

IEEE COMSOC DIRECTORY 2020

ComSoc Community and
Volunteer Leaders & Staff



IEEE

**IEEE
ComSoc[®]**
IEEE Communications Society

Board of Governors



Vincent



Khaled



Sergio



Roberto



Fambirai



Zhi



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Xuemin



Stefano



Nei



Robert



Michele



Ekram



Ana



Nelson



Lawrence



Nirwan



Stefano



Andrea



Ricardo



Sumei



Christos



Nury



Fawzi



Edward



Tarek



Gerhard



Ekram



Urbashi



Wei



Octavia



Philippa



Petar



Chengshan



Koichi



Ana



Ashutosh



Robert

Vincent W.S. Chan – President
 Khaled B. Letaief – Past President
 Sergio Benedetto – IEEE Division III Director
 Roberto de Marca – Parliamentarian
 Fambirai Takawira – Treasurer
 Zhi Ding – Chief Information Officer & Chief Marketing Officer
 Harold Tepper – Executive Director

Vice Presidents

Xuemin (Sherman) Shen – Technical and Educational Activities
 Stefano Bregni – Conferences
 Nei Kato – Member and Global Activities
 Robert Schober – Publications

Directors

Michele Zorzi – Journals
 Ekram Hossain – Magazines
 Ana Garcia Armada – Online Content
 Nelson Fonseca – Conference Development
 Lawrence Wong – Conference Operations
 Nirwan Ansari – Educational Services
 Stefano Galli – Technical Committees
 Andrea M. Tonello – Industry Outreach
 Ricardo Veiga – Member Services
 Sumei Sun – Asia/Pacific Region
 Christos Verikoukis – EMEA Region
 Nury Gabriela Ramirez Cely – Latin American Region
 Fawzi Behmann – North American Region
 Edward G. Tiedemann, Jr – Standards Development & Standardization Programs Development
 Tarek S. El-Bawab – Industry Communities

Members At Large

2018-2020

Gerhard Fettweis
 Ekram Hossain
 Urbashi Mitra
 Wei Zhang

2019-2021

Octavia Dobre
 Philippa Martin
 Petar Popovski
 Chengshan Xiao

2020-2022

Koichi Asatani
 Ana Garcia Armada
 Ashutosh Dutta
 Robert Heath

COMSOC COMMUNITY

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information is provided, it will be updated on the Web pages
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IEEE COMMUNICATIONS SOCIETY

ORGANIZATION

BOARD OF GOVERNORS

ELECTED OFFICERS 2020-2021 (voting)

President: Vincent W.S. Chan *
Past President: Khaled B. Letaief *
Vice President – Technical and Educational Activities: Xuemin (Sherman) Shen *
Vice President – Conferences: Stefano Bregni *
Vice President – Member and Global Activities: Nei Kato *
Vice President – Publications: Robert Schober *

APPOINTED OFFICERS 2020-2021 (non-voting)

Treasurer: Fambirai Takawira*
Parliamentarian: Roberto de Marca *
Chief Information Officer (CIO) & Chief Marketing Officer: Zhi Ding
Director – Journals: Michele Zorzi
Director – Magazines: Ekram Hossain
Director – Online Content: Ana Garcia Armada
Director – Conference Development: Nelson Fonseca
Director – Conference Operations: Lawrence Wong
Director – Educational Services: Nirwan Ansari
Director – Technical Committees: Stefano Galli
Director – Industry Outreach: Andrea M. Tonello
Director – Member Services: Ricardo Veiga
Director – Asia/Pacific Region: Sumei Sun
Director – Europe, Middle-East & Africa Region: Christos Verikoukis
Director – Latin America Region: Nury Gabriela Ramirez Cely
Director – North America Region: Fawzi Behmann
Director – Standards Development & Standardization Programs Development: Edward G. Tiedemann, Jr.
Director – Industry Communities: Tarek S. El-Bawab
Executive Director: Harold Tepper*
Recording Secretary: Carol Cronin

MEMBERS-AT-LARGE (elected-voting)*

2018-2020

Gerhard Fettweis
Ekram Hosseini
Urbashi Mitra
Wei Zhang *

2019-2021

Octavia Dobre
Philippa Martin
Petar Popovski
Chengshan Xiao*

2020-2022

Koichi Asatani
Ashutosh Dutta
Ana Garcia Armada*
Robert Heath

IEEE DIVISION III (elected-voting)

Director: Sergio Benedetto*

* Operating Committee (OpCom) attendees, ComSoc Directors, and CIO attend each meeting as determined by President

TECHNICAL AND EDUCATIONAL ACTIVITIES



Chair/Vice President: Xuemin (Sherman) Shen

TECHNICAL & EDUCATIONAL ACTIVITIES COUNCIL

Chair: Xuemin (Sherman) Shen

Vice Chair: Wanjiun Liao

Staff: Adam Greenberg

TECHNICAL COMMITTEE CHAIRS

Big Data: Jie Li

Cognitive Networks: Yue Gao

Communication Theory: Urbashi Mitra

Communications & Information Security: Francesco Chiti

Communications Quality and Reliability: Tetsuya Yokotani

Communications Software: Adlen Ksentini

Communications Switching & Routing: Jian Tang

Communications Systems Integration & Modeling: Burak Kantarci

Computer Communications: Ying-Dar Lin

Data Storage: Shayan Srinivasa Garani

e-Health: Honggang Wang

Green Communications & Computing: Yan Zhang

Information Infrastructure & Networking: Periklis Chatzimisios

Internet: Michele Nogueira

IoT, Ad Hoc & Sensor Networks: Soumaya Cherkaoui

Molecular, Biological and Multi-Scale Communications: Andrew Eckford

Multimedia Communications: Honggang Wang

Network Operations & Management: Filip De Turck

Optical Networking: Luca Valcarenghi

Power Line Communications: Gerd Bumiller

Radio Communications: Yuan Shen

Satellite & Space Communications: Tomaso de Cola

Signal Processing for Communications & Computing: Xianbin Wang

Smart Grid Communications: Andrea Tonello

Social Networks: Neeli Prasad

Tactile Internet: Meryem Simsek

Transmission, Access, & Optical Systems: Fabrizio Granelli

Wireless Communications: Wei Zhang

BOARDS & STANDING COMMITTEE CHAIRS IN TAC

Standing Committees

Communications History: Martha Steenstrup

Distinguished Lecturers Selection: Wanjiun Liao

Emerging Technologies: Wendi Heinzelman

Tech. Committee/Industry Community Recertification: Xuemin (Sherman) Shen

EDUCATIONAL SERVICES BOARD

Chair/Director: Nirwan Ansari

Voting Members 2020-2021

Michael Devetsikiotis

Nelson Fonseca

Nury Gabriela Ramirez Cely

Periklis Chatzimisios

Carlos Lozano Garzon

Fabrizio Granelli

Ricardo Veiga

Stefano Giordano

Venkatesha Prasad

Staff: Tara McNally

INDUSTRY COMMUNITIES BOARD

Chair/Director: Tarek El-Bawab

Voting Members 2020-2021

Prosper Chemouil

JaeSeung Song

Rath Vannithamby

Yang Yang

Doug Zuckerman

Xuemin (Sherman) Shen (ex-officio, VP-TEA)

STANDARDIZATION PROGRAMS DEVELOPMENT BOARD

Chair/Director: Ed Tiedemann

Voting Members 2020-2021

Periklis Chatzimisios

Carlos Cordeiro

Alex Gelman

SM Hasan

Jim Lansford

Kevin Lu

Charlie Zhang

Xuemin (Sherman) Shen (ex-officio, VP-TEA)

STANDARDS DEVELOPMENT BOARD

Chair/Director: Ed Tiedemann

Voting Members 2020-2021

John Bareham

Rob Fish

Mehmet Ulema

Jaafar Elmighani

Alex Gelman

Jean-Philippe Faure

Oliver Holland

TECHNICAL COMMITTEES BOARD

Chair/Director: Stefano Galli

Voting Members: 2020-2021

Technical Committee Chairs

Big Data: Jie Li

Cognitive Networks: Yue Gao

Communication Theory: Urbashi Mitra

Communications & Information Security: Francesco Chiti

Communications Quality and Reliability: Tetsuya Yokotani

Communications Software: Adlen Ksentini

Communications Switching & Routing: Jian Tang

Communications Systems Integration & Modeling: Burak Kantarci

Computer Communications: Ying-Dar Lin

Data Storage: Shayan Srinivasa Garani

e-Health: Honggang Wang

Green Communications & Computing: Yan Zhang

Information Infrastructure & Networking: Periklis Chatzimisios

Internet: Michele Nogueira

IoT, Ad Hoc & Sensor Networks: Soumaya Cherkaoui

Molecular, Biological and Multi-Scale Communications: Andrew Eckford

Multimedia Communications: Honggang Wang

Network Operations & Management: Filip De Turck

Optical Networking: Luca Valcarenghi

Power Line Communications: Gerd Bumiller

Radio Communications: Yuan Shen

Satellite & Space Communications: Tomaso de Cola

Signal Processing for Communications & Computing: Xianbin Wang

Smart Grid Communications: Andrea Tonello

Social Networks: Neeli Prasad

Tactile Internet: Meryem Simsek

Transmission, Access, & Optical Systems: Fabrizio Granelli

Wireless Communications: Wei Zhang

Chair – Emerging Technologies: Wendi Heinzelman

Chair - Technical Committees Recertification: Sherman Shen

Representative – Educational Services Board: Nirwan Ansari

Non-Voting Member

GITC Chair: Matthew Valenti

TECHNICAL COMMITTEES

Our technical committees define and implement the technical directions of the Society. As a fundamental element of the Society, all members are invited - and encouraged - to participate in one or more of its technical committees. These committees - networks of professionals with common interests in communications - usually meet twice each year at major

conferences. Throughout the year, these committees also play a major role in determining which events (conferences, workshops, etc.) are technically co-sponsored by ComSoc.

Big Data

Chair: Jie Li

Vice Chairs: Jinsong Wu, Periklis Chatzimisios, Shui Yu, Kwang-Cheng Chen, Mahmoud Daneshmand

Secretary: Song Guo

Student Competition: Ruidong Li

The goal of the Technical Committee on Big Data (TCBD), IEEE Communications Society, is to provide a premier platform for its members, and the research, development, services, applications, and standardization communities of big data processing, analysis, analytics, integration, retrieval, and networking, to interact and exchange technical ideas, to identify relevant challenges, and to collaborate and investigate solutions in the development of methodology and solution for the sciences and technologies of big data processing, analysis, analytics, integration, retrieval, and networking.

Cognitive Networks (TCCN)

Chair: Yue Gao

Vice Chair – Asia Pacific: Lingyang Song

Vice Chair – Americas: Daniel Benevides da Costa

Vice Chair – Europe/Africa: Oliver Holland

Secretary: Lin Gao

Standards Liaison: Oliver Holland

Student Competition Program: Lucio Marcenaro, Sai Huang

Publicity Board: Vijay Rao, Yuan Ma

The goal of TCCN is to provide a platform for its members in particular, and the cognitive networking research, development, policy making and standardization community in general, to interact and exchange technical ideas to identify major challenges and also derive solutions in the development of cognitive networking technologies.

Communications & Information Security (CIS)

Chair: Francesco Chiti

Vice Chair for Conferences: Rongxing Lu

Vice Chair for Publications: Bin Xiao

Secretary: Bin Xiao

Standards Liaison: Neeli Prasad

Student Competition Program: Dongming Peng

This committee promotes security of all types of communication networks and forms of information transported therein, end to end. Security interests start

from the network physical layer, ending at the user application layer. It focuses on secure methods and techniques that guard the privacy and information of the user as transported by the network.

Communications Quality & Reliability (CQR)

Chair: Tetsuya Yokotani

Vice Chair – Social Media: Chris Mayer

Vice Chair – Operations: Kohei Shiimoto

Vice Chair – Program Development: Jason Boswell

Secretary: Tara Timblin

Treasurer: Kevin Krantz

Chair – Advisory Board/Standards Liaison : Hideaki Yoshino

Student Competition Program: Kohei Shiimoto

This committee focuses on and advocates worldwide communications quality and reliability on behalf of and within the Communications Society. CQR serves as the catalyst for global awareness and the exchange of information relative to technical and management-related aspects of communications quality and reliability.

Communications Software (CommSoft)

Chair: Adlen Ksentini

Vice Chair: Abdellatif Kobbane

Secretary: Abdelhamid Taha

Standards Liaison: Jaime Lloret

Student Competition Program: Abdellatif Kobbane

The mission of this committee is to advance the state of the art in communications software and its various aspects and applications. It serves as the major forum for discussion among communications software professionals in both the communications and computer industries.

Communications Switching & Routing (CSR)

Chair: Jian Tang

Vice Chair: Lotfi Mhamdi

Secretary: Cheng Li

TC CSR Award & Sponsorship Events Chair: Jun Zheng

HPSR Chair: Abbas Jamalipour

Standards Liaison: Nirmala Shenoy

Student Competition Program: Roberto Rojas-Cessa

NewsLetter Officer: Lo-fi Mhamdi

SIG Officer: Scott Fowler

The objective of this committee is to sponsor publications, conference technical sessions, workshops and topical meetings and discussions in the theory and applications of information switching. Specific areas include (but are not

limited to) theory, architecture, traffic, performance, signaling protocol and networks, call and mobility control, services and features, planning, economic factors and management of switching systems.

Communications Systems Integration and Modeling (CSIM)

Chair: Burak Kantarci

Vice Chair: Nizar Zorba

Secretary: Angelos Antonopoulos

Standards Liaison: John Vardakas: Stefano Giordano

Student Competition Program: Luca Foschini

This committee is concerned with systems disciplines and modeling tools that facilitate the integration of information-transport equipment, subsystems, and networks into communications systems. The committee particularly addresses computer-aided modeling of integrated subsystems to answer architectural and performance questions.

Communication Theory (CTTC)

Chair: Urbashi Mitra

Vice Chair: Maite Brandt-Pearce

Secretary: Meixia Tao

Standards Liaison: Amitava Ghosh

Student Competition Program: Rui Dinis

This committee sponsors conference sessions, workshops, and tutorials. It also promotes and reviews papers in the broad area of communication theory, with emphasis on applications to practical systems. The technical content of these sessions and papers focuses on the analytical and theoretical aspects of many diverse areas that include modulation, coding, synchronization, equalization, signal processing and neural networks, transmission over all media, source and channel coding, spread spectrum and multiple access, data communications, and communication networks.

Computer Communications (TCCC)

Chair: Ying-Dar Lin

Vice Chair: Tilman Wolf

Secretary: Danai Chasaki

Standards Liaison: TBD

Student Competition Program: Bryan Ng

This committee sponsors papers, discussions, and standards on all aspects of computer-communication systems. It provides a forum for members to broaden professional contacts and for technical discussions and interactions. Its areas of interest include performance of computer network and switch architectures, interfaces and protocols, configuration control,

scheduling and buffer management, routing, flow control and admission control algorithms, error control, and network security, reliability, and management.

Data Storage (TCDS)

Chair: Shayan Srinivasa Garani
Vice Chair (Academia): Hironori Uchikawa
Vice Chair (Industry): Xinmiao Zhang
Secretary: Jeongseok Ha
Treasurer: Qi Qi
Standards Liaison: Lara Dolecek
Student Competition Program: Suayb S. Arslan

This committee focuses on and promotes advances in areas such as coding for data storage, signal processing for data storage, information theory, and storage networks. Its interests are expanding to include emerging areas such as storage area networks and network codes, software for data storage management, servo strategies, and circuits for data storage, etc.

e-Health

Chair: Honggang Wang
Vice Chair: Andrea Sciarraone
Secretary: Christos Verikoukis
Standards Liaison: Zaher Dawy
Student Competition Program: Nada Philip

This committee focuses on exploring ICT solution gaps and business models supporting emerging eHealth applications and services, as well as exploring project collaboration opportunities addressing global health challenges with IEEE sister societies and governments around the globe. The focused technical areas include eHealth network and system infrastructures (e.g., health grid, cloud computing, etc), net-centric health and healthcare application developments, ICT-enabled personalized healthcare and management, and ICT-enabled smart medical devices and systems. This committee provides a platform to ComSoc members not only for technical information exchange (e.g., conferences and workshops) but also for project-based collaborations with IEEE and non-IEEE organizations.

Green Communications & Computing

Chair: Yan Zhang
Vice Chair - Americas: Feng Ye
Vice Chair - Asia/Pacific: Peter Chong
Vice Chair - Europe/Africa: Shahid Mumtaz
Vice Chair - Standards Activities: RangaRao Venkatesha Prasad
Secretary: Kun Wang
Standard Liaisons: RangaRao Venkatesha Prasad

Student Competition Program: Kai Yang

The goal of Technical Committee on Green Communications and Computing (TCGCC), IEEE Communications Society, is to provide a platform for its members, and the whole research, development, standardization, and service community of energy- and/or resource- efficient and/or environment-sustainable communications, computing, and relevant systems, to interact and exchange technical ideas, to identify major research and development challenges, and to collaborate and investigate solutions in the development of energy-sustainable, resource-saving, and environment-friendly green communications and computing technologies. The areas this committee addresses are quite inter-disciplinary due to the inherent features of the relevant green topics. This committee not only addresses greening communications, computing, and relevant systems but also investigate using communications, computing, and relevant systems to achieve green objectives for the sustainable world.

Information Infrastructure & Networking (IIN)

Chair: Periklis Chatzimisios

Vice Chair: Nadjib Aitsaadi

Secretary/Student Competition Program: TBA

Working in concert with other ComSoc Technical Committees, the objective of IIN is to facilitate the cohesive advancement of information infrastructures and supportive technologies to enable global networking to guarantee distribution and accessibility of any kind of data in any format, to anywhere, at anytime, on any media, and with any access tool. Social responsibility, including green operations and the narrowing of the “digital divide” are key precepts

Internet (ITC)

Chair: Michele Nogueira

Vice-Chair: Paolo Bellavista

Secretary: Ruidong Li

Standards Liaison: Simone Ferlin

Student Competition Program: Ruidong Li

This committee is a joint committee of the Internet Society and the Communications Society for stimulating interdisciplinary exchanges and applications of state-of-the-art communications and related technologies to Internet infrastructure and services. The committee contributes to the emergence of a ubiquitous, multimedia, and high-performance Internet serving large segments of the world's population.

Internet of Things, Ad Hoc, and Sensor Networks

Chair: Soumaya Cherkaoui

Vice Chair: Jijia Liu

Secretary: Shrief Oteafy
Standards Liaison: Rodolfo W. L. Coutinho
Student Competition Program: Jalel Ben Othman

This Committee will serve as ComSoc's focal point in the area of Internet of Things, wireless ad hoc, and sensor networks technologies, stimulating and organizing leading-edge wireless ad hoc and sensor networks symposia, workshops, sessions and tutorials at ComSoc conferences. It will also serve as a proactive facilitator in the dissemination of evolving wireless ad hoc and sensor networking standards.

Molecular Biological and Multi-Scale Communications

Chair: Andrew Eckford
Vice-Chair: Lin Lin
Secretary: Adam Noel

This committee focuses on nanoscale communication in the range from nanometers to micrometers. Nanoscale communication may be based on biological materials and mechanisms (molecular communication), electromagnetic waves and principles (electromagnetic communication), or quantum states and quantum physics (quantum communication). Nanoscale communication is a paradigm-shifting communication and networking technology that enables nano-to-micro meter scale devices to coordinate and perform a wide range of applications from targeted drug delivery, inbody nanosensor wireless networks and computing in a new paradigm.

Multimedia Communications (MMC)

Chair: Honggang Wang
Steering Committee Chair: Sanjeev Mehrotra
Vice Chair (America): Pradeep K. Atrey
Vice Chair (Asia): Wanqing Li
Vice Chair (Europe): Lingfen Sun
Vice Chair (Letters & Member Communications): Jun Wu
Secretary: Shaoen Wu
Standard Liaison: Guosen Yue
Student Competition Program: Andrea Sciarrone

This committee examines systems, applications, services and techniques in which two or more media are used in the same session. These media include (but are not restricted to) voice, video, image, music, data, and executable code. The scope includes conversational, presentational, and transactional applications and the underlying networking systems to support them.

Network Operations and Management (CNOM)

Chair: Filip De Turck
Vice Chair: Marinos Charalambides

Technical Program Chair: Carol Fung
Secretary: Carlos Raniery
Standards Liaison: Marcus Brunner
Student Competition Program: Abdelkader Lahmadi

This committee focuses on network and service operations and management. It encourages the exchange of information on the technical, operational, and business management aspects of public and private networks for voice, data, image, and video. It organizes and sponsors publications and symposia on these topics. Specific technical interests include automation of network operations, customer network management and control, real-time management of networks, network-operations architecture, service and business management, and end-to-end management across technologies and several jurisdictional boundaries.

Optical Networking (ONTC)

Chair: Luca Valcarengi
Vice Chair: Zuqing Zhu
Secretary: Elaine Wong
Standards Liaison: TBD
Student Competition Program: Paolo Monti

This committee serves as ComSoc's focal point in the area of optical networking technologies and plays an active role in stimulating/organizing leading-edge optical networking symposia, workshops, sessions and tutorials serving OFC/NFOEC and other premier M&C venues. ONTC also serves as a proactive facilitator in the dissemination of evolving optical networking standards by working closely with standards forums such as OIF, IETF, and ITU/T1.

Power Line Communications (PLC)

Chair: Gerd Bumiller
Vice Chair: Bamidele Adebisi
Secretary: José A. Cortés
Standards Liaison: Markus Rindchen
Student Competition Program: Jose A. Cortes

The committee sponsors conference sessions, special issues, workshops, tutorials, and promotes the dissemination of technical information in the broad area of communications over power lines. The primary goal is to serve as a focal point for all activities in the area of power line communications.

Radio Communications (RCC)

Chair: Yuan Shen
Vice Chair: Jemin Lee
Secretary: Julian Cheng

Standards Liaison: George Chrisikos
Student Competition Program: Jemin Lee

The IEEE Communications Society's Radio Communications Committee (RCC) is primarily interested in physical layer wireless communications. Its areas of interest include engineering aspects of communication and localization systems, equipment, and operation with involvement in standardization, spectrum, and regulatory efforts. Technologies considered span point-to-point, point-to-multipoint, multipoint-to-multipoint, mobile radio access, and adaptive diversity systems. The RCC sponsors and promotes technical publications, conferences, symposia, workshops, tutorials, and other related activities on the aforementioned aspects. The committee also assumes the proactive duty to nominate suitable candidates for Communications Society and IEEE awards, propose distinguished lecturer candidates, and endorse deserving candidates for the election to IEEE Senior Member and Fellow grade.

Satellite & Space Communications (SSC)

Chair: Tomaso de Cola
Vice Chair: Song Guo
Secretary: Mianxiong Dong
Standards Liaison: Henry Suthon
Student Competition Program: Daniele Tarchi

This committee facilitates technical interchange in the field of satellite and space communications. It explores the evolution of new satellite and space-based systems and the application of new and emerging technologies, at all layers of the network protocol suite. The Committee maintains a keen interest in the development and maintenance of standards in this area.

Signal Processing for Communications and Computing

Chair: Xianbin Wang
Vice Chair: Jingxian Wu
Secretary: Ana Garcia Armada
Secretary/Newsletter Editor: Xiangwei Zhou
Standards Liaison: George Alexandropoulos
Student Competition Program: Sinem Coleri Ergen

This committee sponsors papers, participates in the organization of conferences, and promotes technical workshops on those aspects of communications that pertain to the innovation, development and application of algorithms and electronic and photonic devices or subsystems for generation, processing, storage, transmission, recovery, and presentation of communications signals. The committee also has, as a goal, the professional development of committee members and other practitioners that work in the above areas.

Smart Grid Communications

Chair: Andrea Tonello

Vice Chairs: Chris Develder, Marco Levorato, Christian Wietfeld

Secretary: Fang Yang

The goal is to provide technical support to the IEEE Smart Grid Initiative and secure ComSoc's position in the development and promotion of Smart Grid related technologies, and particularly, in Smart Grid Communications. The activities include conferences and journal publications, standardization and policies, industry outreach programs, academic curriculum development, realization of an IEEE ComSoc Smart Grid portal.

Social Networks

Chair: Neeli Prasad

Vice Chair: Damla Turgut

Secretary: De-Nian Yang

Student Competition: Damla Turgut

The Social Networks committee promotes interdisciplinary researches among social science, information theory and computer science. The main scope of the subcommittee is to encourage study and research activities that answer the very fundamental questions in human and telecommunication networks including:

Tactile Internet

Chair: Meryem Simsek

Vice Chairs: Falko Dressler

Secretary: Oliver Holland

Student Competition Program: Meryem Simsek

The Tactile Internet will focus on exploring and elucidating all facets of the next generation of "Tactile Internet" technology, business and societal gaps and challenges. The objectives of the TI are to facilitate the worldwide harmonization of research, pre-standardization and best practices for deployment user scenarios of the global TI ecosystem, to design the built-in security and privacy and to explore ways the tactile technology can be realized in different segments such as in engineering, automobile, transport and logistics, health service, and public. The TI will target the understanding of the tactile requirements, the specification and identification of tactile use cases, defining system specifications to meet these requirements, developing breakthrough technology to the identified challenges of the tactile internet, and enabling of Internet protocols over the next generation of empowered devices in order to reach convergence and end to end transparency through IPv6.

Transmission, Access & Optical Systems (TAOS)

Chair: Fabrizio Granelli

Vice Chair: Steve Hranilovic

Secretary: Walter Cerroni

Standards Liaison: Frank Effenberger

Student Competition Program: Fabrizio Granelli

This committee sponsors and organizes papers, conference sessions, workshops and standards development relating to both optical and metallic guided media transmission and access systems for the transport of speech, data, and visual information of any bandwidth. Specific areas of interest include: photonic systems and networks; testing and performance of analog and digitally transmitted signals; systems and equipment for subscriber access over fiber, coaxial cable, and twisted copper pairs; analog and digital subscriber lines over wires and interfaces to wireless media; inductive coordination and electrical protection of wired media; network synchronization; and development of IEEE-oriented standards.

Wireless Communications (TCWC)

Chair: Wei Zhang

Vice Chair: Bechir Hamdaoui

Secretary: Yue Gao

Standards Liaison: Xingjian Zhang

Student Competition Program: Jie Xu

The mission of this committee is to sponsor publications, conferences, technical sessions, workshops, and other information exchanges on architectures, applications, systems, terminals and technologies to provide wireless, mobile, location-independent communication and computing in voice, data and visual media. Its areas of interest include techniques for achieving portability, ubiquity and transparency using mobile and wireless cellular networks ranging from physical layer, MAC layer, network layer to application layer.

CONFERENCES

Chair/Vice President: Stefano Bregni
Staff: TBA



Stefano Bregni
Vice President

CONFERENCES COUNCIL

Chair: Stefano Bregni
Vice Chair: Lawrence Wong

Members

Director - Conference Development: Nelson Fonseca
Director - Conference Operations: Lawrence Wong
Chair - GLOBECOM/ICC Management & Strategy: Rolland Vida
Chair - GLOBECOM/ICC Technical Content: Matthew Valenti

CONFERENCE DEVELOPMENT BOARD

Chair: Nelson Fonseca

Members at Large

Ali Ghayeb (WCNC)
Larry Guoliang Xue (INFOCOM)
Doug Zuckerman
Hikmet Sari
Luis Correia
Zhisheng Niu
Carlos Lozano
Rose Qingyang Hu
TEA-C Rep: Yue Gao

CONFERENCE OPERATIONS BOARD

Chair: Lawrence Wong

Members at Large

Ali Ghayeb (WCNC)
Larry Guoliang Xue (INFOCOM)
Doug Zuckerman
Hikmet Sari
Luis Correia (PIMRC)
Zhisheng Niu
Carlos Lozano
Rose Qingyang Hu
Treasurer: Fambirai Takawira

The Conference Development and Conference Operations Boards hold their meetings concurrently at ICC and GLOBECOM.

STANDING COMMITTEES

(Reporting to VP Conferences)

GLOBECOM/ICC Management & Strategy (GIMS): Rolland Vida

GLOBECOM/ICC Technical Content (GITC): Matthew Valenti

COMSOC PORTFOLIO EVENTS RECENT & UPCOMING CONFERENCES

Embracing cutting-edge technologies at IEEE Communications Society sponsored global events: Every year, thousands of participants come to discover new ideas; explore innovative solutions and network with the leaders who are changing the world of communications.

FLAGSHIP CONFERENCES

Large Conferences covering most of ComSoc's technical scope, supported by most of ComSoc's technical Committees.

IEEE GLOBECOM

Global Communications Conference

GLOBECOM is one of the Communications Society's flagship conferences. Like ICC, it covers all topics in communications and networking. In addition to the technical sessions where the latest research results are presented, the program includes workshops, tutorials, industry panels/forums, and an exhibition. The program has been developed to fulfill the needs of both academia and industry.

IEEE GLOBECOM 2020 – Taipei, TAIWAN

globecom2020.ieee-globecom.org

General Chair: Yuan-Kuang Tu

Technical Program Chairs: Li-Chun Wang, Hsuan-Jung Su, Guoliang Xue

GIMS/GITC Steering Committee Chairs: Sumei Sun, Thomas Hou

IEEE ICC

International Conference on Communications

Featuring the latest developments in telecommunications from a technical perspective. Subjects include Communications Theory, Wireless Communications, Wireless Networking, Optical Networking, Next Generation Networks, etc...

IEEE ICC 2020 – Virtual Conference

icc2020.ieee-icc.org

General Chair: Declan Ganley

Technical Program Chairs: Luiz DaSilva

GIMS Advisor/GITC Advisor: Neeli Prasad, Shiwen Mao

CORE CONFERENCES

Medium/Large Events (attendance range above 200), targeting an internationally based audience covering a subset of ComSoc's technical scope.

IEEE CCNC

Consumer Communications & Networking Conference

CCNC represents a singular opportunity for consumer electronic manufacturers to join with communications and networking manufacturers and service providers. It represents the latest approaches and technical solutions in the area of home networking and consumer networking.

IEEE CCNC 2021 – Las Vegas, NV, USA

ccnc2021.ieee-ccnc.org

General Chair: Joonhyuk Kang

Technical Program Chairs: Kaushik Roy Chowdhury; Marco di Felice

Steering Committee Chair: Alex Gelman

IEEE INFOCOM

International Conference on Computer Communications

Addressing key issues related to recent advances in computer communications and networking. Bringing researchers and practitioners together to present the most up-to-date achievements.

IEEE INFOCOM 2020 – Virtual Conference

infocom2020.ieee-infocom.org

General Chair: Baochun Li, Ben Liang

Technical Program Chairs: Yunhao Liu, Mehmet Can Vuran, Hongyi Wu

Steering Committee Chair: Tom Hou, Guoliang Xue

IEEE WCNC

Wireless Communications & Networking Conference

WCNC, one of the world's foremost international technical conferences for engineers and researchers in wireless technologies. The conference offers the best and most current tutorials, research results, industry-oriented technical content and perspectives on wireless communications, networks, and systems.

IEEE WCNC 2020 – Virtual Conference

www.ieee-wcnc.org

General Chair: Saewoong Bahk

Technical Program Chairs: Song Chong, Sunghyun Choi, Zhisheng Niu

IEEE/IFIP NOMS

IEEE/IFIP Network Operations & Management Symposium

Held in even-numbered years since 1988, NOMS continues to be the primary forum for technical exchange of research, standards, development, systems integrator, service providers, and user communities, presenting the latest approaches and technical solutions in the area of network operations and management.

NOMS 2020 – Budapest, HUNGARY

www.ieee-noms.org

General Chairs: Pal Varga, Doug Zuckerman

Technical Program Chairs: Imen Grida Ben Yahia, Alex Galis, Istvan Godor

IFIP/IEEE IM

IFIP/IEEE International Symposium on Integrated Network Management

IM is one of the world's premier conferences on network management. It meets in odd-numbered years, typically during May.

IM 2020 – No Conference

OTHER CONFERENCES AND WORKSHOPS

Events with normally less than 200 attendees focusing on a more narrow technical scope often driven by one technical committee.

IEEE CAMAD

International Workshop on Computer-Aided Modeling, Analysis and Design of Communication Links and Networks

The IEEE International Workshop on Computer-Aided Modeling, Analysis and Design of Communication Links and Networks (CAMAD) represents a unique forum for discussion of recent developments in: analytical and simulation tools; techniques for the performance evaluation of communications systems; bringing together top-level engineers and researchers from around the globe.

IEEE CAMAD 2020 – Virtual Conference

www.ieee-camad.org

General Chairs: Stefano Giordano, Luca Foschini

Technical Program Chairs: Rosario Giuseppe Garroppo, Melike Erol Kantarci

IEEE CLOUDNET

IEEE International Conference on Cloud Networking

Cloud computing has emerged as a promising direction for cost-efficient and reliable service delivery across data communication networks. The dynamic location of service facilities and the virtualization of hardware and software elements are stressing the communication network and protocols. This especially, when datacenters are interconnected through the Internet. Although the "computing" aspects of Cloud technologies have been largely investigated, lower attention has been devoted to the "networking" and

communications aspects. The IEEE International Conference on Cloud Networking (IEEE CloudNet) precisely addresses these aspects.

IEEE CloudNet 2020 – Virtual Conference

www.ieee-cloudnet.org

General Chair: Jeferson Campos Nobre

Technical Program Chairs: TBD

Steering Committee Chair: Deep Medhi

IEEE CNS

IEEE Communications & Network Security

Dedicated to Communications and Network Security, IEEE CNS will focus on the communications-oriented aspects of security and serves as a premier forum for mobile, wireless, and communications cyber security researchers, practitioners, policy makers, and users. This to exchange ideas, techniques, tools, raise awareness, and share experience related to security and privacy. Topics of interest encompass all practical and theoretical aspects of communications and network security, from the physical layer to the various network layers to the variety of applications reliant on a secure communication substrate.

IEEE CNS 2020 – Virtual Conference

cns2020.ieee-cns.org

General Chair: Abderrahim Benslimane

Technical Program Chairs: Sara Foresti, Yong Guan

Steering Committee Chair: Wenjing Lou

IEEE CQR

International Communications Quality & Reliability Workshop

The annual IEEE CQR International Workshop is held with the purpose of bringing together industry and academic experts to present and discuss communications quality, reliability, and security issues as they relate to real world issues.

IEEE CQR 2020 – Virtual Conference

cqr2020.ieee-cqr.org

General Chairs: Pasi Hurri; Yvon Rouault

Technical Program Chair: Tetsuya Yokotani

IEEE CSCN

IEEE Conference on Standards for Communications & Networking

Standards play a key role in the success of the communications industry, as enablers of global systems inter-operability. IEEE CSCN aims for closing the gap between researchers, scientists and standards experts from academia, industry and different standardization bodies. It will serve as a platform for presenting

and discussing standards-related topics in the areas of communications, networking and related disciplines, facilitating standards development as well as cooperation among the key players.

IEEE CSCN 2020 – No Conference

IEEE CTW

Communications Theory Workshop

The workshop is held every Spring and features invited talks on the latest research in communication theory from the world's leading researchers.

IEEE CTW 2020 – No Conference

IEEE DySPAN

Symposium on New Frontiers in Dynamic Spectrum Access Networks

Bringing technologists together with the spectrum policy community charged with re-architecting the legal regime for managing spectrum in the 21st century to accommodate new technologies.

IEEE DySPAN 2020 – No Conference

IEEE HEALTHCOM

IEEE International Conference on E-Health Networking Applications & Services

Healthcom brings together interested parties from around the world working in the health care field to exchange ideas; to discuss innovative and emerging solutions, and to develop collaborations. Participants include clinicians, hospital administrators, IT professionals, researchers, educators, healthcare solutions vendors, and consultants.

IEEE Healthcom 2020 – Shenzhen, CHINA

www.ieee-healthcom.org

General Chairs: Joel J.P.C. Rodrigues

Technical Program Chair: Xiping Hu, Yi Guo

Steering Committee Chair: Joel J.P.C. Rodrigues

IEEE HPSR

International Conference on High Performance Switching and Routing

HPSR is focused on the technology of high-speed/high-capacity switches and routers. This including, architectural and algorithmic aspects of high-speed IP networks; possibly adopting optical technologies and wireless user access.

IEEE HPSR 2020 – Virtual Conference

www.ieee-hpsr.org

General Co-Chair: Roberto Rojas-Cessa

Technical Program Chairs: Vinod Vokkarane, Xiaojun Cao, Rafael Asorey-Cacheda

IEEE ICBC

IEEE International Conference on Blockchain and Cryptocurrency

The IEEE International Conference on Blockchain and Cryptocurrency is the primary forum for the technical exchange of the latest research and innovation, regulation, policies, standards, and applications in the exciting and emerging area of blockchain and cryptocurrency.

IEEE ICBC 2020 – Virtual Conference

icbc2020.ieee-icbc.org

General Chairs: Kostas Plataniotis

Technical Program Co-Chairs: Andreas Veneris, Salil Kanhere, Grigore Rosu, William Knottenbelt

Steering Committee Chair: James Hong, Raouf Boutaba, Burkhard Stiller

IEEE ICSOS

IEEE International Conference on Space Optical Systems and Applications

The International Conference on Space Optical Systems and Applications (ICSOS) covers technologies, procedures and algorithms that relate to free-space laser communications. The domain of the applications includes terrestrial, near-Earth and deep space (planetary). Areas of interest include components, devices, subsystems, systems (flight and ground), applications, laboratory and field demonstrations, algorithms, link models, signaling techniques and concept of operations.

IEEE ICSOS 2020 – TBD

IEEE ISPLC

International Symposium on Power Line Communications and its Applications

One of the main features of ISPLC is strong industry participation; it brings together researchers, practitioners and users of PLC technology. The conference will further include a series of keynote and expert panel talks, as well as an Industry Exhibit centred on PLC for Smart Grids. Acceptance of submissions will be based on quality, relevance, and originality; with awards for the best submissions.

IEEE ISPLC 2020 – Virtual Conference

isplc2020.ieee-isplc.org

General Chairs: José A. Cortés, Francisco Javier Cañete

Technical Program Chairs: Riccardo Raheli, Francisco Javier López-Martínez

IEEE LANMAN

Workshop on Local & Metropolitan Area Networks

The IEEE LAN/MAN Workshop is a leading forum for discussing the latest technical advances within networking in the local and metropolitan areas.

IEEE LANMAN 2020 – Virtual Conference

lanman2020.ieee-lanman.org

General Chairs: Biplob Sikdar, Tilman Wolf

Technical Program Chairs: Koushik Kar, Stratis Ioannidis

IEEE NETSOFT

IEEE Conference on Network Softwarization

IEEE NetSoft addresses the challenges raised by the overall transformation trend, which is deeply impacting and bridging Telecom and IT industries, currently considered by Software-Defined Networks (SDN), Network Function Virtualization (NFV), and Software-Defined Clouds. This trend is also transforming several other Industries, in using "softwarization" to optimize costs and processes and in bringing new values in infrastructures. In particular, SDN, NFV and network programmability will help creating the conditions to reinvent network and cloud architectures, accelerate service deployment and facilitate infrastructure management.

IEEE NETSOFT 2020 – Virtual Conference

netsoft2020.ieee-netsoft.org

General Co-Chairs: Filip De Turck, Prosper Chemouil

Technical Program Co-Chairs: Tim Wauters, Mohamed Faten Zhani, Walter Cerroni

IEEE NFV-SDN

IEEE Conference on Network Function Virtualization and Software Defined Networks

Network Functions Virtualization (NFV) and Software Defined Networks (SDN) enable rapid networks and services innovation for all participants in the ecosystem. Decoupling network functions from the underlying physical infrastructure using virtualization technologies enables Service innovation. SDN allows programmability of the NFV infrastructure to support the deployment of new network functions in a variety of environments including campus & enterprise networks, data centers, telecommunications networks providers, ISPs, cloud providers and over-the-top (OTT) applications & services providers. NFV enables network capacity and functionality to be decoupled, allowing network functions to be dynamically deployed whenever they are required and wherever they can be hosted.

IEEE NFV-SDN 2020 – Madrid, SPAIN

nfvsdn2020.ieee-nfvsdn.org

General Chairs: Larry Horner, Kurt Tutschku
Technical Program Co-Chairs: Antonio de la Oliva Delgado, Sandra Scott-Hayward, Marco Tacca

IEEE SECON

Sensor, Mesh and Ad Hoc Communications and Networks

IEEE SECON provides a forum to exchange ideas, techniques, and applications. Also to discuss best practices, raise awareness, and share experiences among researchers, practitioners; standards developers and policymakers working in sensor, ad hoc, mesh networks and systems.

IEEE SECON 2020 – Virtual Conference

www.ieee-secon.org

General Chairs: Luca Mottola, Gian Pietro Picco
Program Co-Chairs: Tarek Abdelzaher, Sung-Ju Lee, Cecilia Mascolo

IEEE SmartGridcomm

IEEE International Conference on Smart Grid Communications

The IEEE International Conference on Smart Grid Communications (SmartGridComm) focuses on all communications aspects related to the Smart Grid initiative. An initiative that has the goal of achieving the modernization and optimization of the power grid, so that it is more reliable, efficient, secure, and environmentally neutral. The conference will help bring together researchers from academia, industry, and government to: exchange novel ideas; explore enabling technologies; discuss innovative designs and share trial experiences.

IEEE SmartGridcomm 2020 – Tempe, AZ, USA

www.ieee-smartgridcomm.org

General Chairs: Lalitha Sankar; Klara Nahrstedt
Technical Program Chairs: Rakesh Bobba, György Dán, Anuradha, Annaswamy, Oliver Kosut, Angela Zhang

REGIONAL CONFERENCES

Conferences that always occur in a specific region of the world drawing involvement of IEEE Sections and Chapters, technical committees, and ComSoc sister societies.

IEEE ANTS

Advanced Networks & Telecommunication Systems

ANTS fosters strong relationship in the telecom field across diverse stakeholders from: industry to academics to government; researchers to

practitioners to business professionals; system vendors to equipment manufacturers, to telecom network operators.

IEEE ANTS 2020 - New Delhi, INDIA

ants2020.ieee-comsoc-ants.org

General Chair: Anand Srivastava

Technical Program Chairs: Vivek Bohara, Gourab Ghatak, Zilong Liu

Steering Committee Chair: Sudhir Dixit

IEEE BlackSeaComm

International Black Sea Conference on Communications and Networking

The IEEE BlackSeaCom series of conferences is held in the countries surrounding the Black Sea. The goal of the IEEE BlackSeaCom is to bring together visionaries in academia, research labs, and industry from all over the world to the shores of the Black Sea. This to interact with their colleagues from around the region. Participants address many of the outstanding grand challenges that exist in the areas of communications and networking, while being able to have the opportunity to explore this exciting and dynamic region that has a rich history.

IEEE BlackSeaCom 2020 – Virtual Conference

www.ieee-blackseacom.org

General Co-Chairs: Larysa Globa, Mehmet Ulema, Alexander Gelman

Technical Program Co-Chairs: Burak Kantarci, Konstantinos Samdanis

Steering Committee Chair: Mehmet Ulema

IEEE LATINCOM

IEEE Latin-American Conference on Communications

LATINCOM is an international conference organized by the ComSoc Latin America Region. It is held annually and attracts submissions and participants from all around the world. It covers the scope of all ComSoc Technical Committees and has a broad technical program that includes renowned keynote speakers, and comprehensive tutorials presenting the state of the art in communications. Its prime target is to provide a platform for researchers and practitioners in Latin America for sharing of R&D results; to meet and to network. The Communications Society offers to reach out to its members in Latin America and propose a venue that meets the specific needs of their region.

LatinCom 2020 – Virtual Conference

latincom2020.ieee-latincom.org

General Co-Chairs: Fabrizio Granelli, Carlos Lozano-Garzon

Technical Program Co-Chairs: Octavia Dobre, Oscar Mauricio Caicedo Rendon

CONFERENCES FINANCIALLY CO-SPONSORED

Events which facilitate collaboration with other IEEE societies or another type of organization (Sister Societies, ACM, AFCEA, OSA, etc.) having fields of interests overlapping with ComSoc.

MILCOM

IEEE/AFCEA Military Communications Conference

MILCOM offers a full program of technical sessions, tutorials, keynote speakers, and panel discussions focusing on information relevant to communication and information systems capabilities that address the 21st Century challenges of National Defense and Homeland Security.

MILCOM 2020 – No Conference

OFC

Optical Fiber Communication Conference & Exposition

The OFC audience spans the entire industry, from scientists and engineers to manufacturers and service providers. It provides the industry's most comprehensive view of optical technology — the latest research breakthroughs and innovations.

OFC 2020 – San Diego, CA, USA

www.ofcconference.org

General Chairs: Po Dong, Jun-ichi Kani, Chongjin Xie

Program Chairs: Ramon Casellas, Chris Cole, Ming-Jun Li

ATC

International Conference on Advanced Technologies for Communications

ATC covers a comprehensive range of communication and electronics technologies contributing toward a “Flat World” of communications. It gives a focus on intelligence and security issues for advanced communication systems and services, as well as, emerging technologies and applications.

ATC 2020 – Nha Trang, VIETNAM

atc-conf.org

General Chairs: Paul Fortier, Tran Xuan Tu, Le Xuan Hung

Technical Program Chairs: Hoang Van Phuc, Viktor R. Stempitsky, Nguyen Viet Son

EuCNC

European Conference on Networks and Communications

EuCNC is an annual conference held in countries across Europe. It focuses on communications systems and networks, reaching applications and services. One

of the main goals of this conference is to showcase the results of European R&D projects co-financed by the European Commission. As such, the conference program includes a large expo with demos, and a large part of the participants are from industry. EuCNC also targets to bring together researchers from all over the world to present the latest research results in networks and communications and the new developments in this field.

EuCNC 2020 – Virtual Conference

www.eucnc.eu

Chair: Pearse O’Donohue

Technical Program Co-Chairs: Vlatko Lipovac, Filipe Cardoso

IEEE ICC

IEEE Conference on Communications in China

Aiming at realistic globalization by extending ComSoc reach to fast-growing regions. By collaborating with local sister societies and leading research institutes, the conference will be held every year in greater China region and feature major technical symposia, industry forums, invited sessions, tutorials, panels, and workshops.

IEEE ICC 2020 – Chongqing, CHINA

iccc2020.ieee-iccc.org

General Chairs: Nei Kato, Qianbin Chen, Tony Quek, Yanchuan Zhang

Technical Program Co-Chair: Song Guo, Honggang Wang, Ruyan Wang,

Xiaoheng Tan, Tong Song

Steering Committee Chair: Xuemin (Sherman) Shen

IEEE ICME

International Conference on Multimedia and Expo

IEEE International Conference on Multimedia & Expo serves as a forum for the dissemination of state-of-the-art research, development, and implementations of multimedia systems, technologies, and applications.

IEEE ICME 2020 – TBD

www.2020.ieeeicme.org

General Chairs: Marta Mraki, Ebroul Izquierdo, Vladan Velisavljevic

Technical Program Chairs: Shuai Wan, Ce Zhu, Jian Zhang, Jianquan Liu

Shiwen Mao, Wen-Huang Cheng, Jiwen Lu

IEEE/ACM IWQoS

IEEE/ACM International Symposium on Quality of Service

IWQoS has served as the prime annual workshop on Quality of Service; providing an international forum for the presentation and discussion of cutting edge research in the field. The scope of the workshop covers the main and

currently important aspects of QoS research. This including related issues, such as, availability, reliability, security, pricing, resource management, and performance guarantees.

IEEE IWQoS 2020 – Virtual Conference

iwqos2020.ieee-iwqos.org

General Chair: Kui Ren, Jinsong Han

Technical Program Co-Chairs: Dan Wan, Xue Liu, Tommaso Melodia

IEEE PIMRC

IEEE International Symposium on Personal Indoor & Mobile Radio Communications

PIMRC has attracted major figures in the cellular, PCS, wireless LAN, and mobile data industries. Conference topics are presented in keynotes, tutorials, technical, and panel sessions.

IEEE PIMRC 2020 – Virtual Conference

www.ieee-pimrc.org

General Chairs: Izzat Darwazah; Hamid Aghvami

Technical Chair: Luis M. Correia

Steering Committee: Hamid Aghvami

IEEE VNC

IEEE Vehicular Networking Conference

IEEE Vehicular Networking Conference brings together researchers, professionals, and practitioners. This to present and discuss recent developments and challenges in vehicular networking (e.g., vehicle-to-vehicle and vehicle-to-infrastructure communications) technologies and their applications (e.g., driving safety, traffic congestion reduction, mobile infotainment).

IEEE VNC 2020 – TBD

www.ieee-vnc.org

General Chairs: Hsin-Mu (Michael) Tsai, Onur Altintas

Technical Program Chairs: Kate Lin, Mate Boban

Steering Committee Chair: Onur Altintas

EVENTS OF IEEE INITIATIVES SPONSORED BY COMSOC

IEEE 5G SUMMIT

IEEE Communication Society has developed a strategic framework based on the

principles that embrace Industry's interests and priorities while integrating IEEE and ComSoc's objectives. In order to engage industry members with high value and innovative technologies, IEEE Communication Society plans to hold a series of high impact one day summits in the emerging technology area of 5G. These one day summits will provide a platform for the industry leaders, innovators, and researchers from the industry community to collaborate and exchange ideas in this emerging technology that may help in driving the standards and rapid deployment.

www.5gsummit.org

IEEE SUSTAINABLE ICT

IEEE Sustainability through ICT Summit

Sponsored by the IEEE Sustainable ICT Initiative

The IEEE Sustainability through ICT Summit promotes a holistic approach on prospects for technologies, standards and policies for ICT-enabled sustainable development that also takes into consideration the sustainability of ICT resources.

sustainableict.ieee.org

IEEE IoT SUMMIT

To share the latest developments and future trends in the Internet of Things (IoT) marketplace, the IEEE IoT Community is planning high-impact vertical and topical summits. These summits will provide a platform for leaders, innovators, and researchers from both the industrial and academic communities to collaborate and exchange ideas in this emerging technology, which in turn can help drive standards, rapid deployment, and higher adoption rates.

iot.ieee.org/conferences-events

IEEE WF-IoT

IEEE World Forum of Internet of Things

The WF-IoT seeks to investigate how progress in technologies and applications of Internet of Things can be nurtured and cultivated for the benefit of society.

IEEE WF-IoT 2020 – Virtual Conference

wfiot2020.iot.ieee.org

General Chairs: Adam Drobot, Magdy Bayoumi

Technical Program Chairs: Soumya Kanti Datta, Ahmed Abdelgawad

OTHER EVENTS SUPPORTED BY COMSOC

BROOKLYN 5G SUMMIT

The Brooklyn 5G Summit brings together mobile industry R&D leaders in business, government, and academia to explore the future of 5G wireless. Discussions are centered around many cutting edge themes, including 5G radio system design, novel concepts and accomplishments in providing enhanced broadband, massive machine mission-critical communications and programmable networks.

Organized by Nokia and the NYU WIRELESS research center at NYU Tandon School of Engineering.

BROOKLYN 5G SUMMIT 2020 – Brooklyn, NY, USA

brooklyn5gsummit.com

PUBLICATIONS

Chair/Vice President: Robert Schober



Robert Schober
Vice President

PUBLICATIONS COUNCIL

Chair: Robert Schober
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Non-Voting Member (2020-2021)

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Staff: Joe Milizzo

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Members-at-Large: Robert Schober, Tarik Taleb, Petar Popovski
EIC, *IEEE Communications Letters*: Marco Di Renzo
EIC, *IEEE Communications Surveys & Tutorials*: Ying-Dar Lin
EIC, *IEEE Journal on Selected Areas in Communications (JSAC)*: Raouf Boutaba
EIC, *IEEE Networking Letters*: George N. Rouskas
EIC, *IEEE Open Journal of the Communications Society*: Octavia A. Dobre
EIC, *IEEE Transactions on Cognitive Communications & Networking*: Ying-Chang Liang
EIC, *IEEE Transactions on Communications*: Tolga M. Duman
EIC, *IEEE Transactions on Green Communications and Networking*: Ender Ayanoglu
EIC, *IEEE Transactions on Molecular, Biological, and Multi-Scale Communications*: Chan-Byoung Chae
EIC, *IEEE Transactions on Network & Service Management (TNSM)*: Filip de Turck
EIC, *IEEE Transaction on Network Science and Engineering*: Dapeng Oliver Wu
EIC, *IEEE Transactions on Wireless Communications*: Junshan Zhang
EIC, *IEEE Wireless Communications Letters*: Kai Kit Wong
EIC, *IEEE/ACM Transactions on Networking*: Eytan Modiano
Liaison to IEEE Publications: Xuemin (Sherman) Shen

Members of Steering Committees for Co-Sponsored Journals (*reps. appointed by VPP*)*

Steering Committee, *IEEE/OSA Journal of Lightwave Technology*: Elaine Wong, John Lee

IEEE /OSA Journal of Optical Communications & Networking: Loukas Paraschis, Ann von Lehmen

IEEE Transactions on Cloud Computing (TCC): Lin Cai, Nelson Fonseca

IEEE/ACM Transactions on Networking: Anja Feldman, Anurag Kumar, Jennifer Yates

IEEE Transactions on Mobile Computing: Michael Fang, Sherman Shen

IEEE Transactions on Multimedia: Yonggang Wen, Honggang Wanbg

IEEE Wireless Communications Letters: Yingbo Hua (Chair), Michael Fang, Robert Schober, Rui Zhang, Romano Fantacci, Angela Zhang

MAGAZINES BOARD

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EIC, *IEEE Communications Magazine*: Tarek El-Bawab

EIC, *IEEE Communications Standards Magazine*: Zander Lei

EIC, *IEEE Network Magazine*: Chonggang Wang

EIC, *IEEE Wireless Communications Magazine*: Yi Qian

Editor, *The Global Communications Newsletter*: Stefano Bregni

Liaison to IEEE Press: TBD

ON-LINE CONTENT BOARD

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Technically cosponsored publications can be found at:

www.comsoc.org/publications

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ISC Co-Chairs: De-Nian Yang, Mianxiong Dong

ISC Vice-Chairs: Jemin Lee, Yong Zeng

Meetings and Conference Committee (MCC)

MCC Co-Chairs: Neelesh Mehta, Hiroshi Shigeno

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MDC Co-Chairs: Byonghyo Shim, Hsuan-Jung Su

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TAC Vice-Chairs: Tony Quek, Chan-Byoung Chae

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Qaraqe, Mustapha Benjillali

Industry/Academia Cooperation: Diomidis Michalopoulos

Non-Voting Member (2020-2021)

Past Chair/Director | Adlen Ksentini

LATIN AMERICA REGION BOARD

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Technical Activities Committee: Ignacio Castillo

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Social Networks Committee and Webpage: Hector Poveda

Membership Development Committee: Sandra Hidalgo

Student Activities: Gidy Florez
DLT and DSP Coordinator: Andres Navarro
Advisor: Carlos Lozano

NORTH AMERICA REGION BOARD

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Region 6 Representative: Zhensheng Zhang

Region 7 Representative: Anader Benyamin

DLT/DSP Coordinator: Tim Weil

Standing Committees

Awards Committee (NAB-AC): Fawzi Behmann and Regional Reps.

Technical Activities Committee (NAB-TAC)

Information Services Committee (NAB-ISC)

Membership Development Committee (NAB-MDC)

Industry Relations Committee (NAB-IRC)

Student Activities Committee (NAB-SAC)

Past Director: Wahab Almuhtadi

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VP, Member and Global Activities: Nei Kato

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RELATED SOCIETIES

Armed Forces Communications and Electronics Association (AFCEA)

Association of Computing Machines (ACM)

Association of Engineers and Architects in Israel & Society of

Electrical & Electronics Engineers (AEAI)

EastWest Institute (EWI)

IEEE Societies (CS, SPS, CAS, LEOS, PES, MTT)

SISTER SOCIETIES

BELGIUM – Federation of Telecommunications Engineers of the European Union Forum for European ICT Professionals (FITCE)
BRAZIL – Sociedade Brasileira de Telecomunicações (SBRT)
CHINA – China Institute of Communications (CIC)
CROATIA – Communications & Information Society (CCIS)
CZECH REPUBLIC/SLOVAKIA – Czech & Slovak Radioengineering Society (RS)
FINLAND – Open Innovations Community (FRUCT)
FRANCE – Société de l'Electricité, de l'Electronique et des Technologies de l'information et de la Communication (SEE)
GERMANY – Informationstechnische Gesellschaft – Verband der Elektrotechnik Elektronik Informationstechnik (ITG-VDE)
HUNGARY – The Scientific Association for Infocommunications (HTE)
INDIA – The Institution of Electronics & Telecommunications Engineers (IETE)
INDIA – Communications Multimedia Applications Infrastructure Association of India (CMAI)
ISRAEL – The Association of Engineers and Architects in Israel, Society of Electrical & Electronics Engineers (AEAI)
ITALY – Associazione Italiana per L'Informatica ed il Calcolo Automatico (AICA)
ITALY – AEIT Society for Information and Communications Technology (AICT)
JAPAN – The Institute of Electronics, Information & Communication Engineers (IEICE-CS)
LATVIA – Latvijas Informācijas Un Komunikācijas Tehnoloģijas Asociācija (LIKTA)
MALTA – Chamber of Engineers (CoE)
RUSSIA – The Russian Popov Society Institute of Radio Engineering and Electronics Russian Academy of Sciences (A.S. Popov Society)
SINGAPORE – Singapore Computer Society (SCS)
SLOVENIA – The Electrotechnical Association of Slovenia (EZS)
SOUTH AFRICA – South African Institute of Electrical Engineers (SAIEE)
SOUTH KOREA – The Korean Institute of Communications and Information Sciences (KICS)
TAIWAN – Chinese Institute of Electrical Engineering (CIEE)
VIETNAM – The Radio-Electronics Association of Vietnam (REV)

STANDING COMMITTEES

AWARDS

Chair (*Appointed by President*): Alberto Leon-Garcia

Staff: Carol Cronin

Members (*Appointed by Chair for three-year term*)

2018-2020

Hamid Jafarkhani
Neelesh B. Mehta
Aria Nosratinia
Zhi Tian

2019-2021

Jelena Misić
Jan Olivier
Chunming Qiao
Fambirai Takawira
Sarah Kate Wilson

2019-2021

Raouf Boutaba
Leslie Rusch
Amin Vahdat

2019-2020

Wen Tong

COMMUNICATIONS HISTORY

Chair (*Appointed by President*): Martha Steenstrup

Staff: Carol Cronin

Members 2019-2021 (*Appointed by Chair for three-year term*):

Kit August, Zafar Taqvi

DISTINGUISHED LECTURERS SELECTION

Chair (*TAC Vice Chair*): Wanjiun Liao

Staff: Carol Cronin

Members

Vice President – Technical & Educational Activities: Xuemin (Sherman) Shen

Vice President – Member & Global Activities: Nei Kato

Director – Member Services: Ricardo Veiga

Chair – Emerging Technologies: Wendi Heintzelman

EMERGING TECHNOLOGIES

Chair (*Appointed by President from SPC*): Wendi Heintzelman

Staff: Carol Cronin

Members

EIC, *IEEE Journal on Selected Areas in Communications (JSAC)*: Raouf Boutaba

EIC, *IEEE Communications Magazine*: Tarek El-Bawab

Representative, Strategic Planning Committee: Michele Zorzi

2018-2020

Vincenzo Sciancalepore
Charlie Zhang

2019-2020

Marco di Renzo
Meryem Simsek

2020-2022

Damla Turgut
Halim Yanikomeroglu

EMERGING TECHNICAL SUBCOMMITTEES & CHAIRS

Aerial Communications: Fabrizio Granelli

Backhaul/Networking & Communications Emerging Technologies Initiatives:

Muhammad Zeeshan Shakir

Full Duplex Communications: Gabor Fodor

Machine Learning for Communications: Jakob Hoydis

Network Intelligence: Imen Grida Yahia

Quantum Communications & Information Technology: Lajos Hanzo

FELLOW EVALUATION

Chair (*Appointed by President*): Steve Alexander

Staff: Carol Cronin

Members (*Appointed by Chair for three-year term*)

2018-2020

Steve Alexander

Mohamed-Slim Alouini

2019-2021

Brice Achkir

George Arnold

Koichi Asatani

Massimo Franceschetti

George Karagiannidis

B. Sundar Rajan

Qian Zhang

2020-2022

Robert Doverspike

Pooi-Yuen Kam

Angela Yingjun Zhang

FINANCE

Chair (*Treasurer*): Fambirai Takawira

Voting Members

President: Vincent Chan

Past President: Khaled B. Letaief

Vice Presidents: Stefano Bregni, Robert Schober, Sherman Shen, Nei Kato

CIO: Zhi Ding

MALs (*Class Representatives*): Ana Garcia Armada, Chengshan Xiao, Wei Zhang

Non-BoG MALs: Ray Dent, Stan Moyer

Non-Voting Members

Executive Director: Harold Tepper

Staff: Bruce Worthman

GLOBECOM/ICC MANAGEMENT & STRATEGY (GIMS)

Chair: Rolland Vida

Voting Members

GIMS Chair 2020-2021: Rolland Vida

GITC Chair 2020-2021*: Matthew Valenti

MAL, GIMS Vice-Chair & Patronage Chair, 2020-2022*: Neeli Prasad

MAL & Operations Mgr, 2020-2021: Raed Abdullah

MAL & IF&E Chair, 2018-2020: Sumei Sun
Past OC Member & Finance Chair, 2019-2021: Luis M. Correia
Past OC Member & DM Chair, 2020-2021: Deep Medhi
Past OC Member & Site Selection Chair, 2018-2020: Hafizal Mohamad

Non-Voting Members

VP, Conferences, 2020-21*: Stefano Bregni
ComSoc Staff, Conferences Director: TBD
ComSoc Staff, Senior Conference Planners: Melissa Torres, Jimmy Le
ComSoc Staff, Finance and Business Operations Director: Bruce Worthman
Representatives from Current ICC/GC Conferences OCs

**Second Term*

GLOBECOM/ICC TECHNICAL CONTENT (GITC)

Chair: Matthew Valenti

Voting Members

GITC Chair, 2020-21: Matthew Valenti
GITC Vice-Chair, 2020 & Ex-TPC, 2018-20: Linda Xie
GIMS Chair, 2019-2020: Rolland Vida
Member-at-Large, 2020-2021: Ali Ghrayeb
Member-at-Large, 2019-2020: Christos Verikoukis
Ex TP Chair, 2019-2021: Hossam Hassanein
Ex TP Chair, 2020-22: Wanjiun Liao

Non-Voting Members

VP Conferences, 2020-2021: Stefano Bregni
Director Technical Committees, 2020-2021: Stefano Galli

GOVERNANCE

Chair (*Appointed by President*): Mark Karol

Vice Chair: Stefano Galli (2018 - 2020)

Voting Members

Sergio Benedetto (2018 – 2020)
Roberto de Marca (2020 – 2021)
Philippa Martin (2020 – 2021)
Stan Moyer (2019 – 2021)
Matthew Valenti (2019 – 2021)

Non-Voting Members

Harold Tepper, Vinoo Mathew, Carol Cronin (*Staff*)

INFORMATION TECHNOLOGY

Chair: Zhi Ding

Voting Members

2020-2021	2020-2022
Ana Garcia Armada	Rose Hu
Wei Zhang	Ricardo Veiga

MARKETING

Chair: Zhi Ding

Voting Members (2020-2021)

Stefano Galli	Wendi Heinzelman	Song Guo
Lin Cai	Gerhard Fettweis	Zhisheng Niu
Nelson Fonseca	Andrea Tonello	
Ekrum Hossain	Stan Moyer	

NOMINATIONS & ELECTIONS

Chair (*Past President*): Harvey Freeman

Voting Members (*Appointed by President for three-year term*)

Past President: Khaled B. Letaief

2018-2020	2019-2021	2020-2022
Lola Awoniyi-Olteri	Zhi Ding	Nada Golmie
Hanna Bogucka	Stefano Galli	Petar Popovski
Wanjiun Liao	Merrily Hartmann	Guoliang (Larry) Xue

Non-Voting Members

Division III Director: Sergio Benedetto

Staff: Vinoo Mathew, Carol Cronin

OPERATING

Chair (*President, ex officio*): Vincent Chan

Voting Members

Past President: Khaled B. Letaief

Vice Presidents: Stefano Bregni, Nei Kato, Robert Schober, Xuemin (Sherman) Shen

MALs (class representatives): Ana Garcia Armada, Chengshan Xiao, Wei Zhang

IEEE Division III Delegate/Director: Sergio Benedetto

Non-Voting Members

Chief Information Officer/Chief Marketing Officer: Zhi Ding

Treasurer: Fambirai Takawira

Society Parliamentarian: Roberto de Marca

Executive Director: Harold Tepper

OPERATIONS & FACILITIES

Chair (*President, ex officio*): Vincent Chan

Members (*appointed by President*)

CIO: Zhi Ding

Treasurer: Fambirai Takawira

Vice President - Conferences: Stefano Bregni

Vice President - Technical & Educational Activities: Sherman Shen

Vice President - Publications: Robert Schober

Vice President - Member & Global Activities: Nei Kato

Members-at-Large: Stefano Galli: Sumei Sun: Ricardo Veiga

Past President: Khaled B. Letaief

Division III Director: Sergio Benedetto
Non-Voting Member (2020-2021)
Staff: Harold Tepper

STRATEGIC PLANNING

Chair (*Appointed by President*): Gerhard Fettweis

Voting Members

Members at Large (2019-2020): Michele Zorzi, Loukas Paraschis, Ed Tiedemann
Gangxiang (Steven) Shen

Members at Large (2020-2021): Meryem Simsek (Young Professional), Zhisheng
Niu, Philippa Martin, Petar Popovski, Wendi Heinzelmann

Vice Presidents: Stefano Bregni, Nei Kato, Robert Schober, Xuemin (Sherman)
Shen

Non-Voting Members

President: Vincent Chan

Past President: Khaled Letaief

Division III Director: Sergio Benedetto

Staff: Harold Tepper

TECHNICAL COMMITTEE/INDUSTRY COMMUNITY RECERTIFICATION

Chair (*VP Technical & Educational Activities, ex officio*): Xuemin (Sherman) Shen

Staff: Carol Cronin

TAC Vice Chair: Wanjiun Liao

Voting Members

TAC Vice Chair: Wanjiun Liao

2018-2020

Ekram Hossain

Wei Zhang

2019- 2021

Petar Popovski

Chengshan Xiao

2020-2021

Ana Garcia Armada

Koichi Asatani

TECHNOLOGY EVOLUTION AND INITIATIVES

Chair: Roberto de Marca

Members

MAL (2020): Sumei Sun

MAL (2020-2021): Wanjiun Liao

MAL (2020-2022): Luis Correia

Chair of ETC (*ex officio*):Wendi Heinzelman

Chair of IoT Initiative (*ex officio*): Heinrich Stuetzgen

Chair of SPC (*ex officio*): Gerhard Fettweis

VP-TEA (*ex officio*): Xuemin (Sherman) Shen

Past Chair of the Committee: Paul Hartmann

Staff: Adam Greenberg

WOMEN IN COMMUNICATIONS ENGINEERING - (WICE)

(Aligns under VPMR)

Chair (*Appointed by President*): Maite Brandt Pearce

Voting Members (2020-2021)

Vice-Chair: Angela Sara Cacciapuoti

Publicity Chair/Secretary: Sinem Coleri Ergen

IEEE WIE Committee Society Coordinator: Maite Brandt-Pearce

Student Competition Representative: Mari Carmen Aguayo-Torres

Awards Sub-Committee Member-at-Large: Octavia Dobre

Members-at-Large: Urbashi Mitra, Meixia Tao, Shalinee Kishore, Sarah Kate Wilson, Ana Garcia Armada

Non-Voting Members (2020-2021)

Industry Relation Coordinator: Nada Philip

Student Activity Coordinator: Meryem Simsek

Staff: Carol Cronin

YOUNG PROFESSIONALS

(Aligns under VPMR)

Chair: Shashank Gaur

Members

YP MAL: Saurab Dulal, Shashi Raj Pandey, Haitham Afifi, Imran Shafique Ansari, Cristian Chinas

Non-YP MAL: Ricardo Veiga

Social Media: Roua Touihri, Esmeralda Asurza

Webmaster: John Benedict Boggala

Partnership: Michele Polese

Awards: Yuanming Shi

Bootcamps: Josua Pena

Past Chair: Nury Ramirez (2018-2019), Lola Awoniyi-Oteri (2017-2018)

OMBUDSMAN

Ombudsman: Steve Weinstein

www.comsoc.org/about/board-governors/ombudsman

The Ombudsman shall be the first point of contact for reporting a dispute or complaint related to Society activities and/or volunteers. The Ombudsman will investigate, provide direction to the appropriate IEEE resources if necessary, and/or otherwise help settle these disputes at an appropriate level within the Society.

SOCIETY REPRESENTATIVES & PARTICIPANTS ON IEEE BOARDS, COUNCILS, COMMITTEES

IEEE Technical Activities Board (TAB) & Committees

Technical Activities Board	Vincent W.S. Chan	2020-21
Biometrics Council	Joel J Rodrigues	2020
RFID Council	Greg Durgin	2020
	Paul Hartmann (alt)	2020
Council on Superconductivity	Elie K Track	2020-21
	John W Spargo	2020-21
Nanotechnology Council	Ozgur B. Akan	2020
Sensors Council	Rolland Vida	2020
Conferences Committee	Stefano Bregni	2020
Fellows Committee	Nirwan Ansari	2020
	Erdal Panayirci	2020
	Aylin Yener	2020
Future Directions Committee	Roberto Saracco (Ch)	2020-21
	Doug Zuckerman	2020-21
	Mehmet Ulema	2020-21
Medal of Honor Committee	Mark Karol (Ch)	2020
	Roberto de Marca	2020
Nominations & Appointments	Celia Desmond	2020
	Mark Karol	2020

IEEE Committees & Boards (other than TAB)

Board of Directors	Sergio Benetto	2020
Awards Board	Mark Karol	2020
	Sergio Benedetto	2020
Industry Engagement Committee	Robert Fish	2020
IEEE Council on RFID	Paul Hartmann	2020
IEEE Council on Superconductivity	Elie K Track	2020-21
	John W Spargo	2020-21

IEEE Links

Volunteer Opportunities at TAB: TBD

TAB Nominations & Appointments Process & Forms:

<https://www.ieee.org/about/corporate/nominations/guidelines.html>

IEEE Major Boards & Standing Committees:

<https://www.ieee.org/about/volunteers/rosters.html>

IEEE Nominations & Appointments Opportunities:

<https://www.ieee.org/about/corporate/nominations/guidelines.html>

HEADQUARTERS STAFF

IEEE Communications Society
3 Park Avenue South, 17th Floor
New York, NY 10016
Phone: +1 212 705 8900
Fax: +1 212 705 8999
society@comsoc.org

EXECUTIVE DIRECTOR

Harold Tepper
+1 212 705 8910
h.tepper@comsoc.org

EXECUTIVE & VOLUNTEER SERVICES

Executive & administrative support for Board of Governors, other volunteer leadership & Executive Director

Executive & Volunteer Services

Administrator

Carol Cronin
+1 212 705 8944
c.cronin@comsoc.org

Governance Specialist

Vinoo Mathew
+1 212 705 8942
vinoo.mathew@comsoc.org

FINANCE & BUSINESS OPERATIONS

Business Operations, budget, MOU's, conference contracts

Director / Department Head

Bruce Worthman
+1 212 705 8909
b.worthman@comsoc.org

MEETINGS & CONFERENCES

Support for meetings and conferences, (approvals, site selections, overall logistics), GIMS/GITC support

Director / Department Head

TBD

Sr. Conference Planner

Jimmy Le
+1 212 705 8956
j.le@comsoc.org

Sr. Conference Planner

Melissa Torres
+1 212 705 8979
m.a.torres@comsoc.org

Sr. Conference Planner

Tina Gaerlan
+1 212 705 8951
e.gaerlan@comsoc.org

Senior Conference Planner

Melissa Smith
+1 212 705 8955
melissa.a.smith@comsoc.org

INFORMATION & COMMUNICATIONS TECHNOLOGY

Management, administration, support of information systems & networking; web development & administration

Director / Department Head

David Alvarez
+1 212 705 8930
d.alvarez@comsoc.org

Business Technology Manager

Natasha Simonovski
+1 212 705 8933
n.simonovski@comsoc.org

Web Content Specialist

Tammy Hung
+1 212 705 8971
t.hung@comsoc.org

Senior Programmer Analyst

TBD

Programmer/Analyst

Vincent Rodriguez
+1 212 705 8993
v.rodriguez@comsoc.org

MARKETING

Marketing & promotional support for membership /programs /conferences /publications /advertising

Marketing & Membership Director

Trish Jaraicie
+1 212 705 8945
p.jaraicie@comsoc.org

Sr. Manager, Marketing & Communications

Shinett Boggan
+1 212 705 8970
s.boggan@comsoc.org

Membership Manager

Cindy Tiritilli
+1 212 705 8941
c.tiritilli@comsoc.org

Graphic Designer & Production Specialist

Jackie Berliant
+1 212 705 8985
j.berliant@comsoc.org

TECHNICAL ACTIVITIES & INDUSTRY OUTREACH

New initiatives, new products & services, professional development, policy/standards/industry

Director / Department Head

Adam Greenberg
+1 212 705 8968
a.greenberg@comsoc.org

Certification & Professional Education Manager

Tara McNally
+1 212 705 8921
t.mcnally@comsoc.org

Program Manager

Karen Pannullo
+1 212 705 8957
k.pannullo@comsoc.org

PUBLICATIONS

Publishing, support, and coordination for print and web-based magazines

Associate Publisher / Department Head

Joe Milizzo
+1 212 705 8960
jamilizzo@comsoc.org

Associate Editor

Cathy Kemelmacher

+1 212 705 8962

c.kemelmacher@comsoc.org

Production Specialist

Jennifer Porcello

+1 212 705 8961

j.porcello@comsoc.org

Digital Production Manager

Sue Lange

+1 212 705 8963

s.lange@comsoc.org

CHAPTERS

REGION 1 North America (USA)

BOSTON

Robert Malupin
Email: malupinr@yahoo.com

BINGHAMTON

Tommy Lam
Email: tommyhing-k.lam@lmco.com

BUFFALO

Judith Moskal
Email: jmmoskal@ieee.org

CONNECTICUT

POSITION VACANT

LONG ISLAND

Howard Hausman
Email: h.hausman@ieee.org

MAINE JOINT

Ron Brown
Email:
ron@ronaldobrownconsulting.com

MOHAWK VALLEY

Ngwe Thawdar
Email: ngwethawdar@ieee.org

NEW HAMPSHIRE JOINT

Ali Hammoodi
Email: alialubaidi2004@gmail.com

NEW JERSEY COAST (Joint)

Thomas Liu
Email: tom.liu@nokia.com

NEW JERSEY COAST (ComSoc)

Prasad Atluri
Email: pa2586@att.com

NEW YORK

Zheng Peng
Email: zpeng@ccny.cuny.edu

NORTH JERSEY

Amit Patel
Email: a.j.patel@ieee.org

PRINCETON-CENTRAL JERSEY

Ashutosh Dutta
Email: ashutosh.dutta@ieee.org

ROCHESTER JOINT

Cristiano Tapparello
Email: cristiano.tapparello@gmail.com

SYRACUSE

Mustafa Gursoy
Email: mcgursoy@syr.edu

Senem Velipasalar

Email: svelipas@syr.edu

WORCESTER COUNTY

Position Vacant

REGION 2 North America (USA)

BALTIMORE

Jeffrey Friedhoffer
Email: jafried@ieee.org

CLEVELAND joint

Lili Dong
Email: comsoc@clevelandieee.org

COLUMBUS Joint

Robert Walston
Email: robert.walston@gmail.com

DELAWARE BAY Joint

Ronald Medykiewicz
Email: ronmedyk@ieee.org

NORTHERN VIRGINIA

Kafi Hassan
Email: khassan1@gmu.edu

PHILADELPHIA Joint

John Walsh
Email: jwalsh@ece.drexel.edu

PITTSBURGH Joint

Balaji Palanisamy
Email: bpalan@pitt.edu

WASHINGTON (DC)

Doug Holly
Email: dougholly@ieee.org

WASHINGTON Joint

Paul Cotae
Email: Pcotae@udc.edu

REGION 3 North America (USA)**ALABAMA**

Position Vacant

ATLANTA

Tamseel Syed
Email: syed.tamseel@gmail.com

BROWARD

Carlos Cabrera
Email: ccabrera1@gmail.com

CENTRAL NORTH CAROLINA Joint

Vernon J. Depee
Email: verndepee@hotmail.com

CHARLOTTE

Ken Dunn
Email: kfdunn@gmail.com

COASTAL SOUTH CAROLINA Joint

Bob Bush
Email: bob.bush@ieee.org

FLORIDA WEST COAST (Tampa)

Paul Belussi
Email: pbelussi1@gmail.com

HUNTSVILLE

Brandon Wolfson
Email: brandon.wolfson@tsc.com

JAMAICA

Christopher Udeagha
Email: udeaghac@gmail.com

MELBOURNE

Michael Thursby
Email: mhthursby@gmail.com

MIAMI Joint

Arif I Sarwat
Email: asarwat@fiu.edu

NORTHWEST FLORIDA Joint

Michael Viron
Email: mviron@findaschool.net
/mviron@findaschool.org

ORLANDO Joint

Joe Natharaj Juisai
Email: joe.juisai@ieee.org

PALM BEACH

Hari Kalva
Email: hari@cse.fau.edu

REGION 4 North America (USA)**CEDAR RAPIDS**

Charles Lloyd Holecek
Email: lholecek@inav.net

CENTRAL INDIANA Joint

Position Vacant

CENTRAL IOWA Joint

Zhengdao Wang
 Email: zhengdao@iastate.edu

CHICAGO

Besma Smida
 Email: smida@uic.edu

MILWAUKEE Joint

Jay Wierer
 Email: wierer@msoe.edu

NEBRASKA

Carl Endrulat
 Email: carlendrulat@gmail.com

SOUTHEASTERN MICHIGAN

Position Vacant

SOUTHERN MINNESOTA

Christopher White
 Email: ckwhite@ieee.org

TWIN CITIES

Tao Zhang
 Email: tzhang28@ieee.org

REGION 5 North America (USA)**CENTRAL TEXAS (Austin)**

Fawzi Behmann
 Email: f.behmann@ieee.org

CENTRAL TEXAS (San Antonio)

Brian Kelley
 Email: Dr.Brian.Kelley@gmail.com

DALLAS Joint

Larry Horner
 Email: larryjhorner@ieee.org

DENVER Joint

Tim Weil
 Email: denver_chapter@comsoc.org

FORT WORTH

Qilian Liang
 Email: liang@uta.edu

GALVESTON BAY

S.Z. Taqvi
 Email: z.taqvi@ieee.org

HOUSTON

Lee Roy F Gaspard Jr
 Email: Lee.Gaspard@ieee.org

KANSAS CITY

Zhu Li
 Email: lizhu@umkc.edu

NEW ORLEANS

Richard Miller
 Email: r.w.miller@ieee.org

TULSA

Ali Imran
 Email: ali.imran@ou.edu

REGION 6 North America (USA)**BUENAVENTURA**

David Pehlke
 Email: david.pehlke@alum.mit.edu

COASTAL LOS ANGELES Joint

Matthew Clark
 Email:
 matthewaaronclark@gmail.com

FOOTHILL

Frank Freyne
 Email: frankfgf@yahoo.com

HAWAII Joint

John Imperial
 Email: jimperial@ieee.org

OAKLAND-EAST BAY

Ron Kane
 Email: kane@ieee.org

ORANGE COUNTY Joint

Lan Nguyen

Email: Ingyuen@ieee.org**OREGON Joint**

Pradeep Kumar

Email: pradeep@ieee.org**PHOENIX**

Suren Jayasuriya

Email: sjayasur@ASU.EDU**SACRAMENTO**

Preetham Kumar

Email: kumarp@ecs.csus.edu**SAN DIEGO**

Liangping Ma

Email: maliangp@yahoo.com**SAN FERNANDO VALLEY**

Ronald Olch

Email: ronald.h.olch@ieee.org**SAN FRANCISCO**

Alexandre Matov

Email: alexandrematov@gmail.com**SANTA CLARA VALLEY**

MP Divakar

Email: mpdivakar@ieee.org**SEATTLE JOINT**

Alon Newton

Email: anewton@ieee.org**TUCSON**

Ming Li

Email: lim@email.arizona.edu**UTAH**

Mingyue Ji

Email: mingyue.ji@utah.edu**REGION 7 North America (Canada)****CANADIAN ATLANTIC**

Qiang Ye

Email: qye@upei.ca**HAMILTON**

Jun Chen

Email: junchen@ece.mcmaster.ca**KINGSTON**

Francois Chan

Email: chan-f@rmc.ca**KITCHENER-WATERLOO**

Raouf Boutaba

Email: rboutaba@bbcr.uwaterloo.ca**LONDON**

Xianbin Wang

Email: ahusse7@uwo.ca**MONTREAL**

Anader Benyamin-Seeyar

Email: anader.benyamin@ieee.org**NEW BRUNSWICK**

Wei Song

Email: wsong@unb.ca**NEWFOUNDLAND-LABRADOR**

Lihong Zhang

Email: lzhang@mun.ca**NORTH SASKATCHEWAN**

Cinnati Loi

Email: c.loi@ieee.org**NORTHERN CANADA**

Graeme Vanderstar

Email: graemeav@gmail.com**OTTAWA**

Wahab Almuhtadi

Email: almuhtadi@ieee.org

QUEBEC

Andre Morin
Email: andre.morin.jr@sympatico.ca

SOUTHERN ALBERTA

Mohamed Helaoui
Email: mhelaoui@ucalgary.ca

ST. MAURICE

Adel Omar Dahmane
Email: dahmane@uqtr.ca /
dahmane@ieee.org

TORONTO

Eman Hammad
Email:
eman.hammad@mail.utoronto.ca

VANCOUVER

Vincent Wong
Email: vincentw@ece.ubc.ca

VICTORIA JOINT

Lin Cai
Email: cai@ece.uvic.ca

WINDSOR JOINT

Kemal Tepe
Email: tepek@ieee.org

WINNIPEG

Jun Cai
Email: jun.cai@umanitoba.ca

REGION 8 Europe, Middle-East, Africa**AZERBAIJAN JOINT**

Abzetedin Adamov
Email: aadamov@qu.edu.az

AUSTRIA JOINT

Wolfgang Bösch
Email: wbosch@tugraz.at

BAHRAIN

Mohab A. Mangoud
Email: mmangoud@ieee.org

BENELUX JOINT

Heidi Steendam
Email: heidi.steendam@ugent.be

BOSNIA & HERZEGOVINA

Narcis Behilovic
Email: narcis.behilovic@etf.unsa.ba

BULGARIA

Rossitza Goleva
Email: rig@tu-sofia.bg

CZECHOSLOVAKIA JOINT

Norbert Herencsar
Email: herencsn@ieee.org

CENTRAL UKRAINE

Ivanko Kateryna
Email: koondoo@gmail.com

CROATIA

Lea Skorin-Kapov
Email: lea.skorin-kapov@fer.hr

CYPRUS

Vasos Vassilou
Email: vasosv@cs.ucy.ac.cy

DENMARK JOINT

Ramjee Prasad
Email: prasad@es.aau.dk

EGYPT

Ahmed Shalash
Email: shalash@ieee.org

ESTONIA JOINT

Alar Kuusik
Email: alar.kuusik@ttu.ee

FINLAND

Hari Saarnisaari
Email: harri.saarnisaari@oulu.fi

FRANCE

Pascal Lorenz
Email: pascal.lorenz@uha.fr

GERMANY

Gerhard Bauch
Email: bauch@tuhh.de

GHANA

Kester Quist-Ahetsi
Email: kquist@ieee.org

GREECE

Periklis Chatzimisios
Email: pchatzimisios@ihu.gr

HUNGARY

Lajos Nagy
Email: lajos.nagy@mht.bme.hu

ISRAEL

Itai Dabran
Email: idabran@cs.technion.ac.il

ITALY JOINT

Fabrizio Granelli
Email: fabrizio.granelli@unitn.it

IRAQ

Sattar Bader Sadkhan
Email: drengsattar@ieee.org

JORDAN JOINT

Sami Al Dalahmah
Email: s.aldalahmeh@ieee.org

KENYA

Humphrey Muhindi
Email: hmuhindi@comsoc.org

KUWAIT JOINT

Feras Abou Galala
Email: feras@ieee.org

LATVIA

Arturs Aboltins
Email: aboltins@rtu.lv

LEBANON

Youssef Nasser
Email: youssef.nasser@ieee.org

LITHUANIA JOINT

Arturas Serackis
Email: arturas.serackis@vgtu.lt

MAURITIUS

Position Vacant

MOROCCO JOINT

Mohammed El Mohajir
Email: m.elmohajir@ieee.ma

NIGERIA

Azuka Ofogu
Email: ofoguzuka@gmail.com

NORTH MACEDONIA

Marko Porjazoski
Email: markop@feit.ukim.edu.mk

OMAN

Amir Mohamed Abdulghani
Email: amirm@squ.edu.om

POLAND

Slawomir Kula
Email: skula@tele.pw.edu.pl

PORTUGAL

Rui Aguiar
Email: ruilaa@ua.pt

QATAR JOINT

Tamer Khattab
Email: tkhattab@ieee.org

ROMANIA

Vasile Bota
Email: Vasile.Bota@com.utcluj.ro

ROMANIA JOINT

Victor Croitoru
Email: croitoru@adcomm.pub.ro

RUSSIA NORTHWEST (ST. PETERSBURG) JOINT

Dmitry Tkachenko
Email: dtkach@mail.wplus.net

RUSSIA SIBERIA (TOMSK) JOINT

Oleg V. Stukach

Email: ieee@main.tusur.ru

SAUDI ARABIA

Abdullah Almuttiri

Email: a.s.a@ieee.org

SERBIA & MONTENEGRO

Aleksandar Neskovic

Email: neshko@etf.bg.ac.rs

SLOVENIA

Anton Kas

Email: anton.kos@fe.uni-lj.si

SOUTH AFRICA JOINT

Reza Malekian

Email: reza.malekian@ieee.org

SPAIN JOINT

Víctor P. Gil Jiménez

Email: vgil@ieee.org

SWEDEN

Tommy Svensson

Email: tommy.svensson@chalmers.se

SWITZERLAND JOINT

Thomas Mittelholzer

Email: t.mittelholzer@bluewin.ch

TUNISIA

Tarek Bejaoui

Email: tarek.bejaoui@yahoo.fr /

TURKEY

Mutlu Koca

Email: mutlu.koca@boun.edu.tr

UK & REP. IRELAND (UK)

Hoa Le-Minh

Email: hoa.le-

minh@northumbria.ac.uk

UK & REP. IRELAND (IRELAND)

Kang Li

Email: k.li@qub.ac.uk

UKRAINE

Yevhen Artamonov

Email: eart@ukr.net

UNITED ARAB EMIRATES

Sami Muhaidat

Email: muhaidat@ieee.org

REGION 9 Latin America**ARGENTINA**

José Ignacio Alvarez-Hamelin

Email: ihameli@cnet.fi.uba.ar

BOLIVIA

Position Vacant

CENTRO-NORTE BRASIL JOINT

Position Vacant

CENTRO-NORTE BRASIL

Ugo Dias

Email: ugodias@gmail.com /

ugodias@ieee.org

CHILE

Diego Dujovne

Email: diego.dujovne@mail.udp.c

COLOMBIA

Andrés Navarro

Email: anavarro@icesi.edu.co

COSTA RICA JOINT

Fabian Blandon

Email: fblandon@gmail.com

ECUADOR

Jaime Roberto Michilena Calderón

Email: jaime.michilena@ieee.org

EL SALVADOR

Carlos Bran

Email: cbran@udb.edu.sv

GUADALAJARA

Roberto Carrasco Álvarez
Email: r.carrasco@academicos.udg.mx

GUATEMALA

Christian Orellana
Email:
christian.orellana82@gmail.com

HONDURAS JOINT

Alba Garay Romero
Email: aggaray@gmail.com

MONTERREY

César Vargas Rosales
Email: cvargas@itesm.mx

MEXICO

Raul Gomez Escamilla
Email: raul@raul.com.mx

MORELOS

Jesús Vázquez Bustos
Email: jvazquez@iie.org.mx

NICARAGUA

Marvin Arias
Email: marvin.arias.phd@ieee.org

NORTHEAST BRAZIL JOINT

Joaquim Martins
Email: joaquim.ufpe@gmail.com

PANAMA

Hector Poveda
Email: hector.poveda@utp.ac.pa

PERU

Fredy Campos Aguado
Email: frecamagu@yahoo.com

PUEBLA

Ignacio Zaldivar Huerta
Email: zaldivar@inaoep.mx

PUERTO RICO & CARIBBEAN

Manuel J. Mendoza,
Email: mmendoza@ieee.org

RIO DE JANEIRO

Waldo Russo
Email: warusso@ieee.org,
warusso@terra.com.br

SOUTH BRAZIL JOINT

Fernando De Sousa
Email: rangel.fernando@gmail.com

TRINIDAD & TOBAGO

Position Vacant

URUGUAY

Gustavo Giannattasio
Email: ggiannattasio@gmail.com

REGION 10 Asia Pacific**AUSTRALIAN CAPITAL TERRITORY JOINT**

Nan Yang
Email: nan.yang@anu.edu.au

BANGALORE

Alok Nath De
Email: alokde@ieee.org

BANGLADESH

Satya Prasad Majumder
Email: spmajumder@eee.buet.ac.bd

BEIJING

Xiaofeng Tao
Email: taoxf@bupt.edu.cn

BEIJING (SHENZHEN)

Simon Pun
Email: simonpun@cuhk.edu.cn

BOMBAY

Sanjay Pawar
Email: drsanjayspawar@gmail.com

CHENGDU

Zheng Ma
Email: zma@swjtu.edu.cn

DELHI

Prashant Chugh
Email:
prashantchugh1234@gmail.com

INDIA COUNCIL JOINT

Quraish Bakir
Email: qbakir@ieee.org

INDONESIA

Rina Pudji Astuti
Email: rina_pudjiastuti@yahoo.com

GUJARAT

Nagendra Gajjar
Email:
nagendra.gajjar@nirmauni.ac.in

HARBIN

Weixiao Meng
Email: wxmeng@hit.edu.cn

HONG KONG JOINT

Edward (IC) Cheung
Email: edward.cheung@polyu.edu.hk

HYDERABAD JOINT

Lalitha Vadlamani
Email: lalitha.v@iiit.ac.in

KANSAI

Kazuo Kumamoto
Email: kumamoto@elc.oit.ac.jp

KARACHI

Faisal Karim Shaikh
Email:
faisal.shaikh@faculty.muett.edu.pk

KERALA

Dr Gopakumar A
Email: gopakumar@mesce.ac.in

KOLKATA

Iti Saha Misra
Email: itisahamisra@yahoo.co.in

LAHORE

Kashif Bashir
Email: kashif@kics.edu.pk

MACAU JOINT

Shaodan Ma
Email: shaodanma@gmail.com

MADRAS

P Subramanian
Email: surya602@yahoo.co.in

MALAYSIA JOINT

Mardeni Bin Roslee
Email: mardeni.roslee@mmu.edu.m

NANJING

Lianfeng Shen
Email: lfshen@seu.edu.cn

NEW SOUTH WALES JOINT

Stephen Joyce
Email: sgj@bdsn.com.au

NEW ZEALAND NORTH, SOUTH & CENTRAL

Nurul Sarkar
Email: nurul.sarkar@aut.ac.nz

NORTHERN AUSTRALIA Joint

Mohan Jacob
Email: mohan.jacob@jcu.edu.au

PUNE

Bharat S Chaudhari
Email: vsd.deshpande@gmail.com

QUEENSLAND JOINT

Nasir Hussain
Email: n.hussain@qut.edu.au

REPUBLIC OF PHILIPPINES JOINT

Joel Marciano
Email: j.marciano@ieee.org

SENDAI

Nei Kato

Email: kato@it.is.tohoku.ac.jp

SEOUL

Sunghyun Choi

Email: schoi@snu.ac.kr

SHANGHAI

Xinwan Li

Email: lixinwan@sjtu.edu.cn

SINGAPORE

Sumei Sun

Email: sunsm@i2r.a-star.edu.sg

SOUTH AUSTRALIA JOINT

Brian Ng

Email: brian.ng@adelaide.edu.au

SRI LANKA

Tharaka Samarasinghe

Email: tharaka@ent.mrt.ac.lk

TAINAN

Wern-Ho Sheen

Email: whsheencu@gmail.com

TAIPEI

Rung-Hung Gau

Email: runghunggau@g2.nctu.edu.tw

THAILAND

Keattisak Sripimanwat

Email:

keattisak.sripimanwat@gmail.com

TOKYO JOINT

Tomohiko Taniguchi

Email: t.taniguchi@ieee.org

UTTAR PRADESH

Karun Rawat

Email: karunfec@iitr.ac.in /

Karun.rawat.in@ieee.org

VIETNAM

Dao Ngoc Chien

Email: dnchien@most.gov.vn /

chien@ieee.org

VICTORIAN

Kandeepan Sithampanathan

Email:

kandeepan.sithampanathan@rmit.edu.au

WESTERN AUSTRALIA

Lu Xu

Email: lu.xu@uwa.edu.au

XI'AN

Jiandong Li

Email: jdli@mail.xidian.edu.cn

DISTINGUISHED LECTURER / SPEAKER PROGRAM

approved 9/6/95, updates 2001, 03, 08, 09, 10, 11, 12, 13, 15

Provided as a service to our local Travel Grants, Distinguished Lecture Tours and individual Distinguished Speakers can be arranged in response to a request from one or more Chapter Chairs. They may also be initiated by Regional Directors, the Director – Member Services, or the VP – MGA. Although tours and individual lectures are organized to benefit existing members and Chapters, they can also be effective in generating membership and encouraging new chapter formation.

Lecture tours will be supported as the budget allows in each of our four Regions: Asia/Pacific, Europe/Middle-East/Africa, Latin America, and North America. The Director in each region plays a key role as facilitator. No more than two tours will be allowed per year to each Distinguished Lecturer. Funding shall be in accordance with the following guidelines.

DISTINGUISHED LECTURER TOUR PROGRAM

Procedures

- Funding (up to approximately US\$3,000) for DISTINGUISHED LECTURE TOURS (DLT) shall be provided to enable a lecturer to address multiple groups during a lecture tour. Normally, no more than US\$1,000 shall be approved for chapters when they organize a DLT and choose a lecturer from the same ComSoc region. However, ComSoc will approve an additional allocation (minimal) on a case-by-case basis.

For those chapters that organize DLTs and select lecturers from “other” ComSoc regions (requiring international travel), ComSoc shall approve up to approximately US\$3,000 per tour. No more than two or three tours of this type shall be approved per Region (For example, NA region may invite 2-3 DLs from other regions. LA region may invite 2-3 DLs from other regions, etc). ComSoc shall be flexible for this type of (international) DLT to enhance our globalization efforts. DLTs organized using “In-Region” lecturers should continue to be supported as budget allows.

- DLT Tours involve a series of lectures – addressing at least three groups in three separate locations within reasonable geographical proximity to each other.
- “Grassroots” organizers may be Chapters, Sections, local conference organizers, or even a group of members in an area where no ComSoc chapter exists. Organizers work directly with their Regional Director, who facilitates arrangements and recommends the tour to the Director – Member Services. Tour recommendations should take place at least two months before the tour begins and must include the following:

Chapters involved in the tour
Chapter Chairs and e-mail addresses
If a university is involved, name of school, contact, and e-mail
Name and e-mail address of Lecturer
Dates of each lecture
Location of each lecture
Estimated cost of lecturer's air fare

For chapters desiring to host an individual lecture, the chairs can work directly with their Regional Director and DLT Coordinator. Regional Directors and DLT coordinators should be proactive in engaging the more passive or inactive chapters in DLT activities to help the chapters attract more members.

- The decision to approve a DLT request is the responsibility of the Director - Member Services, with his/her final approval being announced two months prior to the tour.

All arrangements must be made in advance with local sponsoring groups. The two-month "lead time" is recommended to allow time to obtain visas, if necessary, time to advertise, etc.

- Please note that as part of the overall program, all lecturers must be willing to write a brief report to post for the DL Site. They may also be asked to record their lecture after the tour for the Online Distinguished Lecturers Program. (Someone from the IT Staff would contact the Lecturer about recording the lecture as a Webinar)
- Funding for a tour is provided to cover a lecturer's travel expenses. Living expenses, such as lodging, meals, transportation to and from the airport, are generally the responsibility of the local Chapter. Travel, lodging, and meals must be booked at an economic rate acceptable for reasonable business travel. (Funding may include night before/after each lecture, as required by the schedule, to accommodate needs of local organizers)
- After recording the lecture for the Online Distinguished Lecturers Program, expenses are submitted to ComSoc Headquarters in NYC (Carol Cronin) on an IEEE Expense form and approved by the Director - Membership Programs Development. Receipts must be provided (in accordance with IEEE and Communications Society rules). The lecturer must not profit financially from the lecture tour. The expense form is found at the Distinguished Lecturer web site:
www.comsoc.org/about/memberprograms/distinguished-lecturers.

*DLT Funding allocation under review

DISTINGUISHED SPEAKER PROGRAM

Procedures

This program involves a Distinguished Speaker already visiting the region and a single day event (lecture/seminar, etc.) organized by a chapter for the members of the chapter.

- A Distinguished Speaker (DS) can be a current or former Distinguished Lecturer, IEEE Fellow, or a well-known person from industry and/or academia who is not a current or former DL. All Distinguished Speakers (DS) must be approved by the Director – Member Services, before the event.
- A Distinguished Speaker Program (DSP) event is supported by up to a maximum amount of US\$500.00, which includes the following local expenses only: Lodging, meals, transportation, publicity, A/V, copying, (etc.,). All local expense from a DSP shall occur in the same city of the event. Exception (such as a train ticket from another city to the event city) shall be approved by the Director – Member Services.
- Before the event, the local Chapter identifies a DS (or the DS contacts a local chapter). Then, the local chapter contacts the Regional DLT/DSP Coordinator. Together with the local chapter, works out the details of the talk and expenses. The Regional Director should be in the loop as well. The DLT/DSP coordinator contacts Director – Member Services, for final approval.
- After the event, the DS shall submit a written event report to ComSoc, which shall be posted on the ComSoc web site. The DS will then send his/her expense report to ComSoc for reimbursement; all local expense reimbursements shall be submitted by the DS' local chapter. Finally, after the event, the local chapter shall evaluate the speaker and provide feedback to the DLT/DSP coordinator and the Director - Member Services.

DISTINGUISHED LECTURERS

Appointments are 2 years (with an option of 2 additional years)

*Term effective through 31 December 2020

**Term effective through 31 December 2021

Nirwan Ansari *

nirwan.ansari@njit.edu

USA (NJ)

- Green communications and networking
- Edge/Fog computing
- Drone-assisted networking
- Various aspects of broadband networks

Huseyin Arslan **

arslan@usf.edu

- Flexible and cognitive radio access technologies for 5G and beyond
- Beyond 5G Radio Access Technologies
- 5G and Beyond Waveform Design
- Non-orthogonal waveforms, hybrid waveforms, flexible waveforms
- Cognitive Radio and Adaptive Wireless Systems
- Interference awareness, modeling, avoidance, and cancellation for 5G and beyond
- HY and cross-layer security for secure wireless communication
- NOMA (non-orthogonal multiple access)
- Centralized RAN, Distributed Multi-antenna Systems, and CoMP for 5G and Beyond
- Flexible OFDM for 5G and Beyond

- Spatial Modulation, Index Modulation and other modulation options for OFDM and beyond
- Channel, Interference, and Signal modeling and estimation using sparsity and machine learning
- Channel and Interference control Mechanisms (including LIS)

Mohammed Atiquzzaman **

USA (OK)

atiq@ou.edu

- IP-Based Mobility Management of Space Internet of Things
- Connected and Autonomous Vehicular Communications

Fawzi Behmann **

f.behmann@ieee.org

USA (TX)

- Early deployment use cases for 5G”
- “Collaborative IoT from Sensing to Analytics”
- “IoT, 5G, Time Slicing, and AI/ML/DL enable personalization of services”
- “How Will 5G Impact Smart Ecosystems?”
- “Cognitive Approach To Building a Safe and Smart Communities/Cities”
- “Collaborative IoT, 5G, and AI Empowered Solutions for Healthcare”

- "Developing IoT Solutions for Smart Homes/Buildings, Smart Car and Smart Energy"
- "Developing IoT Solutions for Mobility and Public Safety"
- "Cognitive analytics - road to personalized services"
- "Autonomous Vehicles/Drone and security"
- "IOT and machine-to-machine learning"
- "Is there a common vision for IoT, 5G and Virtualization by 2020?"
- "Sample use cases of wearables, IoT, drone, virtualization/time slicing, blockchain"

Kaigui Bian **

bkg@pku.edu.cn
China

- AI-enabled edge computing
- Mobile networks
- Internet of Things (IoT)
- Dynamic spectrum access networks

Xiaojun (Matt) Cao **

cao@gsu.edu
USA (GA)

- Network Virtualization, SDN, NFV
- Elastic/flex-grid Optical Networks
- Network Survivability
- Intelligent Sensing and Applications in Secure Cyber Systems

Chan-Byoung Chae **

South Korea
cbchae@yonsei.ac.kr

- Macro/nano-scale molecular communications

- mmWave/sub-THz: metasurface, RF architecture, and transmission strategies
- Full/flexible duplex radios
- VR/haptic wireless communications
- Deep learning for wireless communications

H.H. Chen (Hsiao-Hwa) **

hshwchen@gmail.com
Taiwan

- Complementary Coded Code Hopping Multiple Access - A NOMA Scheme;
- Resource Allocation for PHY-Layer Security in Cellular Underlay V2V Communications.

Wen Chen *

wenchen@sjtu.edu.cn
China

- Random massive access
- Coded cooperation
- Green heterogeneous networks
- Vehicular communications

Soumaya Cherkaoui **

soumaya.cherkaoui@usherbrooke.ca
Canada

- AI-enabled edge computing
- Edge/Fog computing
- Network virtualization, SDN, NFV
- Vehicular communications
- Technologies for 5G and beyond wireless networks
- Internet of Things (IoT)

M. Di Renzo (Marco) *

marco.direnzo@l2s.centralesupelec.fr
France

- Spatial modulation for MIMO wireless systems
- System-level analysis and optimization: The magic of stochastic geometry
- Ultra-dense heterogeneous cellular networks
- Wireless powered communications and energy harvesting: Towards energy-neutral networks

Sudhir Dixit **

sudhir.dixit@ieee.org

USA

- Technologies for 5G
- SDN, OpenFlow and Virtualization
- Cloud and Crowd Computing (Human Augmented Cloud Computing)
- Network Protocols and Next Generation Networks
- Multi-sensory Human Bond Communication
- Internet of Things and Machine-to-Machine Communication

Octavia Dobre *

odobre@mun.ca

Canada

- Technologies for 5G and beyond wireless networks
- Non-orthogonal multiple access for massive machine-type communications
- Automatic signal identification: Classical approaches and new trends
- Signal processing for coherent optical communications

A.Dutta (Ashutosh) *

ashutosh.dutta@ieee.org

USA (NJ)

- Security for SDN/NFV and Virtualized Networks
- 5G Security
- Cloud Security
- Mobility Protocols and Handover Optimization
- Next Generation Mobility Networks

Mohsen Guizani *

mguizani@gmail.com

USA

Ekram Hossain *

Ekram.Hossain@umanitoba.ca

Canada

- Mobile Edge Computing (MEC): Computation Offloading and Activation of MEC Servers
- Machine Learning for Wireless Networks: Basics, Applications, and Trends
- Stochastic Geometry Modeling and Analysis of Wireless Networks
- Massive Wireless Connectivity and Non-Orthogonal Multiple Access (NOMA)
- Game Theory for Wireless Networks
- Dynamic Spectrum Access in Cognitive Radio Networks
- Energy Harvesting in Wireless Networks and Self-Sustainability

Djiang Huang *

djiang.huang@asu.edu

USA (AZ)

- Software Defined Networking and Security
- Moving Target Defense

- Intelligent Internet Edge (Networking, Computing, and Security)
- Distributed Access Control and Privacy Protection in Blockchain
- Attribute-Based Access Control

Tara Javidi *

tjavidi@ucsd.edu
USA (CA)

- Active Learning and CSI acquisition for mmWave Initial Alignment and Cognitive Radio
- Learning and Optimization for Next Generation Communication Networks
- Information Acquisition, Controlled Sensing, and Active Learning
- Social and Federated Learning

Adlen Ksentini **

adlen.ksentini@eurecom.fr
France

- 5G and Mobile Network
- Network Softwerization, Network Virtualization, SDN, NFV
- Mobile Edge Computing (MEC)
- Network Slicing

Phone Lin *

plin@csie.ntu.edu.tw
Taiwan

- Machine to Machine (M2M)/Internet of Things (IoT)
- Energy Efficient Networking for 5G Networks
- Anomaly Detection/Prediction for Internet of Things

- Performance Modeling of Mobile Networks

Liangping Ma *

liangping.ma@ieee.org
USA (CA)

- 5G NR
- Video communication

Tommaso Melodia *

melodia@ece.neu.edu
USA (MA)

- Intra-Body Sensor Networks of Miniaturized Implantable Devices
- Toward a Wireless Underwater Internet of Things: Algorithms, Architectures, Devices
- The Platforms for Advanced Wireless Research (PAWR) Program: Wireless Experimentation for 5G and Beyond
- New Approaches for 5G Software-Defined Wireless Networking
- A Unified Optimization Framework for 5G Network Slicing
- Secure-by-Design Polymorphic IoT Platforms with Artificial Intelligence

Sudip Misra **

smisra@sit.iitkgp.ernet.in

- Role of IoT in Healthcare 4.0: Opportunities and Challenges
- IoT in e-Health: From Wearables to Diagnostic systems
- Synergizing IoT with 5G and Beyond: Applications, Challenges, and Scope

- How UAVs and UAV Networks are shaping the future of communication.
- UAV Networks: Architectures, Opportunities, Challenges, and Future
- Future Communication and Networking Paradigms over the THz Frequency Spectrum
- Enabling IoT over Massively Constrained Networks

Arumugam Nallanathan **

arumugam.nallanathan@kcl.ac.uk
UK

- Artificial Intelligence (AI) for Massive Internet of Things (mIoT)
- Intelligent Reflecting Surface (IRS) Enhanced Wireless Networks
- Communication Technologies for Industrial IoT
- Artificial Intelligence (AI) for Unmanned Aerial Vehicles (UAV)
- Technologies for 5G and beyond wireless networks
- Molecular Communications

Radia Perlman **

Radia.Perlman@dell.com
USA (WA)

- Network Protocols: Myths, Missteps, and Mysteries
- How to Build an Insecure System out of Perfectly Good Cryptography
- Distributed Trust: Is “Blockchain” the best approach?

Yi Qian **

yqian2@unl.edu
USA (NE)

- 5G wireless networks
- Spectrum and energy efficient wireless network design
- Wireless network modeling and simulations
- Wireless security and network security
- Cyber security
- Vehicular networks
- Smart grid communication infrastructures
- Big data and cloud computing

Tony Quek **

tonyquek@sutd.edu.sg
Singapore

- AI: A Networking and Communication Perspective
- Modelling, Learning, and Control in Future Wireless Networks
- Towards Massive, Ultra-Reliable, and Low-Latency Communications
- Machine Learning for Future Wireless Systems
- Start thinking about 6G

Giorgio Quer **

gquer@scripps.edu
USA

- Machine Learning in Digital Medicine
- Big Health Data with Wearables: Sensing, Processing and Outcomes
- Device-to-Device Communication in 5G
- Cellular and Device-to-Device Networks: towards Non-orthogonal Coexistence

Joel Rodrigues **

joeljr@ieee.org

Brazil

- Internet of Things (IoT) and Sensor Networks
- e-Health and Mobile Health Technologies
- Vehicular Networks

Walid Saad *

walids@vt.edu

- Machine Learning for Wireless Networks with Artificial Intelligence (AI)
- Wireless Communications and Networking with Unmanned Aerial Vehicles (UAVs)
- Virtual Reality over Wireless Networks: Modeling and Optimization
- Ultra Reliable Low Latency Communications (URLLC): Learning, Networking, and Control
- Wireless Communications for Autonomous Vehicular Systems
- The Internet of Things: Enablers, Technologies, and Applications
- Wireless Networking with Human-in-the-Loop
- Towards Resilient Smart Cities
- Security of Unmanned Aerial Vehicle Systems
- Security of the Internet of Things
- Context-Aware Wireless Networks
- Online Optimization for Fog Computing
- Game Theory for Wireless Networks
- Resource Management in Millimeter Wave Networks
- Social Network-Aware Wireless Communication

- Prospect Theory for Wireless and Cyber-Physical Systems
- Caching in Wireless Networks
- Smart Grid Energy Management and Security
- Wireless Physical Layer Security
- Modeling and Optimization of Cyber-Physical Systems

Brian Sadler **

brian.m.sadler6.civ@mail.mil
USA (MD)

- Autonomy and Multi-Agent Communications
- Physical Layer Fingerprinting By Design: Authentication and Security
- A New Perspective on Lower-VHF
- Driverless Cars: Alice or Bob? (For general audiences)

Roberto Saracco *

roberto.saracco@gmail.com
Italy

- The Digital Transformation
- Smart Cities
- Symbiotic Autonomous Systems

Suresh Subramaniam **

suresh@gwu.edu
USA

- Data center networking
- Elastic/flex-grid optical networks
- Performance optimization in cloud computing

Tarik Taleb *

talebtarik@gmail.com
Germany

Ranga Rao Venkatesha Prasad *

R.R.VenkateshaPrasad@tudelft.nl

Netherlands

- Energy Harvesting IoTs and Context awareness
- Use of Constructive Interference in Energy Harvesting IoTs
- Virtual Sensing and Approximate services in Future IoTs - A perspective
- Millimeter wave communications for small cell networks
- Sensor Assisted Beam steering for 60GHz small cell networks
- Energy Disaggregation in smart homes

Cheng-Xiang Wang *

chxwang@seu.edu.cn

China

- General Non-Stationary Wireless Channel Models for 5G and Beyond
- High-Speed Train Wireless Channel Measurements and Models
- Massive MIMO Wireless Channel Measurements and Models
- Spectral -Energy Efficiency Trade-off of 5G Wireless Communication Systems

Honggang Wang *

Hwang1@umassd.edu

USA (MA)

- Smart and Connected health, eHealth and wireless health
- Security, privacy and trust for connected Health services/applications
- Body area networks
- Integration of medical devices with wireless health

- IoT for Smart and Connected Health
- Internet of Things: Sensor and Devices, Communication and Networking, Applications
- Communication System or Decision Support System design for connected health
- Wearables & Bioelectronics
- Communication/network infrastructures, and protocols
- Software, systems and performance engineering for Connected Health
- Multimedia E-health
- Multimedia streaming over Wireless Networks, QoS and Multimedia applications.
- Cloud-based Video Processing and Content Sharing

Vincent Wong *

vincentw@ece.ubc.ca

Canada

- Non-orthogonal multiple access (NOMA)
- Internet of Things (IoT) and machine-type communications
- Fog computing and mobile edge computing
- Smart grid communications and networking

Kun Yang **

kunyang@essex.ac.uk

China

- Mobile edge computing, data and energy integrated networks
- Internet of Things, UAV-enabled communications

Richard Yu *

richard.yu@carleton.ca

Shui Yu **

syu@deakin.edu.au
Australia

- Cybersecurity and Privacy: State-of-Art, Challenges, and Opportunities
- Networking for Big Data: Challenges and Opportunities
- Big Data Privacy from Networking and AI Perspective

Rui Zhang *

elezhang@nus.edu.sg
Singapore

- UAV communications for 5G and beyond
- Intelligent reflecting surface aided wireless communication
- Wireless powered communication: theory and practice

Angela Yingjun Zhang **

yjzhang@ie.cuhk.edu.hk
Hong Kong

- Learning to Optimize in Information and Communications Systems
- Randomized Message Passing in Ultra Dense Wireless Networks
- Stochastic Optimization and Learning in Smart Grids

Zhensheng Zhang **

zhenshengz@gmail.com
USA

- Cloud computing, fog/edge computing, IoT

- Machine learning based Cognitive radio/networks
- 5G and beyond
- Dynamic spectrum allocation
- Artificial intelligence (AI) based on Delay Tolerant Networks (DTN)

Lian Zhao **

5zhao@ryerson.ca

- Service scheduling and Resource Management for future wireless communication networks
- Dynamic mobile edge caching: applications and theories
- Channel allocation for Vehicular ad-hoc Networks
- Energy efficiency maximization with multi-channel communications

Zuqing Zhu **

zqzhu@ieee.org
China

- Network function virtualization (NFV) in optical networks;
- Network softwarization in 5G;
- Software-defined networking (SDN) with Protocol Oblivious Forwarding (POF);
- Service provisioning in elastic optical networks (EONs);
- Knowledge-defined multilayer optical networks.

TRAVEL GRANTS

General Policy

Under the Student Travel Grant (STG) Program, the Communications Society (ComSoc) provides a limited number of student travel grants to help Student Members attend major ComSoc conferences. Conference organizers may also seek other sources for travel grants and an example is: the NSF (National Science Foundation) program supports travel for students studying at a US college or university.

Eligibility for ComSoc Student Travel Grants

To qualify for the ComSoc STG, the applicant must satisfy all of the following requirements:

- Is an author of an accepted conference paper and presents the paper at the conference
- Is a Student Member of ComSoc when submitting the application
- Is a full-time student registered toward a Bachelors, Masters, or Ph.D. degree in engineering or a related field in a college or university when submitting the application
- May not receive more than one STG in any 12-month period

ComSoc Student Travel Grant Application Process and Notification

The conference website will provide the instructions for completing the STG application form, as well as, information regarding the approval/notification process. The STG Committee for each conference will review all travel grant applications and notify applicants about award decisions by the date indicated within the conference website.

The ComSoc Student Travel Grant Award

The STG consists of a monetary award to be used towards registration fee(s), conference hotel expenses, and travel costs. This is determined by the STG Committee for each particular conference. To claim a STG, the student must complete the necessary voucher form (provided on the conference website) and attach original receipts. The voucher must be received by ComSoc Staff within 45 days of the last day of the conference.

AWARDS

The Communications Society sponsors programs to recognize technical achievements and service. To learn more about these awards or how to develop or sponsor new awards, please contact the ComSoc Awards Committee.

CAREER AWARDS

IEEE Communications Society Edwin Howard Armstrong Achievement Award

Prize – Certificate, plaque, and honorarium of US\$2,000 (funded by the IEEE Foundation).

Eligibility – Must be a member of the Communications Society at time of nomination.

Basis for Judging – Demonstrates outstanding contributions over a period of years in the field of interest of the Society.

Presentation – Annually (as soon as possible after recommendation). Award will not be presented if suitable candidate is not available.

Recipients

2019 – Geoffrey Ye Li	2000 – Laurence B. Milstein
2018 – Andreas F. Molisch	1999 – Al Gross
2017 – Muriel Medard	1998 – Donald L. Schilling
2016 – Moe Z. Win	1997 – Marvin K. Simon
2015 - Theodore S. Rappaport	1996 – Joachim Hagenauer
2014 - Andrea Goldsmith	1995 – Adam Lender
2013 - John M. Cioffi	1994 – Mischa Schwartz
2012 – Donald Cox	1993 – Paul Schumate
2010-11 – No Awards	1992 – Hisashi Kaneko
2009 – H. Vincent Poor	1991 – Burton R. Saltzberg
2008 – Sergio Benedetto	1990 – Jack K. Wolf
2007 – Norman C. Beaulieu	1989 – Paul E. Green, Jr.
2006 – Larry J. Greenstein	1988 – Jack M. Sipsess
2005 – No Award	1987 – Paul Baran
2004 – Hussein Mouftah	1986 – Gottfried Ungerboeck
2003 – Hikmet Sari	1985 – Robert Charles Terreault
2002 – Michael B. Pursley	
2001 – Ezio Biglieri	

1984 – Bob O. Evans	1971 – A.C. Dickieson
1983 – No Award	1970 – R.K. Hellmann
1982 – Tadahiro Sekimoto	1969 – D.S. Rau
1981 – Robert Price	1968 – P.G. Edwards
1980 – Frederick T. Andrews	1967 – J.Z. Millar
1979 – Arthur A. Collins	1966 – W.T. Rea
1978 – Andre Pinet	1965 – A.G. Kanoian
1977 – William H.C. Higgins	1964 – No Award
1976 – Walter B. Morrow	1963 – I.S. Coggeshall
1975 – Robert W. Lucky	1962 – A.G. Clavier
1974 – Frank D. Reese	1961 – El Green
1973 – S. G. Lutz	1960 – No Award
1973 – C.E. Shannon	1959 – K. Bullington
1972 – Amos E. Joel, Jr.	1958 – H.H. Beverage

IEEE Communications Society Award for Public Service in the Field of Telecommunications

Prize – Certificate, plaque, and honorarium of US\$1,000.

Eligibility – No restrictions.

Basis for Judging – Major contributions to the public welfare through work in the field of telecommunications.

Presentation – Annually (as soon as possible after recommendation). Award will not be presented if suitable candidate is not available.

Recipients

2018- 2019 – No Award	1993 – George E. Brown, Jr.
2017 – Arnold Ph. Djiwatampu	1992 – Mansoor Shafi
2016 – Werner Mohr	1991 – No Award
2014-15 – No Award	1990 – Richard C. Kirby
2013 – Michael J. Marcus	1987 – Hubert Zimmerman
2012 – Veena Rawat	1985 – 1986 – No Award
2011 – Sasi Pilacheri Meethal	1984 – Mohammed Mili
2010 – No Award	1983 – No Award
2009 – David Falconer	1982 – Joseph R. Fogarty
2008 – No Award	1981 – Henry Geller
2007 – Sam Pitroda	1979 – 1980- No Award
2001-06 – No Award	1978 – Alphonse Ouimet
2000 – David D. Clark	1977 – Benjamin L. Hooks
1994-99 – No Award	1976 – Senator J.D. Pastore

IEEE Communications Society Distinguished Industry Leader Award

Prize – Plaque, certificate, and honorarium of US\$2,000.

Description - Recognizes an industry executive whose leadership has resulted in major and outstanding advances, and new directions in the information and communications business area.

Eligibility – An information or communication industry executive who has played a major leadership role in research or development. Also within, introduction of systems, devices, applications or services; that have significantly impacted the communications and information markets on a global basis and substantially advanced the use of information and communication technologies within industry, commerce, and society. The candidate is not required to be an IEEE member.

Basis for Judging – Executive leadership resulting in major advances and new directions in the information and communications business area. Evaluation is based on such factors as global acceptance of the products and services; financial success and growth of the business; ubiquity of the products and services; emulation of the contributions by competition, and degree of global recognition of the candidate. Other factors include time of service, impact, specific innovations, etc.

Nomination/Selection Process – Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee. Nominations will be openly solicited; however, nominations would also be received from a Nominations Committee appointed by the President of the Communications Society.

Presentation - The award will be presented at a major Communication Society annual conference or venue appropriate to the business area of the recipient. The award will not be conferred in any given year if a suitable candidate is not identified. Annually (as appropriate), no more than two awards will be given per year.

Administration and Funding - The Communications Society will administer the award covered out of annual Society operating expenses until a suitable endowment is established.

Recipients

2019 – Ibrahim Gedeon

2018 – Wen Tong

2017 – Zhengmao Li

2016 – Jong-Kyun Shi

2015 – Paul E. Jacobs

2014 – Eros Spadotto

2013 – No Award

2012 – Janusz Filipiak

Niklas Zennstrom

Janus Friis

2011 – No Award
2010 – Suk-Chae Lee
2009 – Kaoru Yano
2008 – No Award
2007 – Arun Sarin
2006 – Henry Samuelli

2005 – No Award
2004 – Ki Tae Lee
2004 – Irwin M. Jacobs
2003 – Jorma Ollila
2002 – John T. Chambers
2001 – Keiji Tachikawa

IEEE Communications Society Industrial Innovation Award

Prize – Plaque, certificate, and honorarium of US\$1,000 for each recipient. Up to three individuals may receive this award in a calendar year for separate accomplishments or as members of a team.

Description - To annually recognize an individual within the industry for major industrial accomplishments, standards, deployment of important processes or products, etc.,. Also, that substantially benefit the public in the field of communications and information technologies and are visible beyond the company or institution where the contribution was made.

Eligibility – Individuals at any level who were industry employees at the time of the accomplishments being recognized; candidate need not be an IEEE member.

Basis for Judging – Basis for judging and factors to be considered in the selection are time/length of service, impact in the field of communications, specific innovations benefiting industry, commerce, and society.

Presentation – Annually (as soon as possible after recommendation). No more than three awards may be made in any calendar year. The award will not be conferred in any given year if suitable candidates are not identified. The award will be presented at a major Communications Society annual conference or venue appropriate to the business area of the recipient.

Administration and Funding - The IEEE Communications Society will administer the award. Funding will be covered by the annual Society operating budget unless a suitable endowment is established

Recipients

2019 – Carlos Pignataro
2018 – No Award
2017 – Thomas L. Marzetta
2016 – Thierry Klein
2015 – Chih-Lin I
2014 – Wen Tong

2013 – Rajiv Laroia
2012 – Stephen Alexander
2011 – Lawrence Bernstein
2010 – No Award
2009 – David Belanger

IEEE Communications Society Education Award

Prize - Plaque, certificate, and honorarium of US\$1,000.

Description - To recognize distinguished and significant contributions to education within the Society's technical scope.

Eligibility – An IEEE Communications Society member at the time of nomination, who is an educator and who has made distinguished and substantial contributions to education within the fields of interest of ComSoc.

Basis for Judging - Nominees shall be judged by a career of meritorious achievement as exemplified by writing of scholarly books and texts, course materials, and papers on education; inspirational and innovative teaching; creativity in the development of new curricula and methodology, etc.

Nominee Solicitation - Nominations will be solicited each year and/or up to the nominations deadline decided by the Awards Committee. Nominations will be openly solicited.

Selection Process - All nominations shall be submitted to the IEEE Communications Society Awards Committee for final selection. The selection process shall comply with procedures and regulations established in IEEE and ComSoc governing documents, in particular with IEEE Policy 4.4 on Award Limitations.

Schedule - Nominations will be solicited from June until 1 September, unless otherwise noted via an open call on the ComSoc website. Nominations must then be submitted via the nomination form posted on the ComSoc website. Recipients will be notified by 15 October.

Presentation – Annually, presented by the IEEE Communications Society Awards Committee Chair and in the name of the IEEE Communications Society during the Global Communications Conference (GLOBECOM).

Administration and Funding - The IEEE Communications Society will administer the award. Funding will be covered by the annual Society operating budget unless a suitable endowment is established. The Society's budget includes the amount for this award and the Society budget is net positive with the inclusion of the award.

Recipients

2019 – Georgios Giannakis

2016 – Michele Zorzi

2018 – Lajos Hanzo

2015 – Tarek S. El-Bawab

2017 – Xuemin (Sherman) Shen

IEEE Communications Society Robert M. Walp Industry Humanitarian Award

Prize - Plaque, certificate, and honorarium of US\$1000..

Eligibility - An information or communications industry executive who played a major leadership role in research or development and introduction of systems, devices, applications or services that have significantly impacted humanity through availability and use of such technologies in developing or under-served areas, improving the well-being of people, or enabling their access to emergency and other basic services. The candidate is not required to be an IEEE member.

Basis for Judging - Executive leadership applying advances in information and communications technology so that they have a substantial impact on humanitarian needs and objectives. Evaluation is based on such factors as widespread acceptance of the products and services, meeting humanitarian objectives, ubiquity of the products and services in under-served or underdeveloped regions or communities, emulation of the contributions by others, and degree of global recognition of the candidate by humanitarian and other organizations. Other factors include time of service, impact, specific innovations, etc.

Nominee Solicitation - Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee. Nominations will be openly solicited; however, nominations will also be received from a Nominations Committee appointed by the President of the Communications Society.

Presentation - The award will be presented at either a major Communications Society annual event or an industry venue appropriate to the recipient, such venue being chosen by mutual agreement of ComSoc and the recipient. The award will not be conferred in any given year if a suitable candidate is not identified. No more than one award will be given in any calendar year (January 1 – December 31).

Administration and Funding - The honorarium will be funded out of Communications Society's annual operating budget. The Society/Council's budget includes the amount for this award AND the Society/Council budget is net positive with the inclusion of the award. No travel costs are to be paid.

Recipients

2019 - Edward G. Tiedemann, Jr.

SERVICE AWARDS

IEEE Communications Society Donald W. McLellan Meritorious Service Award

Prize – Certificate, plaque, and honorarium of US\$1,000 up to two awards per year.

Eligibility – Must be a member of the IEEE Communications Society.

Basis for Judging – Outstanding long-term service to the welfare of the IEEE Communications Society.

Presentation – Annually, (as soon as possible after recommendation) or award will not be presented if suitable candidate is not available.

Recipients

2019 – No Award	1991 – Celia Desmond
2017-18 – No Award	Jack C. McDonald
2016 – Raouf Boutaba	1990 – Richard P. Skillen
2014-15 – No Award	1989 – William H. Tranter
2013 – Byeong Gi Lee	1988 – Richard A. Alston
2012 – Sergio Benedetto	John Limb
2011 – Stefano Galli	1987 – Noriyoshi Kuroyanagi
2010 – Leonard J. Cimini, Jr.	1986 – Paul E. Green, Jr.
2009 – Nim K. Cheung	John S. Ryan
2008 – Shri K. Goyal	1985 – M.R. Aaron
2007 – Roberto Saracco	Bruce DeMaeyer
2006 – Alexander D. Gelman	1983 – Allen Gersho
2005 – Mark J. Karol	Adam Lender
2004 – Harvey A. Freeman	Stephen Weinstein
2001-03 – No Award	1982 – William W. Middleton
2000 – Douglas N. Zuckerman	Walter B. Noller
1999 – No Award	1981 – Richard L. Shuey
1998 – Roberto de Marca	Edward J. Doyle
1997 – Curtis A. Siller	1980 – Edward J. Glenner
1996 – No Award	1979 – Richard Kirby
1995 – Thomas J. Plevyak	1978 – Donald L. Schilling
1994 – Raymond L. Pickholtz	1977 – David Solomon
1993 – Joseph L. LoCicero	1976 – Ran Slayton
1992 – Frederick T. Andrews	Anthony B. Giordano

IEEE Communications Society Harold Sobol Award for Exemplary Service to Meetings & Conferences

Prize – Plaque, certificate, and honorarium of US\$1,000.

Description and Eligibility – Society member at time of nomination who has demonstrated exemplary services to the meetings and conferences of the Society over a sustained period of time. Evaluation of candidates is based on such factors as long-term service, significant contributions, strategic planning and financial success, etc.

Basis for Judging – Exemplary service to IEEE Communications Society meetings and conferences over a sustained period of time.

Presentation – Annually (ass appropriate).

Nomination/Selection Process - Nominations will be openly solicited but they will be screened and reduced to a short list by a nominations committee chaired by the Vice President Conferences and consisting of members of the Conferences Steering Committee. The short list will be provided to the Awards Committee and the Awards Committee will select the final awardee.

Schedule and Presentation - Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee. The award will be presented at GLOBECOM or other venue appropriate to the award and the recipient. The award will not be conferred in any given year if a suitable candidate is not identified. Annually (as appropriate); no more than one award will be given per year.

Administration and Funding - The Communications Society will administer the award. Funding will be covered out of annual Communications Society operating expenses unless a suitable endowment is established.

Recipients

2019 – Zhisheng Niu	2010 – Abbas Jamalipour
2018 – Xuemin Sherman Shen	2009 – Heinrich Stüttgen
2017 – Chengshan Xiao	2008 – Roberto de Marca
2016 – Merrily W. Hartmann	2007 – Raouf Boutaba
2015 – Mehmet Ulema	2006 – Paul R. Hartmann
2014 – Stefano Bregni	2005 – Jaafar M.H. Elmirghani
2013 – Gerhard Fettweis	2004 – No Award
2012 – Hikmet Sari	2003 – Doug Lattner
2011 – Khaled B. Letaief	2002 – Douglas N. Zuckerman
2001 – Harvey A. Freeman	2000 – Ross C. Anderson

IEEE Communications Society Joseph LoCicero Award for Exemplary Service to Publications

Prize – Plaque, certificate, and honorarium of US\$1,000.

Description and Eligibility – A Society member at time of nomination who has been involved with one or more of the Society’s publications (e.g., journals, magazines; print or electronic) for a sustained period of time and having made notable contributions in areas such as editing, publishing or otherwise facilitating their realization, quality, scope or visibility.

Basis for Judging – Exemplary service to IEEE Communications Society publications over a sustained period of time.

Deadline and Presentation - Nominations due 1 September, unless otherwise noted. Will be presented annually (as appropriate).

Recipients

2019 – Dong In Kim	2008 – Andrzej Jajszczyk
2018 – Robert Schober	2007 – Khaled Ben Letaief
2017 – Sara Kate Wilson	2006 – James F. Kurose
2016 – Leonard J. Cimini Jr.	2005 – Yeheskel (Zeke) Bar-Ness
2015 – Xuemin (Sherman) Shen	2004 – Desmond P. Taylor
2014 – Chengshan Xiao	2003 – No Award
2013 – David Daut	2002 – Curtis A. Siller
2012 – Nelson Fonseca	2000 – No Award
2011 – Vijay Bhargava	2001 – William H. Tranter
2010 – Larry Greenstein	1999 – Joseph L. LoCicero
2009 – Raouf Boutaba	1998 – Paul E. Green, Jr.

IEEE ComSoc/KICS Exemplary Global Service Award

Prize – Plaque, certificate, and honorarium of US\$2,000 and up to US\$1,500 for travel to receive award.

Eligibility – Member of the Communications Society or the Korean Information & Communications Society at time of nomination.

Basis for Judging – Outstanding and long-term service fostering and advancing globalization within the communications arena.

Nomination/Selection Process – ComSoc Awards Committee will handle the evaluation and selection process. Nominations will be solicited each year, up to the nominations deadline decided by the Awards Committee.

Presentation - The award will be presented annually (as appropriate) by presidents of both societies during IEEE GLOBECOM. The award will not be conferred in any given year if a suitable candidate is not identified.

Administration and Funding - KICS will provide the honorarium and partial travel support; ComSoc will provide the plaque and certificate.

Deadline – Nominations due 1 September, unless otherwise noted.

Recipients

2019 – Stefano Bregni	2011 – J. Roberto B. de Marca
2018 – No Award	2010 – Roberto Saracco
2017 – Byeong Gi Lee	2009 – Tomonori Aoyama
2015-16 – No Award	2008 – Maurizio Decina
2014 – Lin-Shan Lee	2007 – Stephen B. Weinstein
2012-13 – No Award	

IEEE Communications Society Carole Swaim Award for Distinguished Staff Service

Prize - The award will include a plaque, certificate, and honorarium of US\$1,000.

Eligibility - Member of the IEEE Communications Society Staff.

Basis for Judging - For outstanding service over a period of years to the IEEE Communications Society.

Nomination & Selection Process - Nominations shall be solicited each year (from volunteers only) up to the nomination deadline decided by the Awards Committee. The list of nominees shall be submitted to OpCom for consideration and determining the awardee at their OpCom 2 meeting. The name of the awardee selected (if any) shall be conveyed to the Awards Committee to facilitate coordination of the Awards Ceremony.

Presentation - The award shall be presented during IEEE GLOBECOM. The award title and description, with the recipient’s name, shall be included in the ComSoc Community Directory. There is no requirement to confer the award in any given year.

Recipients

2019 – Joe Milizzo	2011 – Bruce Worthman
2015-2018 – No Awards	2009 – Ting Qian
2014 – Carol Cronin	2007 – Carole Swaim

PAPER AWARDS

Note: ComSoc magazines and journals are defined as those financially sponsored, in whole or in part, by the IEEE Communications Society.

The IEEE Communications Society Best Tutorial Paper Award

Prize – Plaque and honorarium up to US\$500 for each author (award total not to exceed US\$1,000).

Eligibility – Given to an outstanding tutorial paper published in any IEEE Communications Society magazine or journal in the previous 5 calendar years; author need not be an IEEE member.

Basis for Judging – Clarity and quality of presentation, timeliness, and relevance of topic.

Nominee Solicitation – Nominations solicited by Chair of Magazines/Journals Paper Awards Selection Committees in consultation with Magazines/Journals Editors-in-Chief.

Selection Process – Nominations screened and short list prepared by the Magazines and Journals Paper Awards Selection committees with the approval of the Magazines/Journals Editors-in-Chief, Director of Magazines, and Director of Journals. The short list submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted

The IEEE Communications Society Leonard G. Abraham Prize (in the Field of Communications Systems)

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of an original paper published in the IEEE Journal on Selected Areas in Communications in the previous three calendar years. The author(s) need not be an IEEE member.

Basis for Judging – Quality, originality, utility, timeliness, clarity of presentation.

Nominee Solicitation – Nominations solicited by Journal Editor-in-Chief from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process – Nominations screened and reduced to a short list by a committee of the Editorial Board and submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually (as soon as possible after recommendation). Award will not be given if a paper of high quality is not submitted.

The IEEE Communications Society Stephen O. Rice Prize (in the Field of Communications Theory)

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of an original paper, in the category of Communications Theory, published in the *IEEE Transactions on Communications* in the previous 3 calendar years. Author need not be an IEEE member.

Basis for Judging – Quality, originality, utility, timeliness, and clarity of presentation.

Nominee Solicitation – Nominations solicited by Transactions Editor-in-Chief from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process – Nominations screened and reduced to a short list by a committee of the Editorial Board and submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted.

The IEEE Communications Society William R. Bennett Prize

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of original paper, in the category of Communications Networking, published in the *IEEE/ACM Transactions on Networking* or the *IEEE*

Transactions on Network and Service Management in the previous 3 calendar years. The author(s) need not be an IEEE member.

Basis for Judging – Quality, originality, utility, timeliness, and clarity of presentation.

Nominee Solicitation – Nominations solicited by Transactions Editor-in-Chief from the Editorial Board, guest Editors, and readership (through published notice).

Selection Process – Nominations screened and reduced to a short list by a committee of the Editorial Board and submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted.

The IEEE Communications Society Fred W. Ellersick Prize

Prize – Plaque and honorarium up to US\$500 for each author (total not to exceed US\$1,000).

Eligibility – Publication of an original paper in any IEEE Communications Society magazine in the previous 3 calendar years; author need not be an IEEE member.

Nominee Solicitation – Nominations solicited by the Chair of Magazines Paper Awards Selection Committee in consultation with Magazines Editors-in-Chief.

Selection Process – Nominations screened and short list prepared by the Magazines Paper Awards Selection Committee with the approval of the Magazine's Editors-in-Chief. The short list is submitted to the Communications Society Awards Committee for final selection.

Presentation – Annually, (as soon as possible after recommendation) if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Deadline – Nominations due 15 February, unless otherwise noted.

The IEEE Communications Society Heinrich Hertz Award for Best Communications Letter

Prize - Plaque and honorarium of US\$500 per author (up to a maximum total of US\$2000).

Description - Letters published in any letter journal financially sponsored or co-sponsored by the Communications Society which open new lines of research; envision bold approaches to communication; formulate new problems to solve and essentially enlarge the field of communications engineering, are eligible for this annual award.

Eligibility – This award is given to an outstanding manuscript published in any letter journal during the previous three calendar years which opens new lines of research, envisions bold approaches to communication, formulates new problems to solve, and essentially enlarges the field of communications engineering. Recipients need not be IEEE members.

Basis for Judging - Quality, exposition, novelty and impact.

Nominee Solicitation/Selection - Nominations will be solicited by the Editor-in-Chief of the letter journal from the Editorial Board. Each associate editor may submit no more than one paper to the Editor-in-Chief for consideration. A subcommittee comprised of the Editor-in-Chief and five Associate Editors will screen the nominated papers. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notices).

No more than five manuscripts will be submitted to the Awards Committee for final selection by March 1 of each year. Selection will be based on rankings given to each nominated paper by each member of the subcommittee. Each paper submitted to the Awards Committee will be accompanied by a summary statement.

Administration - The IEEE Communications Society will administer the award covered out of the Society's annual operating budget until a suitable endowment is established. Each recipient receives an honorarium of \$500 up to maximum of \$2000 (plus the minimal cost of plaques) and will be budgeted annually to cover the total cost of up to \$2000 per year.

Presentation - Annually, at ICC or GLOBECOM (as soon as possible after recommendation). Award will not be given if a paper of high quality is not uncovered.

The IEEE Communications Society/Information Theory Society Joint Paper Award

Prize – A plaque and an honorarium up to US\$500 for each author (total not to exceed US\$1,000 for each paper).

Eligibility – For outstanding papers published in any publication of the Communications Society or IEEE Information Theory Society within the previous three calendar years. The authors do not have to be members of IEEE and is presented annually.

Basis for Judging – Quality, originality, utility, timeliness, and presentation. The paper should cover the interests and achieve the values of both the Communications Society and Information Theory Society.

Sponsorship and Funding – Jointly sponsored by IEEE Communications Society (ComSoc) and Information Theory Society (IT). Funding evenly divided by the two sponsoring societies.

Selection Process –

1. Each year a joint papers evaluation subcommittee of six members is formed with three from each of the Awards committees of the two Societies. ComSoc members are appointed by the Chair of the ComSoc Awards Committee.
2. This subcommittee considers ranked nominations from publications boards in both societies and selects 1 or 2 papers as the award recipients. No paper already selected for a ComSoc paper award will be eligible. The processes/timelines will be the same as all other paper awards.

Presentation – Annually, at any event sponsored by either of the two sponsoring societies selected by the recipient(s).

IEEE Marconi Prize Paper Award in Wireless Communications

Prize – Plaque, honorarium of up to US\$1,000, and travel reimbursement of up to US\$3,000.

Description - The IEEE Guglielmo Marconi Best Paper Award is an annual award sponsored by Qualcomm Inc., for an original paper in the field of Wireless Communications published in the *IEEE Transactions on Wireless Communications* (co-sponsored by the IEEE Communications Society and IEEE Signal Processing Society).

Eligibility - Author of an original paper in the field of Wireless Communications; published in the *IEEE Transactions on Wireless Communications* in the previous

3 calendar years, are eligible for the Award. There are no restrictions as to IEEE membership, nationality, race, creed, age or gender.

Basis for Judging – Originality, utility, timeliness, and clarity of presentation.

Nominee Solicitation – Nominations solicited by the Editor-in-Chief of *IEEE Transactions on Wireless Communications* from the Editorial Board, guest editors, and readership (through published notice).

Selection Process – Annually, solicitations are sought from 1 January through 31 January. A short list is generated by 1 March and selection by an award committee (consisting of 3 members of the ComSoc Awards Committee and 1 from the Signal Processing Society) is completed by 10 April. The Chair of the Communications Society Awards Committee notifies recipients no later than 20 April.

Administration – Sponsored by Qualcomm Inc., in addition to the US\$1000 honorarium, a travel reimbursement of up to US\$3000 is provided for travel and living to enable recipients to attend the Awards Luncheon.

Presentation – Annually, presented by the IEEE Communications Society Awards Committee Chair in the name of the IEEE Communications Society, the IEEE Signal Processing Society, and the external sponsor of the award. Presented at the International Conference on Communications.

The IEEE Communications Society Award for Advances in Communication

Prize – Plaque and honorarium of US\$500 per author (up to a maximum total of US\$2000).

Eligibility – Papers that open new lines of work; envision bold approaches to communication; formulate new problems to solve and essentially enlarge the field of communications engineering. Given to an outstanding paper published in any IEEE Communications Society publication in the previous 15 calendar years. Author(s) need not be an IEEE member.

Basis for Judging – Quality, originality, novelty and impact.

Nominee Solicitation – Nominations solicited by Editors-in-Chief to the Editorial Boards and guest editors of all IEEE Communications Society publications. After screening, each Editor-in-Chief shall submit at least one nomination. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notice).

Selection Process – All nominations shall be submitted to the IEEE Communications Society Awards Committee for final selection by 1 March of each year. The selection process shall comply with procedures and regulations established in IEEE and ComSoc governing documents, in particular, with IEEE Policy 4.4 on Award Limitations.

Administration and Funding – The IEEE Communications Society will administer the award covered out of annual Society operating expenses until a suitable endowment is established.

Presentation – Annually at ICC or GLOBECOM. Award will not be given if a paper of high quality is not submitted. Award and recipient will be published in the ComSoc Awards Luncheon brochure and posted on the ComSoc web site.

IEEE Communications Society Charles Kao Award for Best Optical Communications & Networking Paper

Prize - Plaque and honorarium of US\$500 per author (up to a maximum total of US\$2,000). If more than four authors, the maximum of US\$2,000 would be split between each author.

Description - Award to recognize a best paper award published in *OSA/IEEE Journal on Optical Communications & Networking*.

Eligibility - This award will be given to papers published in the *OSA/IEEE Journal on Optical Communications & Networking (JOCN)* that open new lines of research; envision bold approaches to optical communication and networking; formulate new problems to solve and essentially enlarge the field of optical communications and networking. Papers published in the prior three calendar years of *JOCN* are eligible for the award. Author need not be an IEEE member.

Basis for Judging - Quality, exposition, novelty and impact.

Nominee Solicitation - Nominations will be solicited by the Editor-in-Chief of *OSA/IEEE Journal on Optical Communications & Networking* from the Editorial Board. Each associate editor may submit no more than one paper to the Editor-in-Chief for consideration. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notices).

Selection Process - A sub-committee comprised of the Editor-in-Chief and five Associate Editors will screen the nominated papers. Selection will be based on rankings given to each nominated paper by each member of the sub-committee. Each paper submitted to the Awards Committee will be accompanied by a summary statement. The selection process complies with procedures and regulations established in IEEE and Communications Society governing documents, in particular, with IEEE Policy 4.4 on Award Limitations.

Administration and Funding - The IEEE Communications Society will administer the award covered, in part by, an endowment established by the IEEE Foundation and the remaining out of annual Society operating expenses. The Society's budget includes the amount for this award, and the Society's budget is net positive with the inclusion of the award.

Presentation - Annually, at the OFC Conference.

IEEE Communications Society Young Author Best Paper Award

Prize - Plaque and honorarium of US\$1000. In the event that there is more than one young author, the maximum prize shall be divided equally among all young authors and each shall receive a plaque.

Description - The Young Author Best Paper Award honors the author(s) of an especially meritorious paper dealing with a subject related to the Society's technical scope and who, upon the date of submission of the paper, is less than 30 years of age.

Eligibility - Author(s) of an original paper in a subject related to the Society's technical scope and appearing in one of the Society's solely owned or jointly owned transactions or journals in the previous 3 calendar years. Whom also, upon the date of submission of the paper, is(are) less than 30 years of age. There are no restrictions as to IEEE membership, nationality, race, creed, age or gender. The prize is only presented to the young author(s) who are under 30 years of age and have made a substantial contribution to the paper.

Frequency -Annually, if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Basis for Judging - Originality, utility, timeliness, impact, and clarity of presentation.

Nominee Solicitation - Nominations solicited by Editors-in-Chief to the Editorial Boards and guest Editors of all IEEE Communications society publications. After screening, each Editor-in-Chief shall submit at least one nomination. Nominations will also be solicited from ComSoc Technical Committee chairs and readership (through published notice).

Selection Process - All nominations shall be submitted to the IEEE Communications Society Awards Committee for final selection by February 15 of each year. The selection process shall comply with procedures and regulations established in IEEE and ComSoc governing documents, in particular, with IEEE Policy 4.4 on Award Limitations.

Administration/Funding - Budget Implication - US\$1000 per year. The IEEE Communications Society will administer the award out of the annual Society Operating Budget. The Society's budget includes the amount for this award, and the Society's budget is net positive with the inclusion of the award.

Presentation - Annually, presented by the IEEE Communications Society Awards Committee Chair and in the name of the IEEE Communications Society. Presented at the International Conference on Communications (ICC).

IEEE Communications Society Best Survey Paper

Prize - Plaque and honorarium of US\$500 per author (up to a maximum total of US\$1,000). If more than four authors, the maximum of US\$1,000 would be split between each author.

Description - Award honors the author(s) of an especially meritorious paper published in a ComSoc owned journal dealing with a subject related to the Society's technical scope.

Eligibility -This award will be given to papers published in any journal owned exclusively by the IEEE Communications Society in the past five years. Eligibility and Selection process shall comply with procedures and regulation established in IEEE and Society governing documents, particularly, with IEEE Policy 4.4 on Awards Limitations. There are no restrictions as to IEEE membership, nationality, race, creed, age or gender.

Frequency - Annually, and if in any year no eligible paper is deemed to be of sufficient quality, no award will be given.

Basis for Judging - Originality, utility, timeliness, impact, technical content, and clarity of presentation.

Nominee Solicitation - Nominations are solicited by Editors-in-Chief with the aid of their Editorial Boards and guest editors of all IEEE Communications Society publications. After screening, each Editor-in-Chief shall submit at least one nomination. Nominations will also be solicited from ComSoc Technical Committee chairs and the community at large.

Administration and Funding - The IEEE Communications Society will administer the award covered in part by an endowment established by the IEEE Foundation and the remaining out of annual Society operating expenses. The Society's budget includes the amount for this award and the Society's budget is net positive with the inclusion of the award.

Presentation - Annually, at the ICC Conference.

PAPER AWARDS NOMINATION PROCESS

Communications Society Paper Awards

The Communications Society Awards Committee retains responsibility for the ultimate selection of winning papers and functioning of the awards process. It coordinates the nomination and decision processes; staff orders the certificates, plaques, and honorariums. ComSoc magazines and journals are defined as those financially sponsored, in whole or in part, by the IEEE Communications Society.

Magazines and Journals Editor-in-Chief are responsible for generating short nomination lists for their respective prizes and these lists become the major basis for decisions of the Awards Committee. Nominations are solicited by each Editor-in-Chief from his/her Editorial Board, guest editors, and the readership. Nominations may be solicited in a published notice. These nominations are then screened/reduced to a short list and submitted to the Awards Committee for final selection. (See specific details under each paper award.)

ComSoc welcomes nominations from Society Members for Prize Papers published in previous years. Such action will give a deserving colleague a chance for one of these prestigious awards. A nomination should clearly state the author(s), paper title, the publication/issue in which the paper appeared, and in a few words, why the paper deserves an award. It should then be sent to the Editor-in-Chief of the publication in which the paper appeared (refer to EICs listed under “Publications” of the ComSoc Community Directory).

The Communications Society Best Tutorial Paper Award

For an outstanding tutorial paper published in any Communications Society magazine or journal in the previous 5 calendar years.

The Communications Society Leonard G. Abraham Prize

For a paper published in the category of Communications Systems and published in the *IEEE Journal on Selected Areas in Communications* in the previous 3 calendar years.

The Communications Society Stephen O. Rice Prize

For a paper published in the category of Communications Theory and published in the *IEEE Transactions on Communications* in the previous 3 calendar years.

The Communications Society William R. Bennett Prize in the Field of Communications Networking

For a paper published in the *IEEE/ACM Transactions on Networking* or the *IEEE Transactions on Network and Service Management* in the previous 3 calendar years.

The Fred W. Ellersick Prize

For a paper in any Communications Society magazine in the previous 3 calendar years.

The Communications Society Heinrich Hertz Award for Best Communications Letter

For letters published in any letter journal financially sponsored or co-sponsored by the Communications Society, which essentially, enlarge the field of communications engineering in the previous 3 calendar years.

The ComSoc & Information Theory Joint Paper Award

For a paper, relevant to both Societies, that appeared in any publication of the Communications Society or the Information Theory Society in the previous 3 calendar years.

The IEEE Marconi Prize Paper Award in Wireless Communications

(ComSoc and Signal Processing Society)

For a paper from *IEEE Transactions on Wireless Communications* in the previous 3 calendar years.

The Communications Society Award for Advances in Communication

For a paper in any Communications Society journal or magazine in the previous 15 calendar years.

IEEE Communications Society Charles Kao Award for Best Optical Communications & Networking Paper

Award to recognize a best paper award published in *OSA/IEEE Journal on Optical Communications & Networking*.

IEEE Communications Society Young Author Best Paper Award

For a paper in one of the Society's solely owned or jointly owned transactions or journals in the previous 3 calendar years. The author(s) of which is (are) less than 30 years of age.

IEEE Communications Society Best Survey Paper

For a papers published in any journal owned exclusively by the IEEE Communications Society in the past five years.

The short nomination lists for all prize papers are submitted to the Communications Society Awards Committee no later than January 31 of the year following the year in which papers were published. Award presentations are traditionally made at ICC each year.

IEEE Awards

Recognition for an outstanding paper can be given at both Society and Institute levels. Editor(s)-in-Chief may wish to nominate automatically the winning Communications Society papers for appropriate IEEE awards (refer to the IEEE web site for awards information: About Us/Awards).

W. R. G. Baker Award recognizes an outstanding original paper published in any IEEE journal, transactions, proceedings, or magazine in the past year.

Donald G. Fink Award recognizes an outstanding survey or tutorial paper published in any IEEE journal, transactions, proceedings, or magazine in the past year.

IEEE COMMUNICATIONS SOCIETY CONSTITUTION

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Article 1—Name, Purposes, and Scope

1.1 Name - The name of this organization is the IEEE Communications Society, hereinafter referred to as “the Society.” It is organized within the Institute of Electrical and Electronics Engineers, Inc. hereinafter called “the IEEE.”

1.2 Purposes - The purposes of the Society are:

- Scientific and educational – directed toward the advancement of the theory, practice and application of communications engineering and related arts and sciences;
- Professional – directed toward promotion of high professional standards, development of competency and advancement of the standing of members of the profession it serves.

1.3 The Society promotes cooperation and exchange of information among its members and those of other organized bodies within and outside the IEEE. Means to these ends may include, but are not limited to, the holding of meetings for the presentation and discussion of papers, the publication of journals, sponsorship of tutorial seminars and workshops, stimulation of research, the education of members, establishment of standards, and providing for the technical and professional needs of its members via organized efforts.

1.4 Scope – The IEEE Communications Society embraces the science, technology, applications and standards for information organization, collection and transfer using electronic, optical and wireless channels and networks, including but not limited to:

- Systems and network architecture, control and management;
- Protocols, software and middleware;

- Quality of service, reliability and security;
- Modulation, detection, coding, and signaling;
- Switching and routing;
- Mobile and portable communications;
- Terminals and other end devices;
- Networks for content distribution and distributed computing; and
- Communications-based distributed resources control.

1.5 Authority - Society organization and operations are in accordance with the IEEE Constitution and Bylaws, IEEE Policies, IEEE Operations Manuals of Major Boards reporting to the IEEE Board of Directors, and Society governing documents that are not in conflict with any of the aforementioned documents..

Article 2—Bylaws

2.1 Bylaws are rules and regulations adopted by the Society for governing its members and for the overall management of its affairs. They provide guidance to govern all phases of the organization, management and activities, as outlined in the Constitution. Bylaws may not be in conflict with the Constitution. Bylaws are approved and amended by the Board of Governors and may be changed as Society interests evolve.

Article 3—Policies and Procedures

3.1 Policies and Procedures provide more detailed statements about specific policies, objectives, and procedures than are contained in the Constitution or Bylaws. Policies and Procedures shall be amended as specified in the Bylaws.

Article 4—Membership

4.1 IEEE members of any grade shall become Society members upon application and payment of the Society membership dues. The membership dues, the cost of publications, and other considerations members receive for the membership dues are to be set as part of the Society's annual budget.

4.2 Grades of membership for the Society shall be as specified in the Bylaws.

4.3 Individuals who are not members of the IEEE may become Affiliate members of the Society upon:

- Meeting the requirements established in the IEEE Bylaws for Affiliate membership;
- Making proper application for Affiliate membership;
- Making appropriate payment for Affiliate membership.

Any other requirements for Affiliate membership shall be as established in the IEEE Bylaws.

Article 5—Organization

5.1 Board of Governors (BoG) – The Society shall be governed by the BoG. The BoG shall have primary fiduciary responsibility for the Society and shall set Society policy.

5.2 Society Officers.

5.2.1 Elected Officers – The Society Officers elected by the Society membership shall be:

- **President-Elect** – The President-Elect shall serve a one-year term the year following his/her election. Following the term of one year as President-Elect, the holder of that office shall serve as President in the subsequent two years and shall serve as Past President in the year after that. The President is the Chief Executive Officer of the Society and chairs the BoG.
- **Vice Presidents** – Each shall chair a Council responsible for a key area of interest to the Society.
- **Members-at-Large** – They shall be elected for staggered multiyear terms. The operations of the Society shall be assessed periodically, and the number of Members-at-Large shall be adjusted in accordance with membership needs and growth.
- **IEEE Division III Delegate(s)/Director(s)** elected by Society membership. By virtue of such election, the holder of that office shall also be a Society Officer.

All elected Officers, including the President and the Past President, shall be voting members of the BoG.

5.2.2 Appointed Officers – The President shall appoint Officers to assist in managing Society activities. As specified in the Bylaws, such appointments may be made upon recommendation of the appropriate Vice President may require BoG approval, and the initial appointments for a President’s term shall be proposed for BoG approval in an odd-numbered year by the President-Elect. These Officers serve concurrently with the nominal term of the President. The Society appointed Officers, subject to BoG approval, shall be:

- **Treasurer**, who shall be responsible for the financial affairs of the Society.
- **Directors**, each of whom shall chair a Board.
- **Other appointed Officers** as may be provided for in the Bylaws.

Appointed Officers may be non-voting members of the BoG, as specified in the Bylaws. Appointed Officers serving on the BoG may participate in discussions and make or second motions. If appointed Officers are serving on the BoG concurrently as elected Officers, then they shall be voting members of the BoG.

- 5.3 Operating Committee** – Management of Society affairs between regular and special meetings of the BoG is delegated to an Operating Committee (OpCom). Actions of OpCom shall be ratified at the next BoG meeting, except for those actions taken in areas already delegated.
- 5.4 Councils** – Councils report to the BoG. They are responsible for the policies of their Boards/Standing Committees, and they oversee the operations of their Boards/Standing Committees, address issues common to all their Boards/Standing Committees, address issues that could not be resolved at the Board/Standing Committee level, and escalate such issues to the BoG if they cannot be resolved at the Council level. Councils are established and dissolved through resolutions of the BoG, as specified in the Bylaws.
- 5.5 Boards** – Boards are the major operational entities of the Society and report to Councils, as specified in the Bylaws. Boards have scopes aligned with the scope of their Councils and, within their scopes, they may decide policies and make operational decisions as allowed by their Councils. Boards are established and dissolved through resolutions approved by the BoG, as specified in the Bylaws.
- 5.6 Standing Committees** – Standing Committees report to the BoG or Councils, as specified in the Bylaws. They are established and dissolved through resolutions approved by the BoG, as specified in the Bylaws.
- 5.7 Ad Hoc Committees** – Ad Hoc Committees may be established or dissolved by the President, and report to the BoG.
- 5.8 Professional Staff** – The Staff consists of paid professional employees of IEEE who support the activities of the Society. The Staff is managed by the Society Executive Director who is a Society Officer, an ex-officio non-voting member of the BoG, and also serves as the BoG Secretary.

Article 6—Finances

- 6.1 Assets** – All funds and property held by or for the Society are vested in the IEEE.
- 6.2 Revenues** – Basic revenues consist of dues or assessments that are levied on members of the Society, covering publications supplied and services rendered to all members. Other revenues may be raised from other sources, consistent with IEEE regulations. Proposed new income sources require the approval of IEEE.

- 6.3 Budget** – An annual budget shall be prepared and approved by the BoG and IEEE in advance of each fiscal year. Any changes to the budget, or expenditures in excess of budgeted amounts or for unbudgeted items, require advance approval by the BoG before commitment and/or payment.
- 6.4 Debts** – Neither the Society nor any Officer or representative thereof has any authorization to contract debts for, pledge the credit of, or in any way bind the IEEE without prior approval or authorization by persons, organizations or documents as specified by IEEE.

Article 7—Member Services

- 7.1 Meetings and Conferences** – Principal Society meetings are conferences, workshops, symposia and conventions, held either alone or in cooperation with other IEEE units and/or other professional or technical organizations.
- 7.2 Publications** – The Society, subject to the editorial and fiscal policies of the IEEE, publishes magazines, transactions, journals and other technical materials, such as leading-edge technical articles, tutorials, conference papers, etc. Subscriptions charged for such publications may be higher for non-member subscribers and purchasers than for Society members.
- 7.3 Education** – Principal educational activities include basic and continuing education and training programs.
- 7.4 Standards** – The Society sponsors standards development in accordance with the process defined and approved by IEEE Standards Associations. It also organizes standards-related activities that comply with applicable IEEE/ComSoc and/or IEEE-SA policies.

Article 8—Amendments

8.1 Constitution

- 8.1.1** Amendments to this Constitution may be initiated with a:
- Proposal approved by the BoG.
 - Petition submitted to the President by a minimum of 100 Members.
- 8.1.2 Procedure on Proposals** – Proposed amendments to the Constitution require two-thirds majority vote of all the voting members of the BoG. Amendments are subject to the approval of the IEEE Vice President, Technical Activities, in accordance with the guidelines set forth in the TAB Operations Manual. After such approval, the proposed amendment shall be published in the Society magazine, or sent to the membership via email or eNewsletter. The amendment becomes effective

unless one percent or more of the membership objects in writing to the designated IEEE office within 60 days of publication.

8.1.3 Procedure on Petitions – When a petition for a proposed amendment is submitted, the BoG shall prepare a summary statement and a recommendation for or against adopting the amendment. Summary statements and recommendations require a two-thirds majority vote of all the voting members of the BoG. The petition, summary statement, and recommendation shall be subject to approval by the IEEE Vice President, Technical Activities, in accordance with the guidelines set forth in the TAB Operations Manual. After such approval, the proposed amendment shall be published in the Society magazine, or sent to the membership via email or eNewsletter. The amendment becomes effective unless one percent or more of the membership objects in writing to the designated IEEE office within 60 days of publication.

8.1.4 Objections – If one percent or more objects, a ballot with the proposed amendment shall be mailed or emailed to all voting members of the Society. A return date of at least 60 days shall be allowed. Proposed amendments require a two-thirds majority of the returned ballots for approval.

8.1.5 An amendment shall become effective 60 days after all necessary approvals and notifications.

8.2 Bylaws

8.2.1 Approval of amendments to the Bylaws at a BoG meeting shall require a two-thirds vote of BoG members in attendance, provided a quorum is present.

8.2.2 Approval of amendments to the Bylaws without a meeting shall require a two-thirds majority vote of all the voting members of the BoG.

8.2.3 Bylaws amendments are subject to the approval of the IEEE Vice President, Technical Activities, in accordance with the guidelines set forth in the TAB Operations Manual. After such approval, the amendment shall be published in the Society magazine or sent to the membership via email or eNewsletter.

IEEE COMMUNICATIONS SOCIETY BYLAWS

Approved December 2004; Amended 5/2005, 12/2005, 10/2006, 12/2006, 6/2007, 5/2008, 12/2008, 6/2009, 12/2009, 12/2010, 01/2011, 01/2011, 12/2011, 04/2012, 09/2013, 04/2014, 07/2015, 12/2015, 08/2017, 04/2018, 06/2019, 04/2020

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ARTICLE 1 – OBJECTIVES

- 1.1 Objectives – The objectives of the Society are to provide its members and the global community of communications professionals with the services outlined in Clauses 1.2, 1.3, and 1.4.
- 1.2 Technical Information
 - Creation via research and innovation in the IEEE Communications Society community
 - Identification and promotion of hot topics
 - Worldwide dissemination via publications, presentations, and electronic media

- Exchange via Chapter activities, workshops, discussions, mutual assessments, general networking on technical subjects, and other means of professional communication
 - Facilitation of standards activities
- 1.3 Education (basic and continuing)
- Tutorials, short courses, lecture programs
 - Chapter support and other delivery mechanisms
- 1.4 Professional Services
- Personal career growth by providing technical and personal development information
 - Job opportunity benefits through inter-personal networking and facilitation of interactions among members
 - IEEE programs

ARTICLE 2 – MEMBERSHIP

- 2.1 Availability of membership in the Society is specified in the Constitution.
- 2.2 Categories of Society membership shall be in accordance with IEEE Bylaws. A member's grade within the Society shall be the same as that member's IEEE grade.
- 2.3 Members who hold the grade of Graduate Student Member, Member, Life Member, Senior Member, or Fellow in the IEEE shall have all the rights and privileges of membership within the Society unless otherwise specified in these Bylaws.
- 2.4 Student Members and Affiliates shall have all the rights and privileges of membership within the Society except for the right to vote on matters presented to the Society membership and the right to hold office. Associate Members shall have all the rights and privileges of membership within the Society, except the right to hold office.
- 2.5 A Society member who is delinquent in paying Society dues shall be dropped from membership according to IEEE procedures. A former member may reinstate membership upon payment of current dues.

ARTICLE 3 – OFFICERS AND OPERATIONS

3.1 All officers (elected and appointed) of the Society shall be members of the Society (Graduate Student level or higher). In addition, all voting members of all Society assemblies (including Technical Committees and Industry Communities) and Society Representatives shall be members of the Society (Graduate Student level or higher). The President-Elect and Vice Presidents (VPs) shall be Senior Members or Fellows of the IEEE.

3.2 Elected Officers

3.2.1 President-Elect, Vice President-Technical and Educational Activities (VP-TEA), Vice President-Publications (VP-PUB), Vice President-Conferences (VP-CON), Vice President-Member and Global Activities (VP-MGA), IEEE Division III Delegate(s)/Director(s)-Elect, and Members-at-Large of the BoG are elected by direct vote of the voting Members of the Society.

- President-Elect shall be elected in even-numbered years, and Vice Presidents in odd-numbered years.
- One-third of the total (12) Members-at-Large shall be elected annually.
- When an elected officer, except the President-Elect, is elected to another Society position, that officer shall resign from the former position upon taking the new office.
- When an elected officer is elected to the position of President-Elect, that officer may continue to hold the current position until the conclusion of its term or upon entering the position of President, whichever comes first.

3.2.2 Terms of Office

- The President-Elect shall serve a one-year term the year following the election to President-Elect (odd-numbered), then begin a two-year term as President the following year (even-numbered), and then continue for a one-year term (even-numbered) as Past President.
- Vice Presidents shall serve two-year terms beginning in the even-numbered year following their election.
- Members-at-Large shall serve a three-year term beginning the year following their election.

3.2.3 Eligibility for Re-election

- The President-Elect shall serve only one term.

- Vice Presidents may be re-elected to the same office for a second consecutive two-year term but are further ineligible for that office until the lapse of one year.
- A member shall be ineligible for a Vice President-level position after being elected for a total of any four vice-presidential terms, consecutive or otherwise.
- Members-at-Large may be re-elected as Members-at-Large for a second consecutive term but are further ineligible for that office until the lapse of one year.

3.2.4 Absence or Incapacity of:

- President – Duties shall be performed by the President-Elect (odd-numbered years)/Past President (even-numbered years) and then by the Vice President-Technical and Educational Activities, Vice President-Publications, Vice President-Conferences, and Vice President-Member and Global Activities, in that order.
- President-Elect – The term shall be filled by the Past President, who shall continue in that capacity until a special election is held and a new President-Elect is chosen.
- Past President – The term shall be filled by the VP-Technical and Educational Activities and then by the Vice President-Publications, Vice President-Conferences, and Vice President-Member and Global Activities, in that order.
- Vice President – Individuals shall be identified from the appropriate candidate group slate, in the sequence of the number of votes received, and the individual receiving the highest number of votes shall be automatically appointed to serve the remainder of the elected term.
- Member-at-Large – Individuals shall be identified from the same regional slate as the candidate being replaced, in the sequence of the number of votes received, and the individual receiving the highest number of votes shall be automatically appointed to serve the remainder of the elected term. If none of these individuals can serve, the vacancy shall be filled by action of the BoG upon proposal by the President; a person filling a position in this manner shall serve for the remainder of the elected term.

3.2.5 Removal from Office. A Society Officer elected by the voting members of the Society may be removed from office, with or without cause, as follows:

- By a two-thirds majority vote of the BoG, or
- By a vote of the voting members of the Society within thirty days following the receipt by IEEE of a petition signed by at least 10% of the total number of voting members of the Society moving for the removal of such individual. A ballot on such motion shall be submitted to the voting members of the Society. If a majority of the ballots cast by the voting members for or against such motion are to remove such individual, the individual shall be removed from such positions.

3.2.6 Vacancies. If an elected position is vacated before the full term is completed, the position shall be filled as specified in Bylaw 3.2.4.

3.3 Appointed Officers

3.3.1 The Society appointed Officers shall be:

- Chief Information Officer (CIO) – Oversees cost-effective planning, acquisition, maintenance and use of the Society’s information systems and networking, databases and telecommunications services.
- Chief Marketing Officer (CMO) – Oversees the Society’s marketing initiatives across multiple platforms and media driving ComSoc quality, engagement, and brand consistency.
- Directors – Each Director chairs a Board and serves in the Council to which the Board reports.
 - A Regional Director shall be appointed as specified in Clause 3.3.2 from a list containing at least two candidates from each region submitted by the respective Regional Board before November 1 of odd-numbered years. If the respective Board does not submit its list by this deadline, the President-Elect shall propose the appointment in consultation with the VP-MGA Elect, as specified in Clause 3.3.2.
- Society Parliamentarian – The role of the Society Parliamentarian shall be strictly limited to giving advice to the Chair during BoG and OpCom meetings and, when requested or needed, to any other Society assembly Chairs and members. It is also the duty of the Society Parliamentarian to advise the Chair of potential actions that could affect the substantive rights of any member or may otherwise do harm. The Chair has the duty to make the final ruling and therefore may follow the advice of the Parliamentarian or disregard it. The Society Parliamentarian also has the same duty as the presiding officer to maintain a position of impartiality

and, differently from other non-voting officers, shall not be allowed to make/second motions or participate in debate.

- Standing and Ad Hoc Committee Chairs
- Treasurer – Is responsible for assuring sound financial practices, establishing prudent budgetary policies, overseeing preparation and presentation of the Society's budget and working with IEEE on financial matters.

- 3.3.2 The appointment of Treasurer, CIO, CMO, Parliamentarian, Directors, and Standing Committee Chairs shall be proposed for BoG approval by the President-Elect in consultation with the VP-Elect (if any) with whom the position is associated, except for those positions which are held ex-officio as specified in these Bylaws. Such appointment proposal shall be approved by the outgoing BoG at a meeting (regular or special) in an odd-numbered year.
- 3.3.3 The appointment of Chairs of Ad Hoc Committees rests with the President.
- 3.3.4 All Society appointed Officers shall be appointed for not more than two consecutive terms for the same position. After two consecutive terms as an appointed Officer, the volunteer shall not be eligible to serve in the same position until the lapse of two terms from the end of their last term. All Society appointed Officers shall serve for the nominal term of the President unless otherwise specified in these Bylaws.
- 3.3.5 For each appointed BoG position, there shall be documentation attesting that an earnest effort was made to identify a diverse set of qualified candidates and that no discrimination was made pursuant to IEEE Policy 9.26. The process for preparing and submitting the Diversity Efforts documentation shall be outlined in the Society P&Ps.
- 3.3.6 Removal from Office – An appointed Society Officer or Board/Committee member may be removed from office, with or without cause, by (i) a 2/3 majority vote of the appointing assembly or (ii) the individual(s) who hold(s) the office that made the appointment.
- 3.3.7 Vacancies – In the event that an appointed officer position is vacated before the full term is completed, the position shall be filled by action of the BoG upon recommendation by the President. In filling vacancies for unexpired terms, an appointed officer who has served more than half a term in an office is considered to have served a full term.

3.4 Members of ComSoc Assemblies

- 3.4.1 For those appointed as voting members (with the exception of the Chair) of ComSoc Boards or Standing Committees as listed in these Bylaws:
- the maximum consecutive terms of service in the same position shall be two;
 - the maximum number of consecutive years in any position of that assembly shall be six.
- 3.4.2 Vacancies – In the event that an appointed assembly member position is vacated before the full term is completed, the position shall be filled in the same manner as the original appointment as defined in these Bylaws. In filling vacancies for unexpired terms, an assembly member who has served more than half a term in a position is considered to have served a full term.

ARTICLE 4 – ELECTED OFFICER RESPONSIBILITIES

4.1 President, President-Elect, and Past President Responsibilities

- 4.1.1 In the odd-numbered years, the President-Elect shall assist the President in discharging the responsibilities of that office. In the even-numbered years, the Past President shall assist the President in taking on the responsibilities of that office.
- 4.1.2 The President-Elect shall start the selection process for the Society appointed Officers specified in Clause 3.3.
- 4.1.3 The President shall appoint Officers as needed in consultation with the appropriate VP and with BoG approval, as specified by the Society governing documents.
- 4.1.4 The President shall inform the BoG of the roster of all Boards and Standing Committees as soon as they are finalized and before the first BoG meeting following the start of the President's term.
- 4.1.5 The President is the highest-ranking volunteer officer of the Society. The President is responsible for leading the implementation of strategic actions and directions set by the ComSoc BoG. The President, or a President's delegate, represents the Society in negotiations with Sister Societies and other similar organizations.
- 4.1.6 The President shall oversee and coordinate handling of ethics and conduct issues involving members, including author misconduct, at the Society level. The President shall be assisted by the Society Executive Director and by volunteers with experience in such matters, as needed.

4.1.7 The President shall keep the BoG informed of openings in IEEE leadership positions, solicit from the BoG recommendations for candidates which may also be conveyed directly to IEEE, and encourage ComSoc members to volunteer for such IEEE positions.

4.2 Vice Presidents – Responsibilities

4.2.1 Vice Presidents are accountable for activities in their areas of responsibility. Each VP chairs a Council and represents that Council in the BoG.

4.2.2 Vice President – Technical and Educational Activities is responsible for all technical activities and educational services within the Society, including standardization activities. The VP-TEA shall also be responsible for promoting technical activities of interest to academia, industry, government, and standards stakeholders, including scientists, industrial researchers, practitioners, managers, executives, young professionals, and other professionals.

The following Boards and Standing Committees report to the Council chaired by this Vice President:

- Educational Services Board
- Industry Communities Board
- Standardization Programs Development Board
- Standards Development Board
- Technical Committees Board
- Communications History Standing Committee
- Distinguished Lecturers’ Selection Standing Committee
- Emerging Technologies Standing Committee
- Technical Committees/Industry Communities Recertification Standing Committee

4.2.3 Vice President – Publications is responsible for all activities of the Society related to print and electronic products, such as journals, magazines, and online offerings. The following Boards report to the Council chaired by this Vice President:

- Journals Board
- Magazines Board
- Online Content Board

4.2.4 Vice President – Conferences is responsible for all aspects of technical conferences, workshops, and professional meetings, including conference publications. The following Boards and Standing Committees report to the Council chaired by this Vice President:

- Conference Development Board
- Conference Operations Board

- GLOBECOM/ICC Management & Strategy Standing Committee
- GLOBECOM/ICC Technical Content Standing Committee

4.2.5 Vice President – Member and Global Activities is responsible for: i) all activities, services and programs associated with members and chapters, and oriented to membership retention, development, and marketing in the four regions; ii) all activities related to the organization and management of chapters; iii) relations with other IEEE and professional societies worldwide; and iv) in collaboration with TEA, fostering and implementing technical activities and services that are of interest to academia, industry, government, and standards stakeholders, including scientists, industrial researchers, practitioners, managers, executives, young professionals, and other professionals.

The following Boards and Standing Committees report to the Council chaired by this Vice President:

- Industry Outreach Board
- Member Services Board
- Asia/Pacific Region Board
- Europe, Middle East & Africa Region Board
- Latin America Region Board
- North America Region Board
- Women in Communications Engineering Standing Committee
- Young Professionals Standing Committee

4.3 Members-at-Large (MaLs) – Responsibilities

4.3.1 Members-at-Large represent all Society members in the conduct of Society business, reviewing, discussing, proposing, and acting upon a wide range of items affecting the Society.

4.3.2 Members-at-Large are responsible for:

- Attending and actively participating in regular and special meetings of the Board of Governors and OpCom (if appointed).
- Preparing for all meetings to facilitate discussion and required decisions.
- Making themselves available to Society members for dialog regarding Society issues.
- Sharing with other BoG members questions/concerns/suggestions that are conveyed to them by Society members.

ARTICLE 5 – THE BOARD OF GOVERNORS (BoG)

- 5.1 As stated in the ComSoc Constitution, the Society shall be governed by the BoG. The BoG shall have primary fiduciary responsibility for the Society and shall set Society policy.
- 5.2 Officers on the BoG:
- Elected Officers (Voting):
 - President (BoG Chair)
 - President-Elect (odd-numbered years only)
 - Immediate Past President (even-numbered years only)
 - Vice Presidents
 - Members-at-Large
 - IEEE Division III Delegate/Director
 - IEEE Division III Delegate/Director-Elect (odd-numbered years only)
 - Ex-Officio Officers (Non-voting):
 - Directors
 - Chief Information Officer
 - Chief Marketing Officer
 - Parliamentarian
 - Treasurer
 - Society Executive Director (BoG Secretary)
- 5.3 The BoG shall hold at least two regular in-person meetings annually. Normally, these meetings shall be held at ICC and GLOBECOM.
- 5.4 Special BoG meetings may be held at the request of the President or any four members of the BoG. Notice of such special meetings, giving the meeting type (in-person or teleconference), attendance details (time and place or dial-in information), the purpose of the meeting, and the names of the BoG members calling the meeting, shall be sent to the BoG not less than 21 days (for in-person meetings) or 2 days (for teleconference meetings) before the date set for the start of the special meeting.
- 5.5 Each year, the President, Vice Presidents, and Society Executive Director shall submit the coming year’s Operating Plans to the BoG. Progress on these plans shall be reviewed throughout the year by the BoG.

ARTICLE 6 – THE OPERATING COMMITTEE (OpCom)

- 6.1 OpCom shall be a standing committee of the BoG and its P&Ps shall be included in the Society P&Ps.
- 6.2 OpCom’s role is to oversee the implementation of the Society’s strategic plans including establishing priorities and guidelines for execution.
- 6.3 Between BoG meetings, OpCom conducts business on behalf of the BoG and is comprised of a subset of the BoG members. OpCom approved actions shall become effective immediately if within the scope of the

delegations assigned by the BoG to OpCom. Actions not within such delegation shall be submitted to the BoG for approval in the consent agenda or for further consideration at its next meeting. If four voting members of the BoG wish to rescind a motion approved at OpCom, they shall notify the BoG within one week from the distribution of the list of motions passed at the OpCom meeting. In such case, execution of the OpCom motion shall be delayed until the matter is discussed and voted upon at a BoG special or regular meeting.

6.4 The responsibilities under the entire BoG and those delegated to OpCom shall be specified in the Bylaws. The BoG delegates to OpCom the authority to act on the matters specified below and only those:

- Authorize any action made in the areas already delegated to the various VPs/Councils and also authorize cross-area initiatives, up to the expenditure limit of \$50k.
- Prepare Operating Plans for achieving tactical objectives in the implementation of the BoG-approved strategic plans.
- Establish the priorities of Society programs and projects, as needed, in the implementation of the Society Operating Plans.
- Provide input to the goal setting and performance evaluation processes of the ComSoc Staff Executive Director through the Managing Director – Technical Activities, and propose revisions of those goals, in compliance with IEEE procedures, to achieve the Society tactical and strategic goals.
- Selects the awardee for the IEEE Communications Society Board of Governors Carole Swaim Distinguished Staff Award.

6.5 OpCom voting members shall be:

- President
- President-Elect (odd-numbered years), immediate Past President (even-numbered years)
- Vice Presidents
- BoG Members-at-Large (three) appointed as follows: each year, the President shall appoint one BoG MaL for a 3-year term chosen among the first-year MaLs.
- IEEE Division III Delegate/Director

6.6 OpCom non-voting members shall be:

- Chief Information Officer
- Chief Marketing Officer
- Treasurer
- Society Parliamentarian
- Society Executive Director

- 6.7 OpCom shall normally hold the following meetings and the OpCom P&Ps shall specify the priorities to be addressed:
- March/April (in-person)
 - July/August (teleconference)
 - September/October (in-person)
- 6.8 Special OpCom meetings may be held at the request of the President or any four OpCom members. Notice of such special meetings, giving the meeting type (in-person or teleconference), attendance details (time and place or dial-in information), the purpose of the meeting, and the names of the OpCom members calling the meeting, shall be sent to OpCom not less than 21 days (for in-person meetings) or 2 days (for teleconference meetings) before the date set for the start of the special meeting.
- 6.9 The President shall report at BoG meetings the main decisions made at previous OpCom meetings and their rationale.
- 6.10 Every three years, the BoG shall either reaffirm the existing delegations or amend them as necessary.

**ARTICLE 7 – OPERATIONS IN SOCIETY ASSEMBLIES
(BoG/Councils/Boards/Committees)**

- 7.1 A majority of the voting members of a Society assembly constitutes a quorum.
- 7.2 The vote of a majority of the members present at a meeting and entitled to vote at the time of voting, shall be the act of the Society assembly provided a quorum is present.
- 7.3 The Chair of an assembly shall have no vote except if the vote is by secret ballot or unless the Chair's vote can change the outcome of the vote.
- 7.4 A Society assembly may meet and act upon the vote of its members in person, by any means of telecommunications, or by a combination thereof. The normal voting requirements shall apply when action is taken whereby all persons participating in the meeting can hear each other and speak to each other at the same time.
- 7.5 For meetings with in-person and remote participants, remote participants who either cannot hear other participants or are not heard by other meeting participants do not meet the requirements for meeting attendance and, therefore, are not included in quorum calculations or allowed to vote.
- 7.6 Business may be conducted by means other than formally held meetings when the matter can be adequately handled via letter, electronic ballot, electronic mail interchange, etc., and procedures for transacting business in such a manner shall be specified in the Society Policies and Procedures (P&Ps). When transacting business without a meeting, a majority vote

(simple or higher, depending on the motion type) of all assembly members eligible to vote is required for actions so taken. Approved motions shall be confirmed promptly in writing or by electronic transmission and recorded in the minutes of the next meeting.

- 7.7 Minutes of a BoG and OpCom meeting shall be distributed to the BoG within 45 and 30 days of the meeting, respectively. A list of motions passed at each BoG and OpCom meeting shall be made available to the BoG within one week of the BoG/OpCom meeting.
- 7.8 Executive sessions shall be conducted according to IEEE Bylaws and Robert's Rules of Order. The Chair may appoint a secretary for taking minutes of the executive session. Executive session minutes shall be kept on file in a secure location at Society Headquarters.
- 7.9 Members of BoG and OpCom shall receive notice of their regular meetings at least 21 days prior to the scheduled meeting start date.
- 7.10 If a quorum is not present at a duly called Society assembly meeting, the only business that can be transacted and concluded within the meeting is to take measures to obtain a quorum, fix the time to which to adjourn, to adjourn, or to take a recess. Any other business shall be limited to informal discussion upon which no action shall be taken.
- 7.11 Individuals holding more than one voting position on any Society assembly shall be limited to one vote on each matter being considered by the assembly.
- 7.12 Business transacted by Society assemblies at a meeting shall be conducted according to Robert's Rules of Order (latest revision) unless other rules and procedures are specified in the Not-for-Profit Corporation Law of the State of New York, the IEEE Certificate of Incorporation, and applicable IEEE governing documents.
- 7.13 Proxy voting is not allowed.
- 7.14 Society assemblies other than the BoG and OpCom (Councils, Boards, and any Committee) shall hold regular meetings with sufficient frequency to transact Society business with reasonable dispatch.
- 7.15 Society assemblies other than the BoG and OpCom (Councils, Boards, and any Committee) may hold regular or special meetings at the request of the assembly Chair or of a number of voting members equal to the maximum between two voting members and 20% of the assembly voting members. Notice requirements for regular meetings shall be specified in the Society P&Ps. Notice for special meetings, giving the meeting type (in-person or teleconference), attendance details (time and place or dial-in information), the purpose of the meeting, and the names of the assembly members calling the meeting, shall be sent to the assembly not less than 21 days (for in-person meetings) or 2 days (for teleconference meetings) before the date set for the start of the special meeting.

- 7.16 A Management Retreat may be held annually at the discretion of the President.
- 7.17 Assembly members shall adhere to assembly decisions, unless such decisions violate IEEE or Society Constitutions, Bylaws or Policies.
- 7.18 The Ombudsman shall be the first point of contact for reporting a dispute or complaint related to Society activities and/or volunteers. The Ombudsman shall investigate, provide direction to the appropriate IEEE resources if necessary, and/or otherwise help settle these disputes at an appropriate level within the Society. The Nominations & Elections Committee shall nominate two candidates for the position of Ombudsman who are not currently on the BoG and have not been on the BoG for at least two years. The BoG shall then select one of the two candidates to serve for a two-year term beginning the second year of the President's term. The ombudsman shall report to the BoG.
- 7.19 Constitution, Bylaws, and P&Ps of the Society shall be in accordance with the IEEE Governing documents.
- 7.20 Proposed amendments to Society governing documents requiring BoG approval shall be submitted to the Governance Committee for review by the deadline set by the Governance Committee Chair in consultation with the Society President. The deadline shall be at least 30 days (but no more than 60 days) prior to the BoG meeting. The established deadline shall be announced as early as possible but no later than 30 days prior to the deadline. When appropriate, the motion shall be revised based on feedback from the Governance Committee. The Governance Committee shall submit the final version of the motion to the BoG at least two weeks prior to the BoG meeting. Additional details of this process shall be specified in the BoG P&Ps.
- Proposed amendments to Society Policies and Procedures that do not require BoG or OpCom approval shall be approved by the appropriate assembly, then reviewed, and revised, if needed, by the Governance Committee prior to their inclusion in the Society Policies and Procedures.

ARTICLE 8 – PROFESSIONAL STAFF

- 8.1 Subject to compliance with all applicable IEEE Bylaws and Policies, the Society may create an Executive Office supported by IEEE staff. The Society's Executive Office functions to coordinate and carry out the day-to-day operations, policies and procedures concerning all aspects of the Society's business. The Office also maintains corporate memory and provides ongoing and ad hoc management reports/documents. In addition, the Society's Executive Office serves as one of the Society's primary points of contact for both members and IEEE staff.

- 8.2 Subject to compliance with all applicable IEEE Bylaws and Policies, the Society may determine the budget for the Executive Office. The staff is hired by the IEEE and all conditions of employment shall be based upon IEEE Bylaws, staff policies and practices and all applicable laws and regulations. Office organization, job descriptions, IEEE staff policies and employment practices are available from the IEEE Human Resources Department.
- 8.3 The Society Executive Director is the most senior position on the IEEE staff that supports the Society, and as such, he/she manages and develops, personally and through subordinate management staff, the paid IEEE staff members that support the Society's operations and activities. The Society Executive Director supports the Society President, officers and volunteer leadership to achieve the Society goals. This Society Executive Director reports through the Managing Director, Technical Activities, to the IEEE Executive Director.
- 8.4 The Society Executive Director serves as BoG/OpCom secretary, assisted by staff members as needed.

ARTICLE 9 – COUNCILS

- 9.1 Councils are chaired by Vice Presidents to address Technical and Educational Activities, Publications, Conferences, and Member and Global Activities. Directors of Boards and Chairs of Standing Committees reporting to a Council shall be ex-officio voting members of that Council together with the Council Chair. Additional voting members may be specified in the Council description clause 9.4, and their term shall be concurrent with the nominal term of the President.
- Vice Presidents should appoint a Council Vice Chair chosen among the Council voting members and may also appoint additional non-voting members as needed. Councils may approve voting rights for these additional members, with the approval of the BoG.
- 9.2 Council P&Ps are developed by the Council and approved by the BoG.
- 9.3 Councils may be established or dissolved by a two-thirds majority vote of the BoG. The scope, responsibilities, and P&Ps of a new Council shall be defined before incorporating it into the Bylaws.
- 9.4 The following Councils shall be formed:
- 9.4.1 Technical and Educational Activities Council (TEA-C) – This Council is responsible for the educational and technical interests of the Society, encompassing the broad range of communications and communications-related technical areas. The Vice Chair of the Council shall be the Distinguished Lecturer Selection Committee Chair.
- 9.4.2 Publications Council (PUB-C) – This Council is responsible for the needs of the Society and Society Members related to print

and electronic projects, such as journals, magazines, TC-edited Newsletters and similar publications, and online offerings, not including conference publications.

- 9.4.3 Conferences Council (CON-C) – This Council is responsible for the needs of the Society and Society Members related to technical conferences, workshops, and professional meetings. Additional voting members of the CON-C shall be the voting members of the Boards reporting to this Council.
- 9.4.4 Member and Global Activities Council (MGA-C) – This Council is responsible for all Society activities and programs related to members, chapters, membership development, and Society regions.

ARTICLE 10 – TECHNICAL COMMITTEES AND INDUSTRY COMMUNITIES

10.1 Technical Committees (TCs)

- 10.1.1 Technical Committees are established to promote technical activities in the fields of interest of the Society and to position ComSoc as the leading technical organization for communication professionals. Technical Committees shall also support Society technical activities in the areas of conferences, publications, standards, education, and history. TCs report to the Technical Committees Board.

Technical Committees shall have at least a Chair, Vice-Chair, and a Secretary and all shall be elected by the TC membership. TC membership shall be defined in the Technical Committees Board P&Ps.

Technical Committees may have Subcommittees and Special Interest Groups (SIGs). Chairs of Subcommittees and SIGs shall be appointed by the TC Chair. Further details on the role and responsibilities of TCs and SIGs shall be specified in the Technical Committees Board P&Ps.

- 10.1.2 Technical Committees may be created, merged, modified, recertified, or dissolved by resolution of the TEA-C, as necessary to ensure the continued relevance and effectiveness of the Society TCs. Proposals to create/merge/modify/dissolve TCs shall be sent to the VP-TEA for consideration and approval by the TEA-C. In the case of proposals for creating new TCs, a petition to the Technical Committees Board by 25 Society members can also be made. Proposals shall include the name, scope, tentative program for the first year, and approximate numbers of interested and potential members.

- 10.1.3 Technical Committees shall have P&Ps which shall include officer positions and election procedures and they shall conform to the template specified in the Technical Committees Board P&Ps. P&Ps shall be developed by the Technical Committee and approved by the Technical Committees Board.
- 10.1.4 The Chair of a new Technical Committee is appointed for two years by the Director - Technical Committees with the approval of the VP-TEA. During this period, a mentor is assigned to the Technical Committee by the Director of Technical Committees. Subsequently, the Chair shall be elected by the members of the Technical Committee.
- 10.1.5 Elections for Technical Committee Chairs are held every two years for a two-year term. A Chair cannot serve more than two consecutive terms of office.
- 10.2 Industry Communities (ICs)
- 10.2.1 Industry Communities are established to cover substantial and diverse topical areas of current industry interests and report to the Industry Communities Board (ICB).
- 10.2.2 Proposals to create/merge/modify/dissolve ICs shall be sent to the VP-TEA for consideration and approval by the TEA-C.
- 10.2.3 Industry Communities shall develop P&Ps which shall include scope and responsibilities, officer positions, and election procedures. Industry Communities P&Ps shall conform to the template specified in the Society P&Ps and shall be approved by the ICB.

ARTICLE 11 – BOARDS

- 11.1 Boards are the operational and strategic entities of their respective Councils and are chaired by Directors. Boards shall report to Councils as specified below:
- Conferences Council (CON-C)
 - Conference Development Board
 - Conference Operations Board
 - Member and Global Activities Council (MGA-C)
 - Industry Outreach Board
 - Member Services Board
 - AP Region Board
 - EMEA Region Board
 - LA Region Board
 - NA Region Board
 - Publications Council (PUB-C)
 - Journals Board
 - Magazines Board

- Online Content Board
- Technical and Educational Activities Council (TEA-C)
 - Educational Services Board
 - Industry Communities Board
 - Standardization Programs Development Board
 - Standards Development Board
 - Technical Committees Board

11.2 Directors are responsible for appointing members to their Boards, with the approval of the appropriate Vice President.

Board membership and members' terms shall be defined in the Bylaws, in the Board's description. Unless otherwise specified in the "Board Descriptions," all Board members (ex-officio or not), including the Director, shall be voting members and shall serve two-year terms concurrent with the nominal duration of the presidential term.

In addition to the members specified in the "Board Descriptions" Clause, Directors may appoint additional non-voting members as needed. Boards may approve voting rights for these additional members, with the approval of the VP under which the Board is aligned. Directors should appoint a Board Vice Chair chosen among the Board voting members.

11.3 P&Ps for each Board shall be developed by the Board and approved by the Council to which the Board reports. In the case that the Council does not approve the P&Ps and a compromise cannot be found, the Board may request the BoG to resolve the matter and approve the P&Ps. An exception exists for the Standards Development Board P&Ps and those of the Standards Committees reporting to the Standards Development Board which shall be approved by the IEEE-SA Standards Board.

11.4 Boards may be established or dissolved by a two-thirds majority vote of the BoG. The scope, responsibilities, and P&Ps of a new Board shall be defined before incorporating it into the Bylaws.

11.5 The following Boards shall be formed:

11.5.1 Conference Development – This Board is responsible for the strategic planning, technical scope, and growth of all conferences financially sponsored or co-sponsored by ComSoc (namely, Portfolio Conferences).

Members include representatives from the TEA-C and at least four Members-at-Large with at least one having served as the Technical Program Committee Chair and at least one as the General Chair of a major conference.

11.5.2 Conference Operations – This Board is responsible for the oversight and management of the operational, publications,

and financial aspects of all conferences financially sponsored or co-sponsored by ComSoc (namely, Portfolio Conferences).

Member include the ComSoc Treasurer and at least five Members-at-Large with at least two having served as the General Chair and at least one as the Technical Program Chair of a major ComSoc conference.

- 11.5.3 Educational Services – This Board is responsible for the oversight of all Society education and training activities, including administration of the Society’s programs on continuing education, incorporating tutorials, short courses, lectures, etc. In particular, this Board is responsible for developing and maintaining continuing professional education and training programs, while striking a balance between generating revenue, supporting outreach efforts, and providing services to members.

Members include representatives from the Technical Committees, Conference Development, Conference Operations, Industry Outreach and Member Services Boards, and at least two Members-at-Large.

- 11.5.4 Industry Communities - This Board is responsible for developing and promoting a strategic vision and oversight for organizing and promoting internal ComSoc communities that are attractive to members from industry, government, or other non-academic sectors. This includes processes to assure the quality and value of content in industry-oriented conferences, events, education, and publications. It is within the overall objective and mission of the Industry Communities Board to increase industry membership and participation in ComSoc activities.

Voting members of this Board are the Director and 4-to-6 Members at Large. The Director of this Board shall give priority to the Chairs of Industry Communities to serve as voting members on the Industry Communities Board. Other Industry Community chairs shall be non-voting members of the Industry Communities Board.

- 11.5.5 Industry Outreach – This Board is responsible for assuring a comprehensive and cost-effective outreach program of Society products and services to industry and governmental communities. It is also responsible for developing liaisons with communications and networking related enterprises to promote ComSoc products and services and to attract industry and government leaders into ComSoc’s volunteer community.

Members include a representative from each of the following assemblies: Industry Communities Board, Technical

Committees Board, Educational Services Board, PUB-C, CON-C, Standardization Programs Development Board, and MGA-C. In addition, up to four Members-at-Large may be appointed by the Director to represent external industrial and governmental interests.

- 11.5.6 Journals – This Board is responsible for the oversight of Society journals. Board members are the Editors-in-Chief of Society journals (ex-officio) for which ComSoc is the Managing Partner and/or has a majority financial stake, and up to two Members-at-Large, in addition to the Director.
- 11.5.7 Magazines – This Board is responsible for the oversight of Society magazines. Board members consist of the Editors-in-Chief of Society magazines (ex-officio) and up to two Members-at-Large, in addition to the Director.
- 11.5.8 Member Services – This Board is responsible for the oversight of all services and programs addressed to members and chapters, and oriented to membership retention and development in the four regions. In particular, this Board is responsible for developing and providing individual-level membership services globally.
- Members include the four Regional Directors plus one member per Region selected by the Director from a list of candidates, consisting of at least two names per region, submitted by each Regional Director.
- 11.5.9 Online Content – This Board is responsible for initiating, assessing, and overseeing Society online content. It supports Technical Committee activities; online services; as well as publications, conferences, and education products and services.
- Members include representatives from the Conference Development, Conference Operations, Educational Services, Journals, and Magazines Boards; the TEA, and MGA Councils; the CIO; and up to three additional Members-at-Large.
- 11.5.10 Regional Boards – These Boards are responsible for stimulating, coordinating, and promoting the activities of ComSoc members and chapters throughout the IEEE regions. The four regions, each with its own Board, are:
- Asia/Pacific (AP)
 - Europe, Middle East & Africa (EMEA)
 - Latin America (LA)
 - North America (NA)

Each Board shall have a minimum of five members, in addition to the Director.

- 11.5.12 Standardization Programs Development – This Board is responsible for launching pre- and post-standardization technical activities, not restricted to those standards being developed by the IEEE. These would include, but not be limited to Research Groups that lead to the discovery of standardization opportunities and, for completed standards, creation of follow-up programs, such as compliance testing, standards education, workshops, conferences, and publications on technical issues that are relevant to standards.

The Board shall consist of up to eight members in addition to the Director. The Director of the Standardization Programs Development Board serves as the liaison to the IEEE-SA Industry Connections Program. The Vice President – Technical and Educational Activities shall be an ex-officio voting member of the Standardization Programs Development Board.

- 11.5.13 Standards Development – This Board is responsible for the promotion and advancement of communications standards.

In addition to the Director, the number of voting members on this board shall be equal to or less than the number of the Standards Committees created by COM/SDB plus up to five Members-at-Large. The Director shall appoint members to serve giving priority first to the Chairs of the Standards Committees created by COM/SDB and then to ComSoc volunteers with current or recent IEEE standards experience.

The Director shall be the official ComSoc liaison to the IEEE Standards Association Standards Board (SASB). The Vice President – Technical and Educational Activities shall be an ex-officio voting member of the Standards Development Board.

- 11.5.14 Technical Committees – This Board is responsible for the oversight and promotion of the technical committees of the Society and their activities including the promotion of technical content and the support of technical activities across the Society.

Members include Technical Committee Chairs, Chair of the Emerging Technologies Committee, Chair of the Technical Committees Recertification Committee, and a representative of the Educational Services Board. The GITC Chair shall be a non-voting member of this Board.

ARTICLE 12 – STANDING COMMITTEES

- 12.1 Standing Committees shall report to the BoG or a Council as specified below:

- Awards BoG

• Fellow Evaluation	BoG
• Finance	BoG
• Governance	BoG
• Information Technology	BoG
• Marketing Committee	BoG
• Nominations & Elections	BoG
• Operating (OpCom)	BoG
• Operations & Facilities	BoG
• Strategic Planning	BoG
• Technology Evolution & Initiatives	BoG
• GLOBECOM/ICC Management & Strategy	CON-C
• GLOBECOM/ICC Technical Content	CON-C
• Women in Communications Engineering	MGA-C
• Young Professionals	MGA-C
• Communications History	TEA-C
• Distinguished Lecturers' Selection	TEA-C
• Emerging Technologies	TEA-C
• Technical Committees/Industry Communities Recertification	TEA-C

12.2 Standing Committee Chairs shall be responsible for appointing Standing Committee members with the approval of the sitting Society Officer chairing the BoG/Council to which the Standing Committee reports.

Unless otherwise specified in the “Standing Committee descriptions” Clause, all Standing Committee members (ex-officio or not), including the Chair, shall be voting members and shall serve a two-year term concurrent with the nominal duration of the presidential term.

Committee membership and members’ terms shall be defined in the Bylaws, in the Committee’s description. In addition to the voting members specified in the “Standing Committee Descriptions” Clause, Standing Committee Chairs may appoint additional non-voting members as needed. Standing Committees may approve voting rights for these additional members, with the approval of the VP (under which the Committee is aligned) or the BoG (for standing committees reporting to the BoG). Standing Committee Chairs should appoint a Vice Chair chosen among the Standing Committee voting members. For Standing Committees reporting to the BoG, the Chair should also appoint a BoG-liaison to represent the Standing Committee on the BoG; the BoG-liaison should be chosen among the Standing Committee voting members who are also BoG members.

- 12.3 P&Ps of Standing Committees shall be developed by the Standing Committee and approved by the BoG/Council to which the Standing Committee reports. In the case that a Council does not approve the P&Ps of a Standing Committee and a compromise cannot be found, the Standing Committee may request the BoG to resolve the conflict and approve the P&Ps.
- 12.4 Standing Committees may be established and dissolved by a two-thirds majority vote of the BoG. The scope, responsibilities, and P&Ps shall be defined before incorporating the new Standing Committee into the Bylaws.
- 12.5 The following Standing Committees shall be formed:
- 12.5.1 Awards – This Committee is responsible for all major awards and recognitions made or proposed by the Society. It consists of not less than twelve (12) members who shall serve for a three-year term. One-third of the members are appointed each year. Committee members may not provide nominations or reference letters while in office, nor participate in deliberations on awards or recognitions for which they may be under consideration.
- 12.5.2 Communications History – This Committee is responsible for identifying, placing in electronic archives, and raising public awareness through all appropriate means of the most important facts, people, and achievements of communications history, as well as telecommunications milestones in general. The Committee consists of three members who shall serve a three-year term, with one member appointed each year.
- 12.5.3 Distinguished Lecturers’ Selection – This Committee is responsible for establishing selection criteria and for the appointment of lecturers. Members of this Committee shall be the VP-TEA, VP-MGA, the Director-Member Services, and the Chair of the Emerging Technologies Committee.
- 12.5.4 Emerging Technologies – This Committee is responsible for identifying, describing, and nurturing new technology directions, recommending new programs, and nurturing potential Technical Committees for formal proposal to the VP-TEA. This Committee shall collaborate with the Technical Committees in promoting technical activities in support of academia and industry in the areas of the Society’s Emerging Technology Initiatives.

The Chair shall be chosen among the members of the Strategic Planning Committee with the recommendation of the VP-TEA-Elect, as specified in Clause 3.3.2. Standing Committee members shall include at least one more member from the Strategic Planning Committee. The Committee shall have six

members appointed for three-year terms with one-third appointed each year. In addition, the Editor-in-Chief of *IEEE Communications Magazine* and the Editor-in-Chief of *IEEE Journal of Selected Areas in Communications* are ex-officio voting members of the Committee.

- 12.5.5 Fellow Evaluation – This Committee is responsible for the Society's technical evaluation of Fellow nominations being considered by the IEEE Fellow Committee. It consists of a Chair and 18 members and all are voting members. The Chair shall serve a term of two years, concurrent with the nominal term of the President, and the Committee members shall serve three-year terms with one-third of the members being appointed each year. Non-voting members shall not be appointed to the committee. The Chair and committee members shall be IEEE Fellows and Members of the Society.
- The Chair and the Vice Chair (if any) shall be appointed by the BoG upon recommendation of the President-Elect. The ComSoc FEC Chair should preferentially be selected among current or recent committee members. Eligibility criteria for members of the ComSoc FEC are specified in the Operations Manual of the IEEE Fellow Committee.
 - Committee members shall be appointed by the Chair with the concurrence of the President. In appointing voting members, due attention should be given to ensuring broad diversity with respect to factors such as technical field of expertise, geographic location, professional affiliation, gender, and nomination category under which the members were elevated to Fellow grade.
 - As specified in the Operations Manual of the IEEE Fellow Committee, the Chair shall not serve for more than two consecutive years and members (including Vice Chairs, if any) shall not serve for more than three consecutive years. Any member shall not serve for more than five consecutive years, regardless of the position held.
 - As specified in the Operations Manual of the IEEE Fellow Committee, by January 31st of each year, the President shall inform the IEEE Fellow Committee Chair, Vice Chair, and the Fellow Activities Staff of: (a) the name of the ComSoc FEC Chair, and (b) the complete roster of the ComSoc FEC.
- 12.5.6 Finance – This Committee is responsible for facilitating the Society's budget process and for managing and providing

direction in all aspects of Society financial matters. The Committee meets twice a year at ICC/GLOBECOM. The ex-officio Chair shall be the Society Treasurer. Committee members shall be the President, Past President or President-Elect, Vice Presidents, CIO, and the OpCom representative from each Member-at-Large class. The President, upon recommendation of the Treasurer, may appoint up to two additional voting members, who shall be ComSoc Members and shall not be sitting members of the BoG. The additional members shall serve three-year staggered terms with one reappointment allowed. The Society Executive Director and the Society Staff Finance Director shall be ex-officio non-voting members of the Committee.

- 12.5.7 GLOBECOM/ICC Management and Strategy (GIMS) – This Committee is responsible for the successful conduct, strategic evolution, and policies of the IEEE Global Communications Conference (GLOBECOM) and the IEEE International Conference on Communications (ICC). Members of the GIMS Committee shall be the Chair, three Members-at-Large, three past members of an ICC or GLOBECOM Organizing Committee, and the GITC Committee Chair.
- 12.5.8 GLOBECOM/ICC Technical Content (GITC) – This Committee is responsible for providing strategic vision and management of the technical content of GLOBECOM and ICC to guarantee timeliness and the highest level of technical content quality.
- The GITC Chair shall be appointed as in Clause 3.3.2, and in consultation with both the VP-CON-Elect and the VP-TEA-Elect. GITC members shall be appointed by the GITC Chair in consultation with the VP-CON and the VP-TEA. GITC members shall be: the Chair, two Members-at-Large, three past ICC or GLOBECOM Technical Program Chairs, and the GIMS Committee Chair. The Director of Technical Committees shall be an ex-officio non-voting GITC member. The GITC Vice-Chair shall be appointed from among the voting members by the GITC Chair in consultation with the VP-CON and the VP-TEA.
- 12.5.9 Governance – This Committee is responsible for all matters related to Society Governance, including but not limited to: reviewing any proposed amendment to Society governing documents (Constitution, Bylaws, P&Ps) prior to discussion in the BoG; crafting amendments to Society governing documents that result from actions of the BoG; establishing Society-wide Governance best practices and overseeing their application across all Councils, Boards, and Committees; upon request or when needed proposing changes to existing Society governing documents with the goal of keeping them current and

consistent; and serving as an interpretive Committee on Governance issues.

Committee membership: Chair (appointed by the BoG upon recommendation of the President for terms beginning in odd-numbered years or upon recommendation of the President-Elect for terms beginning in even-numbered years), the Society Parliamentarian, and up to three additional members appointed by the President upon recommendation of the Committee Chair and shall include one previous ComSoc President and one sitting BoG Member at Large. The Committee Chair may appoint up to three additional voting Committee members. The Chair and Committee members (except the Parliamentarian) shall serve three-year terms with one reappointment allowed.

Terms of all members (except the Parliamentarian) shall be staggered so that no more than half of the members' terms expire every two years; when necessary, such staggering shall be created by appointing members to terms shorter than three years, as indicated at the time of their appointment.

- 12.5.10 Information Technology – The Committee is responsible for the planning and oversight of ComSoc's IT initiatives and special projects to ensure that they follow a well-developed long-term strategy, are consistent with ComSoc's mission, and meet the important needs of ComSoc. The Committee shall develop and maintain an up-to-date BoG-approved IT long-term strategic plan. The committee shall prioritize and oversee the implementation of ComSoc's IT initiatives and special projects in ways that are timely, cost effective, efficient, and compatible with the interest and evolution of ComSoc and IEEE. Inputs and requests to this committee may originate from within ComSoc or as a result of IEEE or Legal requirements.

The Chief Information Officer shall serve as the IT Committee Chair. Voting Members shall be:

- Chief Marketing Officer
- Treasurer
- 4 Members-At-Large (MAL):
 - One Member from the Conference Operations Board, appointed by the VP-CON
 - One Member from the Online Content Board, appointed by the VP-PUB
 - One Member from the Technical & Educational Activities Council, appointed by the VP-TEA
 - One member of the MGA Council, appointed by the VP-MGA

The four Members-At-Large (MAL) shall serve 3-year staggered terms. Such staggering shall be created by appointing members to terms shorter than three years, as indicated at the time of their appointment.

- 12.5.11 Marketing – This Committee oversees ComSoc’s marketing programs and is chaired by the Chief Marketing Officer. The Marketing Standing Committee works in collaboration with the Marketing staff for strategizing, planning and implementing the BoG-approved marketing plan. Responsibilities include exploration and adoption of emerging digital media; use of social platforms; the ComSoc website; creation, communication, and implementation of a strategic roadmap for innovative marketing; and related 3rd party efforts.

Committee membership is as follows: Chief Marketing Officer (Chair), one representative from each of the four Councils, and 6 Members-at-Large. The ComSoc Staff Marketing Director is an ex-officio non-voting member of the Committee. At the Chair’s discretion, a Vice Chair may be appointed from amongst the committee members.

- 12.5.12 Nominations & Elections – This Committee is responsible for recommending to the BoG candidates to fill elected Society office positions, and for the development, implementation, and supervision of election procedures. For each position, there shall be documentation attesting that an earnest effort was made to identify a diverse set of qualified candidates and that no discrimination was made pursuant to IEEE Policy 9.2.6. The process for preparing and submitting the Diversity Efforts documentation shall be outlined in the Society P&Ps. Meetings of this Committee shall always be held in Executive Session.

The Committee shall consist of the following members:

- Committee Chair (ex-officio) – Shall be the Past Past President, who shall serve for a two-year term and shall take office as Chair immediately after the nominal term of Past President has ended (the beginning of an odd-numbered year). In the event of the incapacity or conflict of interest of the Chair, the most recent Past Chair of the Nominations & Elections Committee available shall be the Chair. With extenuating circumstances, a different individual may be appointed to this position with the approval of the BoG.
- Nine Members-at-Large – Each shall be a voting member appointed by the BoG, upon recommendation of the President and the NEC Chair, for a three-year term with one-third of the members appointed each

year. At least one annual appointee shall not be a member of the BoG.

The Chair shall not be eligible to be elected to the BoG during the Chair's term of service. A Committee member may be nominated for a position only if (i) the nomination is not made by a member of the Committee, and (ii) the member resigns from the Committee prior to its first meeting of the year in which the nomination shall be made.

Individual voting members eligible to vote in an election may nominate candidates by written petition, provided such nominations are made at least 28 days before the date of the election. The number of signatures required for a petition candidate to appear on a ComSoc ballot shall be equal to what is set in the IEEE Bylaws as follows: For all positions where the electorate is less than 30,000 voting members, signatures shall be required from 2% of the eligible voters. For all positions where the electorate is more than 30,000 voting members, 600 signatures of eligible voters plus 1% of the difference between the number of eligible voters and 30,000 shall be required.

The Nominating Committee for the IEEE Division III Director shall be a separate Committee and shall operate as specified in the TAB Operations Manual.

- 12.5.13 OpCom – Between BoG meetings, OpCom conducts business on behalf of the BoG and is comprised of a subset of the BoG members. OpCom approved actions shall become effective immediately if within the scope of the delegations assigned by the BoG to OpCom. Actions not within such delegation shall be submitted to the BoG for approval in the consent agenda or for further consideration at its next meeting.

Members of the Committee shall be the President, President-Elect (odd-numbered years), immediate Past President (even-numbered years), Vice Presidents, three BoG Members-at-Large (each year, the President shall appoint one BoG Mal for a 3-year term chosen among the first-year MalS), and the IEEE Division III Delegate/Director. Non-voting members of the Committee shall be the Chief Information Officer, Chief Marketing Officer, Treasurer, Society Parliamentarian, and the Society Executive Director.

- 12.5.14 Operations & Facilities – This Committee is responsible for supporting the President in making recommendations to the BoG on operations, facilities, and related capital expenses. The President is the ex-officio Chair. Committee members shall be:
- CIO

- Treasurer
- Four Vice Presidents (ex-officio)
- Past President (even years)/President-Elect (odd years)
- Division III Director
- Three Members-at-Large (appointed by the President)

The Society Executive Director is an ex-officio non-voting member of this Committee.

- 12.5.15 Strategic Planning – This Committee is responsible for preparing a long-term strategic plan to guide the direction and future of the Society and for preparing short-term plans to direct specific areas, as appropriate.

Members of the Committee shall be the Chair, the Vice Presidents (or a representative named by the VP), and eight Members-at-Large all appointed by the President upon recommendation of the Committee Chair. The Members-at-Large will serve two-year staggered terms. Each year, at least one of the appointees shall be a Young Professional as defined by IEEE.

- 12.5.16 Technical Committees/Industry Communities Recertification – This Committee reviews each Technical Committee/Industry Community once every three years to ensure their continued relevance and effectiveness to the Society. Committee recommendations for recertification, modification, merging, or elimination are submitted to the TEA-C for approval.

The VP-TEA is the ex-officio Chair. Committee members shall include the TEA-C Vice Chair and six members appointed by the Chair for a three-year term. One-third of the members are appointed each year by the Chair from among Members-at-Large of the BoG. Committee members who are also officers of Technical Committees/Industry Communities under review shall excuse themselves from deliberations related to their Technical Committee/Industry Community.

- 12.5.17 Technology Evolution & Initiatives - This Committee is responsible for the oversight and management of ComSoc's involvement in external initiatives, i.e. those originated from IEEE-level or multi-Society initiatives (e.g., Multi-Society Technical Groups, IEEE Technical Communities, IEEE TAB Future Directions Committee, IEEE New Initiatives Committee, and all IEEE OUs). The Committee shall ensure that ComSoc's involvement is timely, relevant, within ComSoc's field of interest, cost effective, and compatible with the evolution of ComSoc and IEEE. The Committee shall recommend to the BoG when to terminate existing initiatives, revise existing initiative MoUs, and join/launch new initiatives.

The Committee shall also monitor ComSoc's internal initiatives, identifying gaps and opportunities, and recommending to Councils and the BoG (a) improvements of existing initiatives and (b) new initiative projects and programs consistent with ComSoc's vision, mission, and Strategic Plan.

Members of the Committee shall consist of three Members-at-Large (MALs) serving three-year staggered terms. MALs may serve a maximum of two terms. Other voting members are the Past Chair of the Committee, the Chair of the Emerging Technologies Committee, the Chair of the Strategic Planning Committee, the VP-TEA, and the Chairs or ComSoc representatives of IEEE-level or multi-Society Initiatives in which ComSoc has more than a 1/6th financial share of the ownership.

- 12.5.18 Women in Communications Engineering – This Committee is responsible for encouraging the participation and membership of women communications engineers in the Society. The Committee shall meet at least once a year at ICC or GLOBECOM and shall provide an annual written report to the Society President, Vice Presidents, and Technical Committee Chairs prior to each ICC.

Committee membership is as follows: Chair, Vice-Chair, Publicity Chair, Secretary, IEEE Women in Engineering Committee (WIE) Society Coordinator, Awards sub-committee Member-at-Large, and up to five Members-at-Large.

- 12.5.19 Young Professionals – This Committee is responsible for encouraging Young Professionals (as defined by IEEE) to become Communications Society members and to participate in its activities. It will do this through developing programs and initiatives attractive to Young Professionals, empowering them to make valuable contributions to the Society and entire IEEE organization, giving them a voice in Society direction, and by preparing them for future leadership roles. Membership of this Committee is the Chair, 5 Members-at-Large who are Young Professionals, and 1 Member-at-Large who is not a Young Professional.

ARTICLE 13 – AD HOC COMMITTEES

- 13.1 Ad Hoc Committees may be established by the President in consultation with the BoG to address broad technical or operational issues within the Society or IEEE. The scope, responsibilities, and P&Ps of an Ad Hoc Committee shall be defined upon establishment. Ad Hoc Committees report to the BoG.

- 13.2 Ad Hoc Committee Chairs and members shall be appointed by the President. Upon establishment, the President shall report to the BoG the composition, mission, and expiration date of the Ad Hoc Committee.
- 13.3 OpCom shall review all Ad Hoc Committees annually and recommend to the BoG whether they should continue, disband, or be elevated to Standing Committees.
- 13.4 Ad Hoc Committees shall automatically expire at the conclusion of their duration or at the end of each President's term or by resolution of the President or the BoG, whichever comes first. The President may reestablish an expired Ad Hoc Committee in consultation with the BoG.

ARTICLE 14 – SOCIETY REPRESENTATIVES

- 14.1 Society representatives to other IEEE Organizational Units or non-IEEE organizations are responsible for representing Society interests. They are appointed by the President for terms as required by the other organizations, in consultation with the appropriate Vice President.

ARTICLE 15 – BUDGET AND FINANCE

- 15.1 Officers shall prepare budgets for the coming calendar year in the first half of each year for initial approval by the BoG at its BoG1 meeting, and for final approval at the Special BoG meeting (if needed, as specified in the Finance P&Ps). Actuals shall be reviewed throughout the year, and a forecast reported at each meeting.
- 15.2 Dues and fees are set by the BoG in accordance with IEEE and Society guidelines and are based upon proposals by the Treasurer to the BoG. Billing and receipt of annual dues are part of the IEEE dues billing process.
- 15.3 Budget
 - 15.3.1 Each year the Society produces a budget which shall be approved by the BoG.
 - 15.3.2 The Treasurer is responsible for the development of the Society annual budget and submitting to IEEE Technical Activities for consolidation with other societies, and ultimately to the IEEE for their consolidated budget. The Treasurer monitors revenues and expenses, providing interim reports on budgets, forecast, actuals at each BoG and OpCom meeting. A complete financial report, including actual versus budget, net assets, and reserves is presented by the Treasurer annually.
- 15.4 Finance
 - 15.4.1 The Treasurer has oversight responsibility for all Society financial matters.
 - 15.4.2 The Treasurer, or Society Executive Director, or their designee shall follow orderly procedures for disbursement of funds,

providing sufficient checks and balances and appropriate record keeping. A budgeted expenditure requires no further approval beyond approval of the Treasurer.

- 15.4.3 The Treasurer shall periodically review the Society finances and recommend adjustments needed to insure financial stability of the Society.
- 15.4.4 The Treasurer shall cooperate with Society and IEEE officials to accomplish financial audits when requested. The results of these audits shall be presented to the BoG.

IEEE COMMUNICATIONS SOCIETY

OVERVIEW

The **IEEE Communications Society (ComSoc)** is a diverse group of industry professionals with a common interest in advancing all communications technologies. Individuals within this unique community interact across international and technological borders to:

- produce publications
- organize conferences
- foster educational programs
- promote local activities
- work on technical committees
- support industry standards

The foundation of the IEEE and its societies' structure was due in great part to the activity of members in the communications field: The American Institute of Electrical Engineers (AIEE) founded in 1884, to advance electrical power technologies and the Institute of Radio Engineers (IRE) founded in 1912, to explore expanding radio and communications technology. These merged in 1963 to form The Institute of Electrical and Electronics Engineers, Inc. (IEEE).

The Communications Society began with the formation of the IRE's Professional Group on Communications Systems (PCCS) in 1952.

In the past sixty years, ComSoc has increased its membership from 8,800 (when it began operations as an independent Society of the IEEE) to over 26,000 paid members today. The Society has become the premier international forum for the exchange of ideas on communications technologies and information networking, including, wireless technology, the Internet, and optical systems.

The volunteer members of the Society shape the course of ComSoc, its publications, technical activities and conferences. The Society's strength comes from the vision and dedication of its members and Staff.

A Brief History of Communications, originally published in 2002 to commemorate the Society's 50th anniversary, was revised and updated as a 2nd Edition in 2012. The content captures the major communications technology events of the 20th and 21st centuries; provides interviews of leaders, and gives a brief overview of Society history. Digital or print copies of the 2nd Edition are available by sending a request to society@comsoc.org.

Membership Demographics

Where Members Live

Membership growth has been strong in the USA (Regions 1-6), Canada (Region 7), Europe/Middle East/Africa (Region 8), Latin America (Region 9), and the Asia/Pacific (Region 10) have all seen increasingly significant growth.

Global Membership

34.35%	USA	164 Sections
3.77%	Canada	21 Sections
21.90%	EMEA	62 Sections
4.62%	Latin/America	35 Sections
35.35%	Asia/Pacific	61 Sections

Where Members Work

With many members involved with private industry, ComSoc is well positioned to cover emerging product and service innovations. While its important membership segment in academia, it provides the theoretical foundations for future development.

10.78%	Academia
1.90%	Government
15.19%	Industry
1.91%	Retired
70.23%	Unspecified

Conferences

Every year, the IEEE Communications Society sponsors major conferences that attract hundreds of the best quality paper/presentation submissions and attendees. Held at convenient locations around the world, these meetings attract thousands of participants who have much to share beyond their strong desire to learn. Communications Society conferences and workshops provide ideal opportunities to be a part of the latest technological developments and to network with the leaders who are changing the world of communications.

Publications

From magazines to journals to online access and digital editions, the IEEE Communications Society produces the world's most cited publications in communications technology and science. Some are free with membership and all publications are available online. Visit the ComSoc web site and Digital Library at www.comsoc.org for submission instructions, subscription information, and more details.

Citations

IEEE Communication Society publications earned some of the highest ratings among telecommunications journals and magazines in a recent ISI® "Journal Citation Report." ComSoc publications occupied 8 of the top 10 places for impact factor:

1. *IEEE Communications Surveys & Tutorials*
2. *IEEE Wireless Communications Magazine*
3. *IEEE Communications Magazine*
4. *IEEE Journal on Selected Areas in Communications*
5. *IEEE Network Magazine*
6. *IEEE/ACM Journal of Lightwave Technology*
7. *IEEE Transactions on Wireless Communications*
8. *IEEE Transactions on Mobile Computing*

Impact factor measures how often the "average article" in a journal has been cited. It is calculated by dividing the number of current year citations by the source items published in that journal during the previous two years.

IEEE Communications Magazine: Considered by many members to be our most important member benefit, it provides the latest information on all communications technologies. Such as, Lightwave Systems, Broadband Communications, Multimedia Services, and Wireless Networks. With monthly digital delivery service, issues are delivered to readers as soon as they are published.

In addition to its in-depth technical articles, the magazine also offers other important content, including:

The Global Communications Newsletter: A monthly feature containing articles about worldwide events related to communications and Society activities.

Optical Communications: A series dedicated to fiber optics technology.

Radio Communications: A series presenting in-depth, cutting-edge tutorials, emphasizing state of the art design solutions; involving physical and other lower layer issues in radio communications.

Green Communications & Computing Networks: A semi-annual series that is a premier forum across academia and industry. This is to address all important issues relevant to green communications.

Network Testing & Analytics: A series that covers the testing of network design and implementation; analytics solutions that can help improve infrastructure & operations.

Ad Hoc and Sensor Networks: A periodic Series that explores in depth the concept of ad hoc and sensor networking; highlighting the recent research achievements in the field.

Automotive Networking: This series, published twice a year, covers the growing importance in vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications.

Consumer Communications and Networking: This series covers emerging technologies in the areas of home entertainment, high-quality visual communication, massive multi-player gaming, and personal body-area and sensor networking.

Design and Implementation: This series publishes articles that provide practical knowledge for creating products and services, while retaining the academically rigorous style and structure typical of Communications Magazine articles.

Network and Service Management: This series publishes articles on the latest developments in this well-established and thriving discipline and highlighting recent research achievements.

IEEE Network: The Magazine of Global Internetworking has technical co-sponsorship support from the IEEE Computer Society and Internet Society. This bimonthly magazine covers all aspects of computer communications.

IEEE Wireless Communications: A bimonthly magazine which covers technical and policy issues relating to personal location-independent communications in all media and at all protocol layers.

IEEE Communications Standards Magazine: Intended to be a platform for presenting and discussing a broad variety of standards-related topics in the area of communications.

IEEE Transactions on Communications: Is regarded as “the source” for breakthrough communications theories and practical applications. Each month, this world renowned scholarly journal, covers all aspects of communications from telephony to communication theory.

IEEE Journal on Selected Areas in Communications: Is designed for leading edge communications researchers. This scholarly issues, focuses in-depth attention on critical aspects of one specific communications topic(s); from electromagnetic propagation to multimedia communications; from components to systems.

IEEE Communications Surveys & Tutorials: An all-electronic publication, offers a continuously available source of peer-reviewed, comprehensive, leading-edge

surveys covering all active areas of communications. All ComSoc members and IEEE members have free access to this online publication.

IEEE/ACM Transactions on Networking: A bimonthly archival journal, reflects the multi-disciplinary nature of communications networks and is sponsored by the IEEE Communications Society, the IEEE Computer Society, and the Association for Computing Machinery (ACM).

IEEE Transactions on Wireless Communications: Co-sponsored by the IEEE Signal Processing Society, this journal focuses on high-quality, peer-reviewed, original papers. Such, advance the state-of-the art and applications of wireless communications; including, theoretical contributions such as new techniques, concepts and analyses. Also, practical contributions such as system experiments and prototypes, and new monthly applications.

Transactions on Network and Service Management (TNSM): Offers timely electronic presentation of archival research on the management of networks, systems, services and applications. As well as, on issues in communications software, service engineering, policies, and business processes for network and service management. Online access only.

IEEE Wireless Communications Letters: A bimonthly journal which publishes shorter-high-quality manuscripts on advances in the state-of-the-art of wireless communications.

IEEE Transactions on Green Communications and Networking: Publishes high-quality, original, and timely papers that cover the subject of energy efficiency and sustainability for communication systems and networks.

IEEE Transactions on Cognitive Communications and Networking: Publishes high-quality manuscripts that advance the state-of-the-art of cognitive communications and networking research.

IEEE Transactions on Molecular, Biological, and Multi-Scale Communications: Devoted to the principles, design, and analysis of communication systems that use physics beyond conventional electromagnetism and particularly for small-scale and multi-scale applications.

IEEE Transactions on Mobile Computing: A bi-monthly journal co-sponsored with the Computer Society; publishes archival research results related to mobility of users, systems, data, and computing. As well as, issues in information organization and access, services, management, and applications.

IEEE Transactions on Multimedia: Captures the seminal work in this rapidly growing field and integrates all aspects of multimedia systems and technology, signal processing, and applications.

IEEE/OSA Journal of Lightwave Technology: Is the premier source of current information on all aspects of optical guided-wave science, technology, and engineering. This monthly journal publishes peer-reviewed original contributions and special issues; invites tutorial and review papers from world experts. All ComSoc members have full online access to JLT.

IEEE/OSA Journal of Optical Communications and Networking: Publishes both theoretical and practical contributions that advance the state-of-the-art in optical communications and networking research.

Green Communications & Computing Networks: A semi-annual series that is a premier forum across academia and industry; to address all important issues relevant to green communications.

Network Testing & Analytics: A series that covers the testing of network design and implementation; analytics solutions that can help improve infrastructure and operations.

Technically Co-Sponsored Publications

IEEE Communications Society cooperates with technical co-sponsorship with several IEEE publications, including the following:

IEEE Transactions on Information Forensics and Security

IEEE Reviews in Biomedical Engineering

IEEE Transactions on Cloud Computing

IEEE Transactions on Computational Intelligence and AI in Games

IEEE Transactions on Consumer Electronics

IEEE Internet Computing Magazine

IEEE Multimedia Magazine

IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

IEEE Transactions on Smart Grid

China Communications

IEEE/KICS Journal of Communications & Networks

IEEE Transactions on Applied Superconductivity

IEEE Internet of Things Journal

Publications Contents Digest: Offers linked Tables of Contents of all Communications Society periodicals. Monthly online delivery to ComSoc members.

IEEE ComSoc Technology News (CTN): Is an online publication and periodically provides summaries of interesting, timely, newsworthy papers, and articles from ComSoc and IEEE publications.

Best Readings: Offers a collection of books, articles, and papers on a featured topic.

IEEE ComSoc Educational Activities Newsletter: This free, online newsletter produced by the IEEE ComSoc Educational Services Board shares the latest information on educational offerings throughout IEEE Communications Society.

IEEE Communications Society publications are available online. See the publications area or the ComSoc Digital Library within the ComSoc web site at www.comsoc.org, or the IEEE web site at www.ieee.org.

ComSoc Digital Library (A Million Dollar Library of Communications Technology Content)

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The **ComSoc Digital Library, powered by IEEE Xplore**, provides online access to 13 IEEE Communications Society periodicals and over 35 ComSoc sponsored or co-sponsored conference proceedings. As a member of the Communications Society or IEEE, one can select between ComSocDL (access to current content plus the prior 3 years and almost 50K papers!) or ComSoc DL Plus. (All legacy content from 1953 forward and almost 140K papers!)

Who should subscribe to the Communications Society Digital Library?

Researchers, practitioners, consultants, startups, regulatory officials, innovators, analysts, lawyers, and all who need full text access to the highest quality publications and conference proceedings in all fields of telecommunications. This includes: wireless communications, networking, transmission, signal processing, systems integration, fiber optics, the Internet, radio, big data, security, cognitive networks, M2M, sensors, standards, testing, green ITC, 3G, 4G, 5G, enterprise networks, tactical communications, multimedia, powerline communications, software, devices and much more.

For more information, please visit our website at: <http://www.comsoc.org/dl>

IEEE ComSoc Training - Continuing education for the Communications professional offers online and in-person training. Half-day, one-day, and multi-day training options are available. IEEE maintains an official registry of all CEUs awarded making accounting to state licensing boards an easier task for engineers. Featured course topics include: 5G, IoT, Wi-Fi, SDN, LTE, Wireless Communications, Optical Communications, Satellites and Wireless Positioning. Visit: www.comsoc.org/training for a complete schedule of courses.



IEEE SDN eLearning Modules

IEEE ComSoc now offers a collection of online courses in the field of Software Defined Networking, Network Function Virtualization, and related technologies. CEUs/PDHs are available upon successful completion of these courses. To learn more visit <https://sdn.ieee.org/education/elearning>



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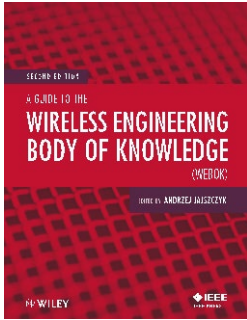
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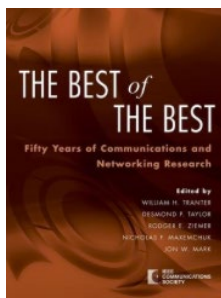
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VOLUNTEER LEADERS & STAFF

DIRECTORY

A

Hamid Aghvami

Email: hamid.aghvami@kcl.ac.uk

Nazim Agoulmine

Email: Nazim.Agoulmine@iup.univ-evry.fr

Rui Aguiar

Email: ruilaa@ua.pt

Pedro Aguilera

Email: paguilera@ieee.org

Sonia Aissa

Email: sonia.aissa@ieee.org

Marco Ajmone Marsan

Email: ajmone@polito.it

Ozgur Akan

Email: oba21@cam.ac.uk

Marcelo Alencar

Email: malencar@dee.ufcg.edu.br

Wahab Almuhtadi

Email: almuhtadi@ieee.org

Mohamed-Slim Alouini

Email: alouini@gmail.com

David Alvarez

Email: d.alvarez@comsoc.org

Ross Anderson

Email: r.c.anderson@ieee.org

Jeffrey Andrews

Email: jandrews@ece.utexas.edu

Nirwan Ansari

Email: ansari@njit.edu

Huseyin : Arslan

Email: arslan@usf.edu

Mohammed Atiquzzaman

Email: atiq@ou.edu

T. Scott Atkinson

Email: s.atkinson@ieee.org

Ender Ayanoglu

Email: ender@ieee.org

B

Jacob Baal-Schem

Email: j.baal.schem@ieee.org

Sewoong Bahk

Email: sbahk@snu.ac.kr

Victor Bahl

Email: bahl@microsoft.com

Robert L. (Bob) Baldwin

Email: r.baldwin@ieee.org

Albert Banchs

Email: banchs@it.uc3m.es

Kenneth Barnard

Email: test@test.com

Zeke Bar-Ness

Email: yeheskel.barness@njit.edu

Norm Beaulieu

Email: nborm@bupt.edu.cn

Ali Begen

Email: cbegen@ieee.org

Fawzi Behmann

Email: f.behmann@ieee.org

Jalel Ben Othman

Email: jbo@l2s.centralesupelec.fr

Sergio Benedetto

Email: benedetto@polito.it

Abderrahim Benslimane

Email: abderrahim.benslimane@univ-avignon.fr

Jackie Berliant

Email: j.berliant@comsoc.org

Joseph Berthold

Email: berthold@ciena.com

Vijay Bhargava

Email: vijayb@ece.ubc.ca

Kaigui Bian

Email: bkg@pku.edu.cn

Loudon Blair

Email: lblair@ciena.com

Shinett Boggan

Email: s.boggan@comsoc.org

Hanna Bogucka

Email: hanna.bogucka@put.poznan.pl

Piotr Borylo

Email: borylo@agh.edu.pl

Azzedine Boukerche

Email: boukerch@site.uottawa.ca

Raouf Boutaba

Email: rboutaba@uwaterloo.ca

Maite Brandt-Pearce

Email: mb-p@virginia.edu

Stefano Bregni

Email: bregni@elet.polimi.it

Marcus Brunner

Email: marcus@brubers.org

John Buford

Email: buford@samrg.org

Stephen Bush

Email: bushsf@research.ge.com

C**Danijela Cabric**

Email: danijela@ee.ucla.edu

Yigang Cai

Email: yigangcai@gmail.com

Ken Calvert

Email: calvert@netlab.uky.edu

Xiaojun (Matt) Cao

Email: cao@gsu.edu

H. Anthony Chan

Email: h.a.chan@ieee.org

Vincent Chan

Email: chan@mit.edu

Rajarthnam Chandramouli

Email: mouli@stevens.edu

Ajit Chaturvedi

Email: director@iitr.ac.in

Periklis Chatzimisios

Email: peris@it.teithe.gr

Chi-Ming Chen

Email: chimingchen@ieee.org

Hsiao-Hwa Chen

Email: hshwchen@gmail.com

Kwang-Cheng Chen
Email: ckc@ntu.edu.tw

Shigang Chen
Email: sgchen@cise.ufl.edu

Thomas Chen
Email: t.m.chen@swansea.ac.uk

Wen Chen
Email: wenchen@sjtu.edu.cn

Yu Cheng
Email: cheng@iit.edu

Soumaya Cherkaoui
Email:
soumaya.cherkaoui@usherbrooke.ca

Nim Cheung
Email: nim.cheung@gmail.com

Mung Chiang
Email: chiangm@princeton.edu

George Chrisikos
Email: gchrisikos@ieee.org

Chen-Nee Chuah
Email: chuah@ucdavis.edu

Len Cimini
Email: cimini@udel.edu

John Cioffi
Email: cioffi@stanford.edu

Trevor Clarkson
Email: t.g.clarkson@ieee.org

Paul Cotae
Email: pcotae@udc.edu

Carol Cronin
Email: c.cronin@comsoc.org

Shuguang Cui
Email: cui@ece.tamu.edu

Alan Culbertson
Email: alan444c@aol.com

D

Mahmoud Daneshmand
Email: daneshmand@ieee.org

Davide Dardari
Email: ddardari@ieee.org

Luiz DaSilva
Email: dasilval@tcd.ie

Tomaso de Cola
Email: Tomaso.deCola@dlr.de

J. Roberto de Marca
Email: rdemarca@uol.com.br

Filipe de Turck
Email: filip.deturck@intec.ugent.be

Ray Dent
Email: raymondndent@aol.com

Celia Desmond
Email: c.desmond@sympatico.ca

Michael Devetsikiotis
Email: mdevets@unm.edu

Marco Di Renzo
Email:
Marco.direnzo@centralesupelec.fr

Zhi Ding
Email: zding@ucdavis.edu

Sudhir Dixit
Email: sudhir.dixit@ieee.org

Octavia Dobre
Email: odobre@mun.ca

Mischa Dohler

Email: mischa.dohler@kcl.ac.uk

Klaus Dostert

Email: klaus.dostert@kit.edu

Falko Dressler

Email: dressler@ieee.org

Tariq Durrani

Email: durrani@strath.ac.uk

Ashutosh Dutta

Email: ashutosh.dutta@ieee.org

Tarek El-Bawab

Email: telbawab@ieee.org

E**Jaafar Elmighani**

Email: J.M.H.Elmighani@leeds.ac.uk

Mohamed El-Sayed

Email: elsayed@alcatel-lucent.com

Tony Ephremides

Email: etony@umd.edu

Javan Erfanian

Email: javan.erfanian@bell.ca

F**Yuguang "Michael" Fang**

Email: fang@ece.ufl.edu

Jean-Philippe Faure

Email: jean-philippe.faure@progilon.com

Gerhard Fettweis

Email: gerhard.fettweis@tu-dresden.com

Robert Fish

Email: rob.fish@ieee.org

Hans-Martin Foisel

Email: h.foisel@telekom.de

Nelson Fonseca

Email: nfonseca@ic.unicamp.br

Luigi Fratta

Email: fratta@elet.polimi.it

Harvey Freeman

Email: h.freeman@ieee.org

Xiaoming Fu

Email: fu@cs.uni-goettingen.de

G**Tina Gaerlan**

Email: e.gaerlan@comsoc.org

Stefano Galli

Email: sgalli@ieee.org

Ana Garcia Armada

Email: anagar@ing.uc3m.es

Araceli Garcia Gomez

Email: araceli@iteso.mx

Liljana Gavrilovska

Email: liljana@feit.ukim.edu.mk

Erol Gelenbe

Email: seg@iitis.pl

Alexander Gelman

Email: adg@ieee.org

Costas Georghiades

Email: georghiades@tamu.edu

Hamid Gharavi

Email: gharavi@nist.gov

Jerry Gibson

Email: gibson@ece.ucsb.edu

Stefano Giordano

Email: s.giordano@iet.unipi.it

Jonathan Goldberg

Email: goldberg.j@ieee.org

Andrea Goldsmith

Email: andrea@ee.stanford.edu

Nada Golmie

Email: nada.golmie@nist.gov

Sergey Gorinsky

Email: sergey.gorinsky@imdea.org

Steve Gorshe

Email: sgorshe@ieee.org

Shri Goyal

Email: shrikgoyal@gmail.com

Fabrizio Granelli

Email: fabrizio.granelli@unitn.it

Lisandro Granville

Email: granville@inf.ufrgs.br

Adam Greenberg

Email: a.greenberg@comsoc.org

Mohsen Guizani

Email: mguizani@gmail.com

Song Guo

Email: song.guo@polyu.edu.hk

Ram Gupta

Email: guptarg@nic.in

Andrei Gurtov

Email: gurtov@acm.org

H**Bechir Hamdaoui**

Email:

hamdaoui@eecs.oregonstate.edu

Zhu Han

Email: zhan2@uh.edu

Lajos Hanzo

Email: lh@ecs.soton.ac.uk

Hiroshi Harada

Email: harada@ieee.org

Merrily Hartmann

Email: merrily.hartmann@ieee.org

Paul Hartmann

Email: paul.hartmann@ieee.org

SM Hasan

Email: smhasan@ieee.org

Go Hasegawa

Email: hasegawa@cmc.osaka-u.ac.jp

Mahbub Hassan

Email: mahbub@cse.unsw.edu.au

Hossam Hassanein

Email: hossam@cs.queensu.ca

Aawatif Hayar

Email: aahayar@gmail.com

Jerry Hayes

Email: jerryatece@aol.com

Robert Heath

Email: rheath@utexas.edu

Peter Hill

Email: p.c.j.hill@cranfield.ac.uk

James Hong

Email: jwkhong@postech.ac.kr

Yao-Win Peter Hong

Email: ywhong@ee.nthu.edu.tw

Ekram Hossain

Email: ekram@ee.umanitoba.ca

Thomas Hou

Email: thou@vt.edu

Jack Howell

Email: j.howellcomsoc@gmail.com

Bin Hu

Email: hubenjamin@ieee.org

Rose Qingyang Hu

Email: rosehu@ieee.org

Ning Hua

Email: n.hua@ieee.org

Dijiang Huang

Email: dijiang.huang@asu.edu

Jianwei Huang

Email: jianweihuang@gmail.com

Tammy Hung

Email: t.hung@comsoc.org

J**Bijan Jabbari**

Email: bjabbari@gmu.edu

Marko Jagodic

Email: jagodic.marko@guest.arnes.si

Andrzej Jajszczyk

Email: jajszczyk@kt.agh.edu.pl

Gabriel Jakobson

Email: gabejakobson@earthlink.net

Abbas Jamalipour

Email: a.jamalipour@ieee.org

Trish Jaraicie

Email: p.jaraicie@comsoc.org

Tara Javidi

Email: tjavidi@ucsd.edu

Anura Jayasumana

Email:

Anura.Jayasumana@Colostate.edu

Brendan Jennings

Email: bjennings@tssg.org

Admela Jukan

Email: ajukan@me.com

K**Alan Kaplan**

Email: kaplana@ieee.org

George Karagiannidis

Email: geokarag@auth.gr

Mark Karol

Email: m.karol@ieee.org

Nei Kato

Email: kato@it.ecei.tohoku.ac.jp

Mohsen Kavehrad

Email: mkavehrad1000@gmail.com

Cathy Kemelmacher

Email: c.kemelmacher@comsoc.org

Bruce Kiebertz

Email: b.kiebertz@ieee.org

Dong In Kim

Email: dikim@skku.ac.kr

Michael Kincaid

Email: w7fkf@fast.net

Shaline Kishore

Email: skishore@lehigh.edu

Glen Kramer

Email: glen.kramer@ieee.com

Kevin Krantz

Email: kevin.krantz@ericsson.com

Kelly Krick

Email: kelly.krick@ericsson.com

Dilip Krishnaswamy

Email: dilip@ieee.org

Adlen Ksentini

Email: adlen.ksentini@eurecom.fr

Anurag Kumar

Email: anurag@ece.iisc.ernet.in

L**Latif Ladid**

Email: latif@ladid.lu

Lutz Lampe

Email: lampe@ece.ubc.ca

Haniph Latchman

Email: latchman@list.ufl.edu

Sue Lange

Email: s.lange@comsoc.org

Jimmy Le

Email: j.le@comsoc.org

Lin-shan Lee

Email: lslee@gate.sinica.edu.tw

Khaled Letaief

Email: eekhaled@ust.hk

Kin Leung

Email: kkleung@ieee.org

Bo Li

Email: bli@cs.ust.hk

Cheng Li

Email: licheng@mun.ca

Geoffrey Li

Email: liye@ieee.org

Zhu Li

Email: zhu.li@ieee.org

Ying-Chang Liang

Email: liangyc@ieee.org

Hai Lin

Email: lin@eis.osakafu-u.ac.jp

Phone Lin

Email: plin@csie.ntu.edu.tw

Xiaodong Lin

Email: Xiaodong.Lin@uoit.ca

Ying-Dar Lin

Email: ydlin@cs.nctu.edu.tw

Jiajia Liu

Email: liujiajia@xidian.edu.cn

Karen Liu

Email: karen.liu@ovum.com

Pascal Lorenz

Email: lorenz@ieee.org

Angel Lozano

Email: angel.lozano@upf.edu

John Lyons

Email: jlyons@ieee.org

M**Hsi-Pin Ma**

Email: hp@ee.nthu.edu.tw

Liangping Ma

Email: liangping.ma@ieee.org

Narayan Mandayam

Email: narayan@winlab.rutgers.edu

Athanassios Manikas

Email: a.manikas@imperial.ac.uk

Shiwen Mao

Email: smao@ieee.org

Philippa Martin

Email:
philippa.martin@canterbury.ac.nz

Joberto Martins

Email: joberto.martins@gmail.com

Vinoo Mathew

Email: vinoo.mathew@comsoc.org

Nick Maxemchuk

Email: nick@ee.columbia.edu

Jack McDonald

Email: jackmcdon@aol.com

Tara McNally

Email: t.mcnally@comsoc.org

Muriel Medard

Email: medard@mit.edu

Deep Medhi

Email: dmedhi@umkc.edu

Neelesh Mehta

Email: neeleshbmehta@gmail.com

Abdelhamid Mellouk

Email: mellouk@u-pec.fr

Tommaso Melodia

Email: melodia@ece.neu.edu

David Michelson

Email: davem@ece.ubc.ca

Joe Milizzo

Email: jamilizzo@comsoc.org

Richard Miller

Email: r.w.miller@ieee.org

Sudip Misra

Email: smisra@sit.iitkgp.ernet.in

Joseph Mitola

Email: jmitola@ieee.org

Debasis Mitra

Email: Debasis.Mitra@alcatel-lucent.com

Urbashi Mitra

Email: ubli@usc.edu

Lynda Mokdad

Email: lynda.mokdad@univ-paris12.fr

Andreas Molisch

Email: Andreas.Molisch@ieee.org

Sean Moore

Email: smoore-phd@ieee.org

Stan Moyer

Email: s.moyer@ieee.org

Peter Mueller

Email: pmu@zurich.ibm.com

Biswanath Mukherjee

Email: bmukherjee@ucdavis.edu

Ross Murch

Email: eermurch@ee.ust.hk

Arumugam Nallanathan

Email: nallanathan@ieee.org

N**Lionel Ni**

Email: ni@cse.ust.hk

Zhisheng Niu

Email: niuzhs@tsinghua.edu.cn

Aria Nosratinia

Email: aria@utdallas.edu

O

Ugo Ogwo

Email: ugo.ogwo@gmail.com

Eiji Oki

Email: oki@i.kyoto-u.ac.jp

Ana María Ospina

Email: anaob82@gmail.com

P

Algirdas Pakstas

Email: a.pakstas@ieee.org

Erdal Panayirci

Email: eeapanay@khas.edu.tr

Karen Pannullo

Email: k.pannullo@comsoc.org

Constantinos Papadias

Email: cpap@ait.gr

Radia Perlman

Email: Radia.Pperlman@dell.com

Erik Perrins

Email: esp@ieee.org

Chiara Petrioli

Email: petrioli@di.uniroma1.it

Ray Pickholtz

Email: pickholtz@gwu.edu

Madhukar Pitke

Email: pitkemv@gmail.com

Thomas Plevyak

Email: thomasplevyak@verizon.net

H. Vincent Poor

Email: poor@princeton.edu

Petar Popovski

Email: petarp@es.aau.dk

Jennifer Porcello

Email: j.porcello@comsoc.org

Scott Poretzky

Email: sporetzky@allot.com

R.R. Venkatesha Prasad

Email: rvprasad@gmail.com

Ramjee Prasad

Email: prasad@kom.aau.dk

Q

Yi Qian

Email: yqian2@unl.edu

Tony Q.S. Quek

Email: tonyquek@sutd.edu.sg

Giorgio Quer

Email: gquer@scripps.edu

R

Nury Gabriela Ramirez Cely

Email: nuryramirez@ieee.org

Ramachandran Ramjee

Email: ramjee@microsoft.com

Ted Rappaport

Email: tsr@nyu.edu

Karl Rauscher

Email: karl.rauscher@gmail.com

Michael Rice

Email: mdr@byu.edu

Gee Rittenhouse

Email: gee@alcatel-lucent.com

Joel Rodrigues

Email: joeljr@ieee.org

Vincent Rodriguez
Email: v.rodriguez@comsoc.org

Keith Ross
Email: ross@poly.edu

Peter Rost
Email: peter.rost@ieee.org

George Rouskas
Email: rouskas@ncsu.edu

Sumit Roy
Email: roy@ee.washington.edu

Nikola Rozic
Email: nrozic@ieee.org

S

Walid Saad
Email: walids@vt.edu

Brian Sadler
Email: brian.m.sadler6.civ@mail.mil

Roberto Saracco
Email: roberto.saracco@gmail.com

Hikmet Sari
Email: hsari@ieee.org

Iwao Sasase
Email: sasase@sasase.ics.keio.ac.jp

Anna Scaglione
Email: Anna.Scaglione@asu.edu

Donald Schilling
Email: DonaldSchilling@gmail.com

Robert Schober
Email: robert.schober@fau.de

Henning Schulzrinne
Email: hgs@cs.columbia.edu

Mischa Schwartz
Email: schwartz@ee.columbia.edu

Stefano Secci
Email: stefano.secci@lip6.fr

Sidi Mohammed Senouci
Email: senoucis@gmail.com

Abdallah Shami
Email: Abdallah.Shami@uwo.ca

Bob Shapiro
Email: bshapiro@ieee.org

Gangxiang (Steven) Shen
Email: shengx@suda.edu.cn

Sherman Shen
Email: xshen@bbcr.uwaterloo.ca

Kohei Shiomoto
Email: kohei.shiomoto@ieee.org

Debi Siering
Email: dsiering@gmail.com

Curtis Siller
Email: ca04040s@yahoo.com

Jane Simmons
Email: jsimmons@monarchna.com

Natasha Simonovski
Email: n.simonovski@comsoc.org

Charalabos Skianis
Email: cskianis@aegean.gr

Melissa Smith
Email: melissa.a.smith@comsoc.org

Kazem Sohraby
Email: ksinst@yahoo.com

Lingyang Song
Email: lingyang.song@pku.edu.cn

Min Song
Email: min.song@comsoc-trial.com

Anthony Soong

Email: anthony.soong@huawei.com

R. Srikant

Email: rsrikant@uiuc.edu

Rolf Stadler

Email: stadler@kth.se

James Sterbenz

Email: jpgs@comsoc.org

Heinrich Stuetzgen

Email: Heiner.Stuetzgen@t-online.de

Ravi Subrahmanyam

Email: ravi.subrahmanyam@ieee.org

Sumei Sun

Email: sunsm@i2r.a-star.edu.sg

T**Fambirai Takawira**

Email: fambirai.takawira@wits.ac.za

Tarik Taleb

Email: talebtarik@gmail.com

Ewell Tan

Email: ewell.tan@ieee.org

Tomohiko Taniguchi

Email: t.taniguchi@ieee.org

Des Taylor

Email: taylor@elec.canterbury.ac.nz

Harold Tepper

Email: h.tepper@comsoc.org

Zhi Tian

Email: ztian1@gmu.edu

Edward Tiedemann

Email: etied@qti.qualcomm.com

Cindy Tiritilli

Email: c.tiritilli@comsoc.org

CK Toh

Email: cktoh2003@yahoo.com

Andrea Tonello

Email: andrea.tonello@aau.at

Melissa Torres

Email: m.a.torres@comsoc.org

Mehmet Toy

Email:

Mehmet_Toy@cable.comcast.com

Ljiljana Trajkovic

Email: ljilja@sfu.ca

Patrick Trischitta

Email: PatrickTNJ@verizon.net

U**Mehmet Ulema**

Email: m.ulema@ieee.org

Sennur Ulukus

Email: ulukus@umd.edu

V**Matthew Valenti**

Email:

Matthew.Valenti@mail.wvu.edu

Rath Vannithamby

Email: rath.vannithamby@intel.com

Ricardo Veiga

Email: veiga.ricardo@ieee.org

John Vig

Email: j.vig@ieee.org

W

Robert Walp

Email: r.walp@ieee.org

Soon Wan

Email: gimsoon@ieee.org

Cheng-Xiang Wang

Email: chxwang@seu.edu.cn

Chonggang Wang

Email:

Chonggang.Wang@interdigital.com

Haohong Wang

Email: haohong@ieee.org

Honggang Wang

Email: Hwang1@umassd.edu

Mary Ward-Callan

Email: m.ward-callan@ieee.org

Steve Weber

Email: sweber@coe.drexel.edu

Bin Wei

Email: bwmbbox@gmail.com

Stephen Weinstein

Email: sbw@cttcservices.com

Alan Weissberger

Email: aweissberger@sbcglobal.net

Sarah Kate Wilson

Email: skwilson@scu.edu

Moe Win

Email: moewin@mit.edu

Jack Winters

Email: jack.winters@ieee.org

Tilman Wolf

Email: wolf@umass.edu

Daniel Wong

Email: daniel_wong@ieee.org

Ian Wong

Email: ian.wong@ni.com

Vincent Wong

Email: vincentw@ece.ubc.ca

Bruce Worthman

Email: b.worthman@comsoc.org

Jingxian Wu

Email: wuj@uark.edu

Jinsong Wu

Email: wujs@ieee.org

X

Chengshan Xiao

Email: xiaoc@lehigh.edu

Larry Xue

Email: xue@asu.edu

Y

Takaya Yamazato

Email: yamazato@ieee.org

Kun Yang

Email: kunyang@essex.ac.uk

Halim Yanikomeroglu

Email: halim@sce.carleton.ca

Yu-Dong Yao

Email: yyao@stevens.edu

Hideaki Yoshino

Email: yoshino@nit.ac.jp

Richard Yu

Email: richard.yu@carleton.ca

Shui Yu

Email: shui.yu@deakin.edu.au

Wei Yu

Email: weiyu@comm.utoronto.ca

Weider Yu

Email: weider.yu@sjsu.edu

Z**Wenjun Zeng**

Email: zengw@missouri.edu

Angela Yingjun Zhang

Email: yjzhang@ie.cuhk.edu.hk

Qian Zhang

Email: qianzh@cse.ust.hk

Tao Zhang

Email: tztaozhang1@gmail.com

Wei Zhang

Email: w.zhang@unsw.edu.au

Xi Zhang

Email: xizhang@ece.tamu.edu

Zhensheng Zhang

Email: zhenshengz@gmail.com

Lian Zhao

Email: 5zhao@ryerson.ca

Liang Zhou

Email: liang.zhou@njupt.edu.cn

Weihua Zhuang

Email: wzhuang@uwaterloo.ca

Michele Zorzi

Email: zorzi@ing.unife.it

Douglas Zuckerman

Email: w2xd@aol.com

Zoran Zvonar

Email: zoran.zvonar@mediatek.com

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