

# IEEE COMSOC DIRECTORY

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**2016**

**IEEE  
ComSoc™**  
IEEE Communications Society



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Sergio



Celia



Doug



Bob



Tao



Susan



Luigi



Larry



Stefano



Nelson



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Kazem



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Rulei



Qian



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Zhensheng



Takaya



Andrzej



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Nei



Gerhard



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James



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Qian

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 Celia Desmond ..... IEEE Division III Director  
 Doug Zuckerman .....Parliamentarian  
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 Susan M. Brooks .....Executive Director

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 Activities  
 Guoliang (Larry) Xue ..... Conferences  
 Stefano Bregni... Member & Global Activities  
 Nelson Fonseca ..... Publications  
 Robert Fish ... Industry & Standards Activities

### Directors

Khaled B. Letaief ..... Journals  
 Raouf Boutaba ..... Magazines  
 Kazem Sohrawy ..... Conference Development  
 Min Song ..... Conference Operations  
 Rulei Ting ..... Educational Services  
 Qian Zhang ..... Technical Services  
 Ashutosh Dutta ..... Industry Outreach  
 Zhensheng Zhang ..... Membership Services  
 Takaya Yamazato ..... Asia/Pacific Region  
 Andrzej Jajszczyk ..... Europe, Middle-East  
 & Africa Region  
 Carlos Lozano Garzon... Latin American Region  
 T. Scott Atkinson ..... North American Region  
 Curtis Siller ..... Sister & Related Societies  
 Mehmet Ulema..... Standards Development  
 Alex Gelman ..... Standardization Programs  
 Development  
 Ian Wong (acting) ..... Industry Communities  
 Stan Moyer (acting) ..... Chief Marketing Officer  
 Fabrizio Granelli (acting) ..... Chief Online Content  
 Officer

### Members At Large

#### 2014-2016

Sonia Aissa  
 Xuemin (Sherman) Shen  
 Hsiao-Hwa Chen  
 Nei Kato

#### 2015-2017

Gerhard Fettweis  
 Araceli García Gómez  
 Steve Gorshe  
 James Hong

#### 2016-2018

Len Cimini  
 Tom Hou  
 Robert Schober  
 Qian Zhang

# COMSOC COMMUNITY

# CONTENTS

## **2 Organization**

- 2 Board of Governors
- 3 Technical & Educational Activities
- 14 Conferences
- 27 Publications
- 30 Member Global Activities
- 34 Industry & Standards Activities
- 36 Standing Committees
- 41 Ad Hoc Committees
- 42 Society Representatives
- 44 Staff

## **47 Chapters**

## **65 Distinguished Lecturer/Speaker Program**

## **75 Travel Grants**

## **76 Awards**

## **96 Constitution**

## **103 Bylaws**

## **131 Society Overview**

## **142 Directory**

## **193 ComSoc Presidents**



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provided, it will be updated on the Web pages ([www.comsoc.org](http://www.comsoc.org)).

# ORGANIZATION

## BOARD OF GOVERNORS

### ELECTED OFFICERS 2016-2017 (voting)

President ..... Harvey Freeman \*

Past President ..... Sergio Benedetto \*

Vice President - Technical & Educational Activities ..... Luigi Fratta \*

Vice President - Conferences ..... Guoliang (Larry) Xue \*

Vice President - Member & Global Activities ..... Stefano Bregni\*

Vice President – Publications ..... Nelson Fonseca \*

Vice President – Industry & Standards Activities ..... Robert Fish\*

### APPOINTED OFFICERS 2016-2017 (non-voting)

Treasurer ..... Bob Shapiro\*

Parliamentarian ..... Doug Zuckerman\*

Chief Information Officer (CIO) ..... Tao Zhang

Director – Journals ..... Khaled B. Letaief

Director – Magazines ..... Raouf Boutaba

Director – Conference Development ..... Kazem Sohraby

Director – Conference Operations ..... Min Song

Director - Educational Services ..... Rulei Ting

Director - Technical Services ..... Qian Zhang

Director - Industry Outreach ..... Ashutosh Dutta

Director - Membership Services ..... Zhensheng Zhang

Director - Asia/Pacific Region ..... Takaya Yamazato

Director - Europe, Middle-East & Africa Region ..... Andrzej Jajszczyk

Director - Latin America Region ..... Carlos Lozano Garzon

Director - North America Region ..... T. Scott Atkinson

Director - Sister & Related Societies ..... Curtis Siller

Director -Standards Development ..... Mehmet Ulema

Director - Standardization Programs Development ..... Alex Gelman

Director – Industry Communities (acting) ..... Ian Wong

Chief Marketing Officer (acting) ..... Stan Moyer

Chief Online Content Officer (acting) ..... Fabrizio Granelli

Executive Director ..... Susan M. Brooks\*

Recording Secretary ..... Carol Cronin

### MEMBERS-AT-LARGE (elected-voting)\*

2014-2016	2015-2017	2016-2018
Sonia Aissa*	Gerhard Fettweis	Len Cimini
Xuemin (Sherman) Shen	Araceli García Gómez	Tom Hou *
Hsiao-Hwa Chen	Steve Gorshe*	Robert Schober
Nei Kato	James Hong	Qian Zhang

### IEEE DIVISION III (elected-voting)

Director ..... \* Celia Desmond

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

# TECHNICAL ACTIVITIES



Luigi Fratta  
*Vice President*

Vice President ..... Luigi Fratta  
Staff ..... Adam Greenberg

## TECHNICAL ACTIVITIES COUNCIL

Chair..... Luigi Fratta  
Vice Chair ..... George Rouskas

### Technical Committee Chairs

Ad Hoc & Sensor Communications & Networks ..... Jalel Ben Othman  
Cognitive Networks ..... Ying Chang Liang  
Communications & Information Security ..... Xiaodong Lin  
Communications Quality & Reliability ..... Scott Poretzky  
Communications Software ..... Lynda Mokdad  
Communications Switching & Routing ..... Abdelhamid Mellouk  
Communications Systems Integration & Modeling .....  
..... Christos Verikoukis  
Communication Theory ..... Matthew Valenti  
Computer Communications ..... James Sterbenz  
Data Storage ..... Bane Vasic  
e-Health ..... Nazim Agoulmine  
Green Communications & Computing ..... Jinsong Wu  
Information Infrastructure & Networking ..... Pascal Lorenz  
Innovation & Standards in Information & Communication  
Technologies ..... SM Hasan  
Internet ..... Stefano Secci  
Multimedia Communications ..... Shiwen Mao  
Network Operations & Management ..... Lisandro Granville  
Optical Networking ..... George Rouskas  
Power Line Communications ..... Andrea Tonello  
Radio Communications ..... Hanna Bogucka  
Satellite & Space Communications ..... Tomaso de Cola  
Signal Processing & Communications Electronics ..... Hai Lin  
Social Networks ..... Kwang-Cheng Chen  
Transmission, Access & Optical Systems ..... Ahmed Kamal  
Wireless Communications ..... Tarik Taleb

### Boards & Standing Committee Chairs in TAC

[www.comsoc.org/socstr/org/operation/techcom/related.html](http://www.comsoc.org/socstr/org/operation/techcom/related.html)

#### Standing Committees

Awards ..... Lajos Hanzo  
Communications History ..... Steve Weinstein  
Distinguished Lecturers Selection ..... George Rouskas

Emerging Technologies ..... Heiner Stuetzgen  
Fellow Evaluation ..... Lionel Ni  
Technical Committees Recertification ..... Luigi Fratta

### **EDUCATIONAL SERVICES**

Chair/Director ..... Rulei Ting  
Staff ..... Adam Greenberg, Tara Gallus  
Michele Zorzi, University of Padova  
David Michelson, University of British Columbia  
Fabrizio Granelli, University of Trento  
Michael Devetsikiotis, North Carolina State University  
Neelesh Mehta, Indian Institute of Science, Bangalore  
Periklis Chatzimisios, Alexander TEI of Thessaloniki  
Tarek El-Bawab, Jackson State University  
Rhys Bowley, National Instruments  
Yves Lostanlen, SIRADEL / University of Toronto

### **TECHNICAL SERVICES**

Chair/Director ..... Qian Zhang

#### **Members:**

Jalel Ben Othman, University of Paris 13  
Ying Chang Liang, Institute for Infocomm Research  
Xiaodong Lin, University of Ontario Institute of Tech.  
Yonggang Wen, Nanyang Technological University  
Tarik Taleb, Aalto University  
Raouf Boutaba, University of Waterloo  
Jie Li, University of Tsukuba  
Latif Ladid, IPv6 FORUM  
Luigi Fratta, Instituto Politecnico Nacional  
Michele Zorzi, University of Padova

# TECHNICAL COMMITTEES

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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.

## Ad Hoc & Sensor Communications & Networks (AHSN)

Chair ..... Jalel Ben Othman  
Vice Chair ..... Cheng Li  
Secretary ..... Soumaya Cherkaoui  
Standards Liaison ..... R. Vekatasha Prasad  
Student Competition Program ..... Azzedine Boukerche

This committee serves as ComSoc’s focal point in the area of wireless ad hoc and sensor networks technologies and will play an active role in stimulating and organizing leading- edge wireless ad hoc and sensor networks symposia, workshops, sessions and tutorials at ICC, GLOBECOM, SECON and other premier M&C venues.

## Cognitive Networks (TCCN)

Chair ..... Ying Chang Liang  
Vice Chair Asia Pacific ..... Jianwei Huang  
Vice Chair North America ..... Octavia Dobre  
Vice Chair Europe/Africa ..... R. Venkatesha Prasad  
Secretary ..... Oliver Holland  
Standards Liaison ..... Mouli Chandramouli  
Student Competition Program ..... Venkatesha Prasad

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 ..... Xiaodong Lin  
Vice Chair for Conferences ..... Abderrahim Benslimane  
Vice Chair for Publications ..... Francesco Chiti  
Secretary ..... Rongxing Lu  
Standards Liaison ..... Neeli Prasad  
Student Competition Program ..... Mohamed M. E. A. Mahmoud

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 ..... Scott Poretzky
- Chair-Elect ..... Tetsuya Yokotani
- Vice Chair-Operations ..... Kohei Shiimoto
- Vice Chair-Publications ..... Weider Yu
- Vice Chair- Social Media ..... Chris Mayer
- Vice Chair- Program Development ..... Michael Ryan
- Treasurer ..... Kevin Krantz
- Secretary ..... Tara Timblin

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 ..... Lynda Mokdad
- Vice Chair ..... Hacene Fouchal
- Secretary ..... Adlen Ksentini
- Standards Liaison ..... Jaime Lloret
- Student Competition Program ..... Hacene Fouchal

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 ..... Abdelhamid Mellouk
- Vice Chair ..... Jun Zheng
- Secretary ..... Jian Tang
- Conferences Chair ..... Nirwan Ansari
- Standards Liaison ..... Henry Suthon
- Student Competition Program ..... Roberto Rojas-Cessa

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 & Modeling (CSIM)**

Chair ..... Christos Verikoukis  
Vice Chair ..... Dzmitry Kliazovich  
Secretary ..... Burak Kantarci  
Standards Liaison ..... John Vardakas, Stefano Giordano  
Student Competition Program ..... Nizar Zorba

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 ..... Matthew Valenti  
Vice Chair ..... Erik Perrins  
Secretary ..... Maite Brandt-Pearce  
Standards Liaison ..... George Alexandropoulos  
Student Competition Program ..... Hideki Ochiai

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 ..... James P.G. Sternbenz  
Vice Chair ..... Jörg Ott  
Secretary ..... Dan Massey  
Standards Liaison ..... R. Venkatesha Prasad  
Student Competition Program ..... Falko Dressler

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 ..... Bane Vasic  
Vice Chair (Academia) ..... Kui Cai  
Vice Chair (Industry) ..... Xinde Hu  
Secretary ..... Brian M. Kurkosi  
Treasurer ..... Qi Qi

Standards Liaison .....	Lara Dolecek
Student Competition Program .....	Qi Qi

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 .....	Nazim Agoulmine
Vice Chair .....	Hsi-Pin Ma
Secretary .....	Honggang Wang
Standards Liaison .....	Hsi-Pin Ma
Student Competition Program .....	Honggang Wang

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 .....	Jinsong Wu
Vice Chair - Asia/Pacific .....	Chih-Lin I
Vice Chair – Americas .....	Fei Richard Yu
Vice Chair - Europe/Africa .....	Chuan Heng Foh
Vice Chair - Standards Activities .....	Shengjie Zhao
Secretary .....	Sumei Sun
Standard Liaisons .....	Shengjie Zhao, Jinsong Wu
Student Competition Program .....	Kai Yang

The goal of TCGCC 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 investigates using communications, computing, and relevant systems to achieve green objectives for the sustainable world.

### **Information Infrastructure & Networking (IIN)**

Chair .....	Pascal Lorenz
Vice Chair .....	Rami Langar
Secretary .....	Periklis Chatzimisios
Student Competition Program .....	Sidi Mohamed Senouci

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.

### **Innovation & Standards in Information & Communication Technologies**

Chair .....	SM Hasan
Vice Chair .....	Stephen Bush
Secretary .....	Dinesh Datla
Student Competition Program .....	Harpreet Dhillon

The goal of this committee is to foster and promote research related to theory and methodology of innovation and standardization in information and communication technologies; to foster contributions from academic and industrial research organizations to global standards activities; and to foster undergraduate and graduate academic curricula and continuing education in innovation and standardization areas. The subcommittee organizes conferences and workshops, articles for journals and magazines, as well as tutorials, short courses, and Distinguished Lectures on the topic of innovations and standards in Information and Communication Technologies.

### **Internet (ITC)**

Chair .....	Stefano Secci
Vice Chair .....	Dijiang Huang
Secretary .....	Michele Nogueira
Standards Liaison .....	Periklis Chatzimisios
Student Competition .....	Michele Nogueira

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.

## Multimedia Communications (MMC)

Chair .....	Shiwen Mao
Steering Committee Chair .....	Zhu Li
Vice Chair (America) .....	Sanjeev Mehrotra
Vice Chair (Asia) .....	Fen Hou
Vice Chair (Europe) .....	Christian Timmerer
Vice Chair (Letters and Member Communications)...	Honggang Wang
Secretary .....	Wanqing Li
Standard Liaison .....	Liang Zhou
Student Competition Program .....	Sanjeev Mehrotra

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 & Management (CNOM)

Chair .....	Lisandro Granville
Vice Chair .....	Deep Medhi
Technical Program Chair .....	Filip de Turck
Secretary .....	Shingo Ata
Standards Liaison .....	Marcus Brunner
Student Competition Program .....	Alberto Egon Schaeffer Filho

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 .....	George Rouskas
Vice Chair .....	Xiaojun (Matt) Cao
Secretary .....	Luca Valcarenghi
Student Competition Program .....	Vinod Vokkarane

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 .....	Andrea Tonello
Vice Chair .....	Haniph Latchman
Secretary .....	Gerd Bumiller
Standards Liaison .....	Haniph Latchman
Student Competition Program.....	Bamidele Adebisi

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 .....	Hanna Bogucka
Vice Chair .....	Andrea Giorgetti
Secretary .....	Yuan Shen
Standards Liaison .....	George Chrisikos
Student Competition Program .....	Alberto Rabbachin

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 .....	Pascal Lorenz
Standards Liaison .....	Henry Suthon
Student Competition Program .....	Song Guo

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 & Communications Electronics (SPCE)

Chair .....	Hai Lin
Vice Chair .....	Octavia Dobre
Secretary .....	Xianbin Wang
Standards Liaison .....	Rath Vannithamby
Student Competition Program .....	Shaodan Ma

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.

## Social Networks

Chair .....	Kwang-Cheng Chen
Vice Chairs .....	Symeon Papavassiliou, Steven Wicker
Secretary .....	Chunting Chou
Student Competition Program .....	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:

## Transmission, Access & Optical Systems (TAOS)

Chair .....	Ahmed Kamal
Vice Chair .....	Athanassios Manikas
Secretary .....	Fabrizio Granelli
Standards Liaison .....	Frank Effenberger
Student Competition Program .....	Walter Cerroni

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 ..... Tarik Taleb  
Vice Chair..... Shuguang Cui  
Secretary ..... Wei Zhang  
ENDING TERM June 2017 (2 PEOPLE BELOW)  
Standards Liaison ..... Anass Benjebbour  
Student Competition Program ..... Chuan Huang

The mission 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



Larry Xue  
*Vice President*

Vice President ..... Larry Xue  
Staff ..... Aileen Norton

## CONFERENCES COUNCIL

Chair ..... Larry Xue

### Members

Director - Conference Development ..... Kazem Shoraby

Director - Conference Operations ..... Min Song

Chair - GLOBECOM/ICC Management & Strategy..... Alan Kaplan

Chair - GLOBECOM/ICC Technical Content ..... Thomas Hou

### Conference Development Board

Chair ..... Kazem Shoraby

### Conference Operations Board

Chair ..... Min Song

### Members-at-Large

 Members serve on both boards

(Appointed by Directors)

Fred Bauer (SECON)

Harvey Freeman (Infocom)

Vincent Chan (OFC)

Khaled B. Letaief (WCNC)

Falko Dressler (TAC Liaison)

Qingqing Zhang (Milcom)

Rob Fish (Standards)

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)

..... Alan Kaplan

GLOBECOM/ICC Technical Content (GITC)

..... Thomas Hou



# COMSOC PORTFOLIO EVENTS

## UPCOMING CONFERENCES

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Embrace 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.

### ATC

International Conference On Advanced Technologies For Communication

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 2016 – Hanoi, VIETNAM

<http://www.rev-conf.org/>

General Chairs: ..... Hikmet Sari, Chu Duc Trinh, Tran Xuan Tu,  
Tran Xuan Nam, Nguyen Huu Thanh  
Technical Program Chairs: ..... Stefano Bregni, Tran Duc Tan, Vu Van Yem  
Steering Committee Chairs: ...Harvey Freeman, Phan Anh, Nguyen Thanh Thuy,  
Truong Vu Bang Giang, Hoang Dang Hai

### IEEE ANTS

Advanced Networks & Telecommunication Systems

ANTS fosters strong relationship in the telecom field across diverse stakeholders: from industry to academics to government; from researchers to practitioners to business professionals; from system vendors to equipment manufacturers to telecom network operators.

#### IEEE ANTS 2016 – Bangalore, INDIA

[www.ieee-comsoc-ants.org](http://www.ieee-comsoc-ants.org)

General Chairs: ..... K V S Hari, Pamela Kumar, Vinod Vokkarane  
Technical Program Chairs: ..... David Koilpillai, Sudip Misra, Parimal Parag  
Steering Committee Chair: ..... Sudhir Dixit

### 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, and techniques for the performance evaluation of communications systems, bringing together top-level engineers and researchers from around the globe.

## **IEEE CAMAD 2016 – Toronto, ON, CANADA**

[www.ieee-camad.org/](http://www.ieee-camad.org/)

General Chairs: ..... Jelena Mistic, Burak Kantarci  
Technical Program Chairs: ..... Dongmei Zhao, Petros Spachos,  
Marco Di Renzo, Ioannis Papapanagiotou  
Steering Committee Chair: ..... Fabrizio Granelli

## **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 2017 – Las Vegas, NV, USA**

[www.ieee-ccnc.org](http://www.ieee-ccnc.org)

Technical Program Chairs: ..... Pietro Manzoni, Ben Lee  
Steering Committee Chair: ..... Robert Fish

## **IEEE CCW**

Workshop on Computer Communications

The Annual Workshop on Computer Communications is the annual flagship meeting of the Technical Committee on Computer Communications. It provides a small, intimate setting and a relaxed ambiance, where participants can concentrate on technical interchange with their colleagues and enjoy unique social events and experiences.

## **IEEE CCW 2016 - TBD**

[www.ieee-ccw.org/](http://www.ieee-ccw.org/)

General Chair: ..... TBD  
Steering Committee Chair: ..... TBD

## **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 2016 – Stevenson, WA, USA**

[www.ieee-cqr.org](http://www.ieee-cqr.org)

General Chairs: ..... Chris Mayer, Tara Timblin  
Technical Program Chairs: ..... Miki Yamamoto, Ana Goulart

## 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 2016 – Nafplio, GREECE

[www.ieee-ctw.org](http://www.ieee-ctw.org)

General Chairs: ..... Marios Kountouris, Constantinos B. Papadias

Technical Program Chairs: ..... Giuseppe Caire, Angel Lozano

## 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 2017 – Baltimore, MD, USA

[www.ieee-dyspan.org](http://www.ieee-dyspan.org)

General Chairs: ..... J Nicholas Laneman, Matthew Hussey

Technical Program Chairs: ..... Przemysław Pawełczak, Ralf Bendlin

Steering Committee Chair: ..... Paul Kolodzy

## IEEE EDOC

Enterprise Distributed Object Computing Conference

EDOC addresses the full range of engineering technologies and methods contributing to enterprise distributed application systems.

### IEEE EDOC 2016 – Vienna, AUSTRIA

<http://edoc2016.univie.ac/>

General Chair: ..... Stefanie Rinderle-Ma

Steering Committee Chair: ..... Joao Paulo A. Almeida

## 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 and forums, and an exhibition. The program has been developed to fulfill the needs of both academia and industry.

### IEEE GLOBECOM 2016 – Washington, DC, USA

[www.ieee-globecom.org/](http://www.ieee-globecom.org/)

General Chair: ..... Bijan Jabbari

Technical Program Chair: ..... Sherman Shen

GLOBECOM/ICC Steering Committee Chairs: ..... Tom Hou, Alan Kaplan

## **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 2016 – Kuala Lumpur, Malaysia**

[www.ieee-icc.org](http://www.ieee-icc.org)

General Chair: ..... Dato' Sri Jamaludin Ibrahim  
Technical Program Chairs: ..... Stefano Bregni, Nelson Fonseca  
GLOBECOM/ICC Steering Committee Chairs: ..... Tom Hou, Alan Kaplan

## **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 2017 – Lisbon, PORTUGAL**

[www.ieee-im.org](http://www.ieee-im.org)

General Chairs: ..... Prosper Chemouil, Edmundo Monteiro  
Technical Program Chairs:..... Marinos Charalambides, Edmundo Madeira,  
Paulo Simões  
Steering Committee Chair: ..... James Hong

## **IEEE INFOCOM**

International Conference on Computer Communications

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

### **IEEE INFOCOM 2017 – Atlanta, GA, USA**

[www.ieee-infocom.org](http://www.ieee-infocom.org)

General Chair: ..... Ozgur B. Akan  
Technical Program Chairs: ..... Falko Dressler, Eylem Ekici, Wenye Wang  
Steering Committee Chair: ..... Tom Hou

## **IEEE ISCC**

International Symposium on Computers and Communications

The IEEE symposium on Computers and Communications began in 1995 in response to the growing interaction between the fields of computers and communications.

**IEEE ISCC 2016 – Messina, ITALY**

[www.ieee-isc.org](http://www.ieee-isc.org)

General Co-Chairs: ..... Antonio Corradi, Sartaj Sahni, Massimo Villari

Technical Program Chairs: ..... Antonio Celest, Luca Foschini

**IEEE ISPLC**

International Symposium on Power Line Communications

A forum for the discussion of the issues associated with the use of electrical power distribution wires as a viable communication channel.

**IEEE ISPLC 2017 – Madrid, SPAIN**

[www.ieee-isplc.org](http://www.ieee-isplc.org)

General Program Chair: ..... Miguel Angel Sanchez Fornie

Technical Program Chairs: ..... Alberto Sendin, Andrea Tonello,

Moises Vidal Ribeiro, Weilin Liu

Steering Committee Chair: ..... Andrea Tonello

**IEEE IWQoS**

Workshop 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, including related issues such as availability, reliability, security, pricing, resource management, and performance guarantees.

**IEEE IWQoS 2016 – Beijing, CHINA**

[www.ieee-iwqos.org](http://www.ieee-iwqos.org)

General Chair: ..... Ping Zhang

Technical Program Chair: ..... Ke Xu

Steering Committee Chair: ..... Jiangchuan Liu

**IEEE LAN/MAN**

Workshop on Local & Metropolitan Area Networks

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

**IEEE LAN/MAN 2016 – Rome, ITALY**

<http://www.ieee-lanman.org>

General Chairs: ..... Nicola Blefari Melazzi, Vishal Misra

Technical Program Chairs: ..... Giuseppe Bianchi, Arata Koike

Steering Committee Chair: ..... George Rouskas

## **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 2016 – Istanbul, TURKEY**

[www.ieee-noms.org](http://www.ieee-noms.org)

General Chairs: ..... Sema Oktug, Mehmet Ulema

Technical Program Chairs: ..... Brendan Jennings, Melike Erol-Kantarci,  
Helmut Reiser

Steering Committee Chair: ..... Raouf Boutaba, Markus Brunner, Alex Clemm

## **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 2016– Valencia, SPAIN**

[www.ieee-pimrc.org](http://www.ieee-pimrc.org)

Technical Chairs: ..... Narcís Cardona, Luis M. Correia

Steering Committee Chair: ..... Hamid Aghvami

## **IEEE SECON**

Sensor, Mesh and Ad Hoc Communications and Networks

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

### **IEEE SECON 2016 – London, UK**

[www.ieee-secon.org](http://www.ieee-secon.org)

General Chairs:..... Mischa Dohler, Kin K. Leung

Technical Program Chairs: ..... Julie A. McCann, Prasun Sinha

Steering Committee Chair: ..... Fred Bauer

## **IEEE WCNC**

Wireless Communications & Networking Conference

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

**IEEE WCNC 2017 – San Francisco, CA, USA**

[www.ieee-wcnc.org](http://www.ieee-wcnc.org)

General Chairs: ..... Andrea Goldsmith, Katie Wilson  
Technical Program Chairs: ..... Shugang Cui, Elza Erkip, Angel Lozano  
Steering Committee Chair: ..... Khaled B. Letaief

**MILCOM**

IEEE/AFCEA Military Communications Conference

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

**MILCOM 2016 – Baltimore, MD, USA**

[www.milcom.org](http://www.milcom.org)

Technical Program Chair..... Jerry Brand

**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. ComSoc steering committee representatives: Robert Doverspike, Vincent Chan and Loudin Blair, Ori Gerstel as Steering Committee Chair, and Doug Zuckerman as Long Range Planning Committee rep

**OFC 2017 – Los Angeles, CA, USA**

[www.ofcconference.org](http://www.ofcconference.org)

General Chairs: ..... Andrew Lord, Shu Namiki, Peter Winzer  
Technical Program Chairs: ..... Gabriella Bosco, Jörg-Peter Elbers,  
Laurent Schares

**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 2016 – Sydney, AUSTRALIA**

[www.ieee-smartgridcomm.org](http://www.ieee-smartgridcomm.org)

General Chairs: ..... George Maltabarow, Z.Y. Dong  
Technical Program Chair:..... Abbas Jamalipour  
Steering Committee Chair:..... Lutz Lampe

**IEEE HPSR**

International Conference on High Performance Switching and Routing

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

**IEEE HPSR 2016 – Yokohama, JAPAN**

[www.ieee-hpsr.org](http://www.ieee-hpsr.org)

General Chair: ..... Helio Waldman  
Technical Program Chairs: ..... Paulo Cardien, Malathi Veeraraghavan,  
Paolo Monti, Weiqiang Sun  
Steering Committee Chair: ..... Nirwan Ansari

**IEEE CogSIMA**

IEEE Cognitive Methods in Situation Management

The IEEE CogSIMA Conference invites scientists and engineers from industry, academia, and government to present technical papers on their research and development results and operational experiences in areas of situation management, cognitive fusion, intelligent sensor networks, and related applications.

**IEEE CogSIMA 2017 – Savannah, GA, USA**

[www.ieee-cogsima.org](http://www.ieee-cogsima.org)

General Chair: ..... Kristin Schaefer-Lay  
Technical Program Chairs: ..... Tom Ziemke, Mica Endsley, Christian Lebiere

**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 2017 – Hong Kong, China**

<http://www.icme2017.org/>

General Chairs: ..... TBD



## IEEE VNC

IEEE Vehicular Networking Conference

IEEE Vehicular Networking Conference brings together researchers, professionals, and practitioners 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 2016 – Columbus, OH, USA**

[www.ieee-vnc.org/](http://www.ieee-vnc.org/)

General Chairs: ..... Eylem Ekici, Onur Altintas  
Technical Program Chairs: ..... Hsin-Mu (Michael) Tsai, Miguel Sepulcre  
Steering Committee Chair: ..... Onur Altintas

## 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 2016 – Munich, GERMANY**

[www.ieee-healthcom.org/](http://www.ieee-healthcom.org/)

General Chairs: ..... Christoph Thuemmler, Chunxue Bai  
Technical Program Chairs: ..... Armin Schneider, Joel Rodrigues, Mojca Volk  
Steering Committee Chair: ..... Joel Rodrigues

## IEEE ONLINEGREENCOMM

IEEE Online Conference on Green Communications

GreenCom is an online conference that reduces CO2 emissions by not requiring participants to travel. It features the latest developments in green communications covering energy-efficient communication technologies as well as communications for green technologies. Subjects include methodologies and architectures for energy efficiency, energy efficient protocols and networks, energy management, and communications for smart grids, green buildings, energy efficient transport and logistics.

**IEEE ONLINEGREENCOMM 2016 – Virtual**

<http://onlinegreencomm2016.ieee-onlinegreencomm.org/>

General Chairs: ..... Emad Alsusa, Marco Ruffini  
Technical Program Committee Chairs: ... Paolo Monti, Andres Garcia Saavedra,  
Chin Keong Ho

## 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 2016 – Chengdu, CHINA

[www.ieee-iccc.org](http://www.ieee-iccc.org)

General Chairs: ..... Shaoqian Li, Xinsheng Zhang  
Technical Program Chairs: ..... Supeng Leng, Yan Zhang, Nei Kato, Guang Shi  
Steering Committee Chair: ..... Xuemin (Sherman) Shen

## 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 to share R&D results, to meet and to network. It is an offer of the Communication Society to reach out to its members in Latin America and to offer them a venue meeting the specific needs of their region.

#### LatinCom 2016 - Medellin, COLOMBIA

[www.ieee-latincom.org](http://www.ieee-latincom.org)

General Chair: ..... Ferney Amaya  
Technical Program Chairs: ..... Yezid Donoso, Charalabos Skianis  
Steering Committee Chair: ..... Nelson Fonseca

## 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, 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 2016 – Pisa, ITALY

[www.ieee-cloudnet.org](http://www.ieee-cloudnet.org)

General Chair: ..... Stefano Giordano  
Technical Program Chairs: ..... Deep Medhi, Achille Pattavina  
Steering Committee Chair: ..... Raouf Boutaba

## 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 to exchange ideas, techniques and 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 2016 – Philadelphia, PA, USA

[www.ieee-cns.org](http://www.ieee-cns.org)

General Chair: ..... Jie Wu  
Technical Program Chairs: ..... Yingying Chen, Tilman Wolf  
Steering Committee Chair: ..... Wenjing Lou

## IEEE WF-IOT

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 2016 – Reston, VA, USA

<http://wfiot2016.ieee-wf-iot.org/>

General Chairs: ..... Geoff Mulligan, Latif Ladid  
Technical Program Chairs: ..... Antonio Skarmeta, Philip Hall

## 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 over the world to the shores of the Black Sea and interact with their colleagues from 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 2016 - Varna, BULGARIA**

[www.ieee-blackseacom.org](http://www.ieee-blackseacom.org)

General Chairs: ..... Erdal Panayircı, Alexander Gelman

Technical Program Chairs: ..... Albena Mihovska, Malathi Veeraraghavan

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..... Ori Gerstel, Pat Iannone  
EIC, *IEEE/ACM Transactions on Networking* ..... R. Srikant  
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Communications* ..... Urbashi Mitra  
EIC, *IEEE Transactions on Cognitive Communications &  
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<i>Steering Committee, IEEE/OSA Journal of Lightwave Technology</i> .....	Karen Liu, Pat Trischitta
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<i>IEEE Transactions on Cloud Computing (TCC)</i> .....	Sherman Shen, Vincent Chan
<i>IEEE/ACM Transactions on Networking</i> .....	Anurag Kumar, Anja Feldman, Jennifer Yates
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<i>IEEE Transactions on Wireless Communications</i> .....	Chengshan Xiao, Gerhard Fettweis, Hamid Jafarkhani
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<i>IEEE Wireless Communications Letters</i> .....	Dong In Kim, Angel Lozano, George Ginis, Sennur Ulukus

## Magazines Board

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EIC, <i>IEEE Wireless Communications Magazine</i> .....	Hamid Gharavi
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Region 6 Representative ..... Upkar Dhaliwal

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DLT/DSP coordinator ..... Zafar Taqvi

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Anader Benyamin (R7 DLT Support)

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Through cooperative agreements with national industry societies, ComSoc members can subscribe to outstanding journals and attend key industry events sponsored or published by our sister societies and related societies (at substantially discounted subscription rates).

## 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)  
International Telecommunications Union (ITU)  
Internet Society (ISOC)  
OpenFog Consortium  
Optical Society of America (OSA)  
Pacific Telecommunications Council (PTC)

## 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, Croatia (CCIS)
CZECH REP/SLOVAKIA...	Czech & Slovak Radioengineering Society (SR)
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 in Malta (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 .....	The South African Institute of Electrical Engineers (SAIEE)
SOUTH KOREA .....	The Korean Institute of Communications & Information Sciences (KICS)
TAIWAN .....	Chinese Institute of Electrical Engineering (CIEE)
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Chair - PLC Steering Committee ..... Jean-Philippe Faure  
Chair - ISICT Committee ..... SM Hassan  
Chair – Industry Content & Exhibition Committee (ICEC) .... Ian Wong  
Chair – Industry Verticals Ad-Hoc Committee ..... Celia Desmond

## Standards Development Board

Chair ..... Mehmet Ulema  
Vice Chair / Treasurer ..... Glen Kramer  
Secretary ..... Niranth Amogh  
Ex Officio ..... Robert Fish

### Additional Members

Jean-Philippe Faure	Chih-Lin I
Hiroshi Harada	Jon Rosdahl
Brian Daly	Ariel Sobelman

Advisors ..... Alex Gelman, Kevin Lu, Curtis Siller  
IEEE-SA ..... Soo Kim

## Standardization Programs Development Board

Chair ..... Alex Gelman  
Ex officio ..... Robert Fish

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SM Hassan	Tarik Taleb
Stephen Bush	Ranga Rao Venkatesha Prasad

Advisor ..... Mehmet Ulema

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Ex Officio – VP Standards & Industry ..... Robert Fish

Liaison – VP Member & Global Activities ..... Stefano Bregni

Liaison ..... Ian Wong, Chair ICEC

Past Director ..... Stan Moyer

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Koichi Asatani

Rose Qingyang Hu

Gerhard Fettweis

Priyadarsan Patra

Christian Makaya

Roger Piqueras

Komlan Ego

Staff ..... Susan Brooks, Adam Greenberg,  
Munir Mohammed, Hwa Chiang Leo

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Chair ..... Ian Wong

### Members

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Narisa Chu

Peter Mueller

Hendrik Berndt

# STANDING COMMITTEES

## AWARDS

Chair (Appointed by President) ..... Lajos Hanzo  
Staff ..... Carol Cronin

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

<b>2014-2016</b>	<b>2015-2017</b>	<b>2016-2018</b>
Anja Klein	Yuguang Michael Fang	Octavia Dobre
Geoffrey Y. Li	Nei Kato	Bob Shapiro
Hussein Mouftah	Ranjan Mallik	Murat Uysal
Anthony C.K. Soong	Sonia Aissa	Wenye Wang
Branka Vucetic	Junshan Zhang	Tilman Wolf

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Chair (Appointed by President) ..... Steve Weinstein  
Staff ..... Carol Cronin

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

2014-16 ..... David Falconer  
2016-18 ..... Bill Tranter, John Vig

## ComSoc YOUNG PROFESSIONALS

(Aligns under President)

Chair ..... Lola Awoniyi-Oteri

### Members

Sarang Shaikh	Aaron Yi Ding
Imran Shafique Ansari	Vydeki Vijayakuma
Angela Sara Cacciapuoti	Rentao Gu
Richard Cziva	

## DISTINGUISHED LECTURERS SELECTION

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Staff ..... Carol Cronin

### Members

Vice President – Technical & Educational Activities ..... Luigi Fratta  
Vice President – Member & Global Activities..... Stefano Bregni  
Director – Membership Services.....Zhensheng Zhang  
Chair – Emerging Technologies ..... Heiner Stuetzgen

## EMERGING TECHNOLOGIES

Chair (Appointed by President from SPC) ..... Heiner Stuetzgen  
Staff ..... Carol Cronin

**Members**

EIC, *IEEE Journal on Selected Areas in Communications* ..... Muriel Medard  
 .....  
 EIC, *IEEE Communications Magazine* ..... Osman S. Gebizlioglu  
 Representative, Strategic Planning Committee ..... Mark Karol

<b>2014-2016</b>	<b>2015-2017</b>	<b>2016-2018</b>
James Hong	Tomohiko Taniguchi	Gerhard Fettweis
Roberto Saracco	Shuguang (Robert) Cui	Besma Smida

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AND CHAIRS**

5G Mobile Wireless Internet ..... Latif Ladid  
 Autonomic Communications ..... Raouf Boutaba  
 Big Data ..... Jie Li  
 Backhaul Networking & Communications .....  
 .....Muhammad Zeeshan Shakir  
 Cable Networks & Services ..... Mehmet Toy  
 Cloud Communications & Networking ..... Masum Z. Hasan  
 Integrated Fiber &Wireless Technologies ..... Hussein Mouftah  
 Internet of Things ..... Latif Ladid  
 Nano-Scale, Molecular, and Quantum Networking ....Tadashi Nakano  
 Quantum Communications & Information Technology ... Lajos Hanzo  
 Situation Management ..... Gabe Jakobson  
 Smart Grid Communications ..... Vincent Wong  
 Software Defined Networking & Network Function Virtualization .....  
 ..... Ciprian Popoviciu  
 Tactile Internet ..... Meryem Simsek  
 Vehicular Networks & Telematics Applications ..... Tao Zhang

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Chair (Appointed by President) ..... Lionel Ni  
 Staff ..... Carol Cronin

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

<b>2014-2016</b>	<b>2015-2017</b>	<b>2016-2018</b>
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Robert Heath	Mung Chiang	Wanjiun Liao
Sherman Shen	Ross Murch	Tomohiko Taniguchi

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 Executive Director ..... Susan M. Brooks  
 Staff ..... Bruce Worthman

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President ..... Harvey Freeman  
Past President (or President-Elect) ..... Sergio Benedetto

Vice Presidents ..... Guoliang (Larry) Xue, Luigi Fratta,  
Stefano Bregni, Nelson Fonseca, Robert Fish  
CIO ..... Tao Zhang  
MALs (class representatives) ..... Hsiao-Hwa Chen, Steve Gorshe,  
Tom Hou

## GLOBALCOM/ICC MANAGEMENT & STRATEGY (GIMS)

Chair ..... Alan Kaplan  
Staff ..... Aileen Norton

### GIMS Voting Members

Alan Kaplan ..... GIMS Chair  
Tom Hou ..... GITC Chair

### Members at Large (MAL)

Fambirai Takawara  
Erdal Panayirci  
Peter Nagy  
Dilip Krishnaswamy

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Stan Moyer ..... Vice Chair  
Rolland Vida ..... Operations Mgr.

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Aileen Norton ..... Conference Director  
Representatives From Future ICC/GC Conferences

## GLOBALCOM/ICC TECHNICAL CONTENT (GITC)

Chair ..... Tom Hou  
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Zhisheng Niu	Shiwen Mao	Alan Kaplan (GIMS Chair)
Abbas Jamalipour	Peter Rost	

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Sonia Aissa  
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Zhisheng Niu	Liljana Gavrilovska	H. Vincent Poor
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Staff ..... Susan M. Brooks

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Mischa Dohler	Elena Neira
Chih-Lin I	Tania Quiel
Wanjun Liao	Heinrich J. Stuetzgen

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Robert Fish	Guoliang (Larry) Xue
Luigi Fratta	

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Nei Kato	Steve Gorshe	Robert Schober

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Vice Chair ..... Jean Armstrong  
Publicity Chair ..... Sinem Coleri Ergen  
Secretary ..... Ana Garcia Armada  
Industry Relation Coordinator ..... Nada Phillip  
Student Activity Coordinator ..... Meryem Simsek  
IEEE WIE Committee Society Coordinator .....  
..... Mari Carmen Aguayo-Torres  
Student Competition Rep. .... Maite Brandt-Pearce  
Staff ..... Carol Cronin

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

<b>2014-2017</b>	<b>2015-2017</b>
Shalinee Kishore	Urbashi Mitra
Sarah Kate Wilson	Meixa Tao

# AD HOC COMMITTEES

## FELLOW REVIEW PROCESS

Chair ..... T. Russell Hsing

### **Members**

Nim Cheung

Robert Fish

Lionel Ni

Curtis Siller

John Vig

Doug Zuckerman

# OMBUDSMAN

[www.comsoc.org/ombudsman](http://www.comsoc.org/ombudsman) ..... Steve Weinstein

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

<b>Vehicular Technology Society</b>	David Michelson ..... 2012-16
<b>Technical Activities Board (TAB) &amp; Committees</b>	
Technical Activities Board	Celia Desmond ..... 2016 -17
Awards & Recognition	Mark Karol ..... 2015-16
Conferences Committee	Robert Fish ..... 2013-16 Sergio Benedetto ..... 2015-16
Future Directions Committee	Roberto Saracco (Ch)..... 2013-16 Doug Zuckerman ..... 2015-17 Roberto Minerva ..... 2016
IEEE Big Data Initiative Steering Committee	Dave Belanger (Ch) ..... 2015-17 Doug Zuckerman ..... 2015-17 Mahmoud Daneshmand ..... 2015-17
Hall of Honor Selection Committee	Roberto de Marca ..... 2016-18
Management Committee	Roberto Saracco ..... 2015-16
Nominations & Appointments	Harvey Freeman ..... 2016-17
PSPB Products & Services Committee	Michele Zorzi ..... 2016
Periodicals Committee	Khaled Letaief ..... 2013-16
Strategic Planning Committee	Roberto Saracco ..... 2014-16
Young Professionals Committee	Celia Desmond ..... 2016

### **IEEE Committees & Boards (other than TAB)**

Board of Directors	Celia Desmond .....	2014-16
Awards Board	Mark Karol .....	2013-16
IEEE Cloud Computing Steering Committee	Doug Zuckerman .....	2015-16
Employee Benefit & Compensation Committee	Robert Fish .....	2014-16
	Adam Drobot .....	2015-16
Eric E. Sumner Award Committee	Stefano Galli (Member) ....	2015-2016
IEEE Fellows Committee	Stefano Galli (VC) .....	2016
Fellows Strategic Planning Subcommittee	Stefano Galli (Ch) .....	2016
Governance	Doug Zuckerman .....	2016
Public Visibility	Gustavo Giannattasio .....	2015-16
Nominations & Appointments	Roberto de Marca (Ch) .....	2016
Smart Grid Steering Committee	Stefano Galli (Member) .....	2015-17
Smart Grid Technical Activities Committee	Stefano Galli (Co-Chair) .....	2015-17
Ad Hoc Committee on IEEE in 2030	Celia Desmond .....	2016
Ad Hoc Committee on Industry Engagement	Robert Fish .....	2016
Ad Hoc Committee on Industry Engagement	Robert Fish .....	2016
Ad Hoc Committee on Internet Initiative	Glenn Parsons .....	2016

### **IEEE Links**

Volunteer Opportunities at TAB:

[http://www.ieee.org/about/volunteers/tab/tab\\_volunteering.html](http://www.ieee.org/about/volunteers/tab/tab_volunteering.html)

TAB Nominations & Appointments Process & Forms:

[http://www.ieee.org/about/corporate/nominations/nominations\\_guidelines.html](http://www.ieee.org/about/corporate/nominations/nominations_guidelines.html)

IEEE Major Boards & Standing Committees:

[http://www.ieee.org/about/corporate/standing\\_committees.html](http://www.ieee.org/about/corporate/standing_committees.html)

IEEE Nominations & Appointments Opportunities:

[http://www.ieee.org/about/corporate/nominations/nominations\\_guidelines.html](http://www.ieee.org/about/corporate/nominations/nominations_guidelines.html)

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Carole Swaim	2007
Ting Qian	2009
Bruce Worthman	2011
Carol Cronin	2014



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# 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 chapters, 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 \$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 \$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 \$3,000 per tour. No more than two or three tours of this type should 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 for posting at the DL Site. They may also be asked to record their lecture after the tour for the Online Distinguished Lecturers Program. And, therefore, someone from IT staff would then contact you 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 and meals, plus 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](http://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 \$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 other 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, who, 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. Then the DS sends 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 2016

\*\*term effective through 31 December 2017

## **S. Aissa (Sonia) \*\***

aissa@emt.inrs.ca

Canada

- Cognitive Radio and Dynamic Spectrum Access
- Energy Harvesting Communication Networks
- Wireless Power Transfer

## **M.S. Alouini (Mohamed-Slim) \*\***

slim.alouini@kaust.edu.sa

Saudi Arabia

- Addressing spectrum scarcity through optical wireless communications
- Pushing the envelope of wireless sensor networks

## **A.Banchs (Albert) \*\***

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Spain

- Offloading Cellular Traffic through Opportunistic Communications
- Performance Analysis and Optimization of wireless networks
- An Overview of 5G mobile networks
- Applying control and game theory to wireless networking

## **A.Begen (Ali) \*\***

acbegen@ieee.org

Turkey

- Multimedia Communications
- Networked Entertainment
- IPTV Technologies and Content Delivery
- Over-the-Top Video and Streaming

## **J. Ben-Othman (Jalel) \***

jbo@univ-paris13.fr

France

- Wireless Communication and Mobile Networking
- Sensor Networks
- VANETS
- Wireless, Mobile Ad hoc and Mesh Networks
- QoS in Heterogeneous Wired and Wireless Networks
- Security: Ad hoc, Sensor and ubiquitous Networks
- Performance Evaluation: Markovian Process, SAN, Queuing Networks
- Cloud Computing

## **A. Chan (Anthony) \*\***

h.anthony.chan@huawei.com

USA (TX)

- 5G and Future Wireless Internet: Changes and Challenges
- Software Defined Network and Network Function Virtualization for Wireless Networks
- Distributed Mobility for Future Mobile Internet
- Role of Communication and Networking in Developing Countries and Digital Divide

## **S. Chen (Shigang) \*\***

sgchen@cise.ufl.edu

USA

- Virtual Sketches and Space Sharing: A Tool Box for Big Data
- Compact and Fast Network Measurement Methods
- Infrastructural RFID Systems and Their Impact on Internet of Things

**Y. Cheng (Yu) \*\***

cheng@iit.edu

- Optimizing wireless networks in a uniformed multi-dimensional resource framework
- Real-time intrusion detection for multimedia application over wireless networks
- Towards a secure and efficient vehicular ad hoc network

**S. Cui (Shuguang) \*\***

cui@ece.tamu.edu

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- An integrated approach to big data analytics and networking
- Renewable energy powered communication system design
- Big data aware next-generation cellular design

**L. DaSilva (Luiz) \*\***

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- Game theory and wireless networks
- Cognitive networks
- Recent advances in dynamic spectrum access
- Network sharing and the virtualisation of the wireless access

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- Energy efficient cloud networks
- Green content distribution networks
- Network and data centre virtualization
- Data centre disaggregation
- Optical networks in data centres
- Energy efficient core networks
- Renewable energy in core and data centre networks
- Energy efficient Peer-to-Peer and IPTV networks
- Visible light communications
- Optical wireless communication systems
- Multigigabit indoor optical wireless multi-user and cooperative systems

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- Networking for Big Data
- Cloud Networking

**A. Gurtov (Andrei) \*\***

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Finland

- Software Defined Mobile Networks: Beyond LTE Network Architecture
- Introduction to Host Identity Protocol and Its Practical Applications
- Security and Smartness for Medical Sensor Networks\*Design and Implementation of Secure Distributed Systems and Networks
- Fair bandwidth allocation in datacenters

**S. Guo (Song) \*\***

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- Cross-Cloud Resource Management for Big Data
- Traffic-aware Geo-distributed Big Data Analytics with Predictable Performance
- Robust Incentive Mechanisms for Cognitive Radio Networks
- Device-to-Device Communication in Cellular Networks

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- Cognitive radio and dynamic spectrum access networking
- Green datacenters
- Cloud computing resource management
- Network virtualization and cloud of things
- Heterogeneous networks

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- Big Data In Smart Grid
- Resource Management for Device-to-Device Communications
- Physical Layer Security: A Network Optimization Point of View
- Resource Allocation for Full-Duplex Communication and Networks
- Smart Grid Communications and Networking
- Game Theory for Wireless Networks
- Compressive Sensing and its Application
- Contract Theory for Wireless Networks
- Matching Theory for Wireless Networks
- RF Energy Harvesting Networks

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- Vehicular Communications and Networking
- Content Streaming for Mobile Devices
- Nano-scale Communications and Networking

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USA (VA)

- Advances on Interference Management in Wireless Networks
- MIMO in Multi-hop Wireless Networks
- New Spectrum Sharing and Cooperation Paradigms for Cognitive Radio Networks
- Wireless Ad Hoc and Sensor Networks for Cyber Physical Systems
- Wireless Energy Transfer for Wireless Sensor Networks
- Applied Optimization Methods for Wireless Networks

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- Design and performance of 5G wireless communications and Networks
- Spectral efficient and energy efficient wireless network design and tradeoff
- Device to Device communications underlay cellular networks



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- Graphical Congestion Games
- Cognitive Virtual Network Operator Games
- Economics of Cooperative Spectrum Sharing
- Economics of TV White Space

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- Network Aware Nodes: A Novel Self-Organization Approach for Internet of Things
- Topology Coordinate Systems - A Localization Free Approach for Self-Organization of Large-Scale 2D and 3D Sensor Networks
- Peer-to-Peer Networks: File Sharing to Collaborative Computing
- Collaborative Peer-to-Peer Systems using Resource Aggregation and Community Caching

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- A Network Management Perspective on Internet-optical Service Convergence
- Theory and Practice of Network Technology Migration to Software Defined Networking

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- D2D: Research Trends and Future Perspective

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- Multi-Input Multi-Output (MIMO); Potential Applications – Myth and Reality
- Multi-band, Multi-service, Sensing Metamaterials; Myth & Reality
- Optical Wireless Applications - A Solution to Ease the Wireless Airwaves Spectrum Crunch
- Optical Wireless: Theory and Applications
- Reconfigurable Optical Wireless Applications in Data Centers
- Academic / Industrial Engineering Experience

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- Research Roadmap Driven by Network Benchmarking Lab: Deep Packet Inspection, Traffic Forensics, Embedded Benchmarking, WLAN/LTE, and Beyond
- Traffic Forensics: Capture, Replay, Classification, Detection, and Analysis
- Benchmarking Smartphones: Methodologies, Tools, and Results
- Open Source Resources for Networking
- Software Defined Networking: Why, Where, When, and How
- Experience Sharing on International Academic Services and Research

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- Fundamental Performance Analysis in Two-Hop Relay Mobile Ad Hoc Networks
- Cooperative Jamming in Wireless Networks with Eavesdroppers at Arbitrary Locations
- Device-to-Device Communication for Load Balancing and Coverage Extension in LTE-Advanced Networks
- Advanced Ad Hoc and Mesh Networks: From Theoretical to Practical

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- Antenna array manifolds and channel capacity
- Spatiotemporal channel estimation and interference cancellation
- Space-time beamformers with massive mainlobe gain using an antenna array with limited number of antennas
- Massive and spatiotemporal MIMO: comparative studies of “non-parametric” and “parametric” approaches
- Designing and analysing current and future communication systems using Differential Geometry.

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- Biological Communication Systems: Engineered and Natural
- Sparse Approximation for Large Scale Wireless Network Learning and Control
- Wireless channel Estimation: Opportunities for Exploiting Structure and Sparsity

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- Smart Grid Communications and Networking
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- Game-theoretic Methods for Wireless Communications

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- Mobile Networks As A Cloud Service
- Mobile Cloud Networking
- Network Function Virtualization: From Architecture to Implementation

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- Wideband Spectrum Sensing for Cognitive Radios
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- Energy Harvesting Communications and 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; e.g., 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 on the conference website.

## **The ComSoc Student Travel Grant Award**

The STG consists of a monetary award to be used toward registration fees, conference hotel expenses, and travel costs as 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 \$2,000; funded by the IEEE Foundation.

**Eligibility** – Member of the Communications Society at time of nomination.

**Basis for Judging** – 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

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 Recipients	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. Sipress
2005 - No recipient	1987 - Paul Baran
2004 - Hussein Mouftah	1986 - Gottfried Ungerboeck
2003 - Hikmet Sari	1985 - Robert Charles Terreault
2002 - Michael B. Pursley	1984 - Bob O. Evans
2001 - Ezio Biglieri	1983 - No Recipient
2000 - Laurence B. Milstein	1982 - Tadahiyo Sekimoto
1999 - Al Gross	1981 - Robert Price
1998 - Donald L. Schilling	1980 - Frederick T. Andrews
1997 - Marvin K. Simon	1979 - Arthur A. Collins

1978 - Andre Pinet  
1977 - William H.C. Higgins  
1976 - Walter B. Morrow  
1975 - Robert W. Lucky  
1974 - Frank D. Reese  
1973 - S. G. Lutz  
1973 - C.E. Shannon  
1972 - Amos E. Joel, Jr.  
1971 - A.C. Dickieson  
1970 - R.K. Hellmann  
1969 - D.S. Rau  
1968 - P.G. Edwards

1967 - J.Z. Millar  
1966 – W.T. Rea  
1965 - A.G. Kanoian  
1964 - No Recipient  
1963 - I.S. Coggeshall  
1962 – A.G. Clavier  
1961 - El Green  
1960 - No Recipient  
1959 - K. Bullington  
1958 - H.H. Beverage

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

**Prize** – Certificate, plaque, and honorarium of \$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**

2014-15 – No recipients  
2013 – Michael J. Marcus  
2012 - Veena Rawat  
2011 - Sasi Pilacheri Meethal  
2010 - No Recipient  
2009 - David Falconer  
2008 - No recipient  
2007 - Sam Pitroda  
2001-06 - No Recipients  
2000 - David D. Clark  
1994 - 99 No Recipients

1993 - George E. Brown, Jr.  
1992 - Mansoor Shafi  
1990 - Richard C. Kirby  
1987 - Hubert Zimmerman  
1984 - Mohammed Mili  
1982 - Joseph R. Fogarty  
1981 - Henry Geller  
1978 - Alphonse Ouimet  
1977 - Benjamin L. Hooks  
1976 - Senator J.D. Pastore

### **IEEE Communications Society Distinguished Industry Leader Award**

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

**Description** - To recognize 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 played a major leadership role in research or development and 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 in 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**

2015 – Paul E. Jacobs	2008 - No recipient
2014 – Eros Spadotto	2007 - Arun Sarin
2013 - No recipient	2006 - Henry Samuelli
2012 - Janusz Filipiak	2005 - No recipient
2012 - Niklas Zennstrom	2004 - Ki Tae Lee
Janus Friis	2004 - Irwin M. Jacobs
2011 - Suk-Chae Lee	2003 - Jorma Ollila
2010 - No recipient	2002 - John T. Chambers
2009 - Kaoru Yano	2001 - Keiji Tachikawa



## IEEE Communications Society Industrial Innovation Award

**Prize** – Plaque, certificate, and honorarium of \$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 in industry for major industrial accomplishments, standards, deployment of important processes or products, etc., 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.

**Nomination/Selection Process** – The 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. Calls for nominations are posted on the ComSoc Web page, Society magazine and electronic newsletter.

**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 presentation is made preferably at the IEEE GLOBECOM Awards Luncheon, or at a venue and time appropriate to the business area of the recipient. Award will be publicized on the ComSoc Web page, Society Magazine, electronic newsletter, and Awards Luncheon Brochure.

**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. Up to \$3000 (plus the minimal cost of plaques and certificates) will be budgeted annually to cover the cost of up to 3 recipients.

### Recipients

2015 - Chih-Lin I

2014 – Wen Tong

2013 - Rajiv Laroia

2012 – Stephen Alexander

2011 – Lawrence Bernstein

2010 – No Recipient

2009 - David Belanger

## **IEEE Communications Society Education Award**

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

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

**Eligibility** - A 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, 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.

**Presentation** - Annually presented by the IEEE Communications Society Awards Committee Chair, in the name of the IEEE Communications Society at 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 - \$1000 per year is needed.

### **Recipients**

2015 – Tarek S. El-Bawab

# SERVICE AWARDS

## IEEE Communications Society Donald W. McLellan Meritorious Service Award

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

**Eligibility** – Member of the Communications Society at time of nomination.

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

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

### Recipients

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

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

**Prize** – Plaque, certificate, and honorarium of \$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.

**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

2015 - Mehmet Ulema	2007 - Raouf Boutaba
2014 – Stefano Bregni	2006 - Paul R. Hartmann
2013 - Gerhard Fettweis	2005 - Jaafar M.H. Elmigrani
2012 - Hikmet Sari	2004 - No recipient
2011 - Khaled B. Letaief	2003 - Doug Lattner
2010 - Abbas Jamalipour	2002 - Douglas N. Zuckerman
2009 - Heinrich Stuttgen	2001 - Harvey A. Freeman
2008 - J. Roberto B. de Marca	2000 - Ross C. Anderson

## IEEE Communications Society Joseph LoCicero Award for Exemplary Service to Publications

**Prize** – Plaque, certificate, and honorarium of \$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** – Is exemplary and exceptional service to IEEE Communications Society publications over a sustained period of time. Factors to be considered in the selection are time of service, impact, specific innovations, etc.

**Nominee Selection** – Award will be presented annually to a recipient selected by a Publications Award Selection Committee working in conjunction with the Communications Society Award Committee. Nominations shall be solicited, screened and reduced to a short list by the Selection Committee (Vice President of Publications; Directors of Journals and Magazines, and Editors-in-Chief of the Society’s publications) with external consultation, as appropriate, and submitted to the Communications Society Awards Committee for final selection.

**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 a 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).

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

### Recipients

2015 - Xuemin (Sherman) Shen	2006 - James F. Kurose
2014 – Chengshan Xiao	2005 - Yeheskel (Zeke) Bar-Ness
2013 - David Daut	2004 - Desmond P. Taylor
2012 - Nelson Fonseca	2003 - No recipient
2011 - Vijay Bhargava	2002 - Curtis A. Siller
2010 - Larry Greenstein	2001 - William H. Tranter
2009 - Raouf Boutaba	1999 - Joseph L. LoCicero
2008 - Andrzej Jajszczyk	1998 - Paul E. Green, Jr.
2007 - Khaled Ben Letaief	

## IEEE ComSoc/KICS Exemplary Global Service Award

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

**Description and Eligibility** – Member of the Communications Society or the Korean Information & Communications Society at time of nomination and have demonstrated exemplary and distinguished service in globalization.

**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 by presidents of both societies during IEEE GLOBECOM. Annually (as appropriate); 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.

**Award Committee** - The IEEE Communications Society Awards Committee will be responsible for the final selection. The committee consists of a chair (appointed by the president for a two-year term) and at least 12 members (appointed by the chair for a three-year term)

### Recipients

2015 - No recipient

2014 - Lin-Shan Lee

2012-13 - No recipients

2011 - J. Roberto B. DeMarca

2010 – Roberto Saracco

2009 - Tomonori Aoyama

2008 - Maurizio Decina

2007 - Stephen B. Weinstein

## 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 \$500 for each author; total not to exceed \$1,000.

**Eligibility** – Given to an outstanding tutorial paper published in any 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). Award will not be given if a paper of high quality is not uncovered.

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

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

**Eligibility** – Publication of an original paper, in the category of Communications Systems, published in the *IEEE Journal on Selected Areas in Communications* in the previous 3 calendar years; author 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 uncovered.

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

**Prize** – Plaque and honorarium up to \$500 for each author; total not to exceed \$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, 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). Award will not be given if a paper of high quality is not uncovered.

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

**Prize** – Plaque and honorarium up to \$500 for each author; total not to exceed \$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; author need not be an IEEE member.

**Basis for Judging** – Quality, originality, utility, timeliness, 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). Award will not be given if a paper of high quality is not uncovered.

### **The IEEE Communications Society Fred W. Ellersick Prize**

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

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

**Basis for Judging** – Quality, utility, timeliness, and clarity of presentation, comprehensible to the non-specialist.

**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). Award will not be given if a paper of high quality is not uncovered.

### **The IEEE Communications Society Heinrich Hertz Award for Best Communications Letter**

**Prize** - Plaque and honorarium of \$500 per author (up to a maximum total of \$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** - For 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 \$500 for each author; total not to exceed \$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. 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’s 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, 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; 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 \$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, at the International Conference on Communications.

### **The IEEE Communications Society Award for Advances in Communication**

**Prize** – Plaque and honorarium of \$500 per author (up to a maximum total of \$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 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 March 1 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 uncovered. 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 \$500 per author (up to a maximum total of \$2,000). If more than four authors, the maximum of \$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 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 \$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 and who, 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 - \$1000 per year. The IEEE Communications Society will administer the award out of annual Society operating budget. The Society's budget includes the amount for this award and the Society budget is net positive with the inclusion of the award.

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

# PAPER AWARDS NOMINATION PROCESS

## Communications Society Paper Awards

The Communications Society's Awards Committee retains responsibility for the ultimate selection of winning papers and functioning of the awards process. It coordinates the nomination and decision processes; and 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.

Magazine and Journals Editors-in-Chief are responsible for generating short nomination lists for their respective prizes, 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.)

The Society 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 authors, paper title, the publication and 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 (see current EICs listed under "Publications" in front part 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, 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, 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 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.

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. Editors-in-Chief may wish to nominate automatically the winning Communications Society papers for appropriate IEEE awards. (See 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

## TABLE OF CONTENTS

### ARTICLES

1. Name, Purposes and Scope
2. Bylaws
3. Policies and Procedures
4. Membership
5. Organization
6. Finances
7. Member Services
8. Amendments

#### 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

## TABLE OF CONTENTS

### ARTICLES

1. Objectives
2. Membership
3. Officers and Operations
4. Councils
5. Technical Committees and Special Interest Groups
6. Boards
7. Standing Committees
8. Ad Hoc Committees
9. Society Representatives
10. Budget and Finance

### ARTICLE 1 – OBJECTIVES

- 1.1 Objectives – The objectives of the Society are to provide to its members and the global community of communications professionals the services outlined in Clauses 1.2, 1.3, and 1.4.
- 1.2 Technical Information
  - Creation by research and innovation by the Communications Society community
  - Identification and promotion of hot topics
  - Dissemination worldwide by publications, presentations, and electronic media
  - Exchange by 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, 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, Associate Members, and Affiliates shall have all the rights and privileges of membership within the Society with the exception of the right to vote on matters presented to the Society membership and 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 (except the Society Executive Director) who are members of the Board of Governors (BoG), Councils, Boards, and Standing and Ad Hoc Committees or are Technical Committee Chairs and Society Representatives shall be Members of the Society. 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), Vice President-Industry and Standards Activities (VP-ISA), 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 is elected to another Society position, except President-Elect, during his or her term, he/she shall resign from the former position upon taking office.
- When an elected officer is elected to the position of President-Elect during his/her term, he/she may continue holding the earlier position through the conclusion of its term or upon entering the position of President, whichever comes first.

### 3.2.2 Terms of Office

- President-Elect shall serve a one-year term the year following his/her election (odd-numbered) and 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 not be re-elected President-Elect for more than one term, consecutive or otherwise.
- 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 five 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, Vice President-Member and Global Activities, and Vice President-Industry and Standards 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.
- 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 most 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 most 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. In the event that an elected position is vacated before the full term is completed, the position shall be filled as defined in the governing documents of the Society.

### 3.3 Appointed Officers

3.3.1 The Society appointed Officers shall be:

- 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.
- Chief Information Officer (CIO) – Oversees cost-effective planning, acquisition, maintenance and use of the Society’s information systems and networking, databases and telecommunications services.
- Directors – Each 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 December 15 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.
- Parliamentarian – Advises the President on rules of order and proper procedures during BoG meetings. The President may, in case of conflict, request a ruling on procedures from the Parliamentarian.
- Standing and Ad Hoc Committee Chairs

3.3.2 The appointment of Treasurer, CIO, 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 serve for the nominal term of the President.
  - 3.3.5 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.
  - 3.3.6 Vacancies – In the event that an appointed position is vacated before the full term is completed, the position shall be filled as defined in the governing documents of the Society.
- 3.4 President, President-Elect, and Past President Responsibilities
- 3.4.1 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.
  - 3.4.2 During his/her term, the President-Elect shall start the selection process for Society appointed Officers as specified in Clause 3.3.
  - 3.4.3 During his/her term, the President shall appoint Officers as needed in consultation with the appropriate VP and with BoG approval, as required by the Society governing documents.
  - 3.4.4 The President shall inform the BoG of the roster of all Boards and Standing Committees as soon as they are finalized and by the first BoG meeting of his term.
  - 3.4.5 The President is the highest ranking volunteer officer of the Society. He/she is responsible for leading the implementation of strategic actions and directions set by the ComSoc BoG. The President or his/her delegate represents the Society in negotiations with Sister Societies and other similar organizations.
  - 3.4.6 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.
  - 3.4.7 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.

### 3.5 Vice Presidents – Responsibilities

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

3.5.2 Vice President – Technical and Educational Activities is responsible for all technical activities and educational services within the Society. The following Boards and Standing Committees report to the Council chaired by this Vice President:

- Educational Services Board
- Technical Services Board
- Awards Standing Committee
- Communications History Standing Committee
- Emerging Technologies Standing Committee
- Fellow Evaluation Standing Committee
- Technical Committees Recertification Standing Committee

3.5.3 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

3.5.4 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

3.5.5 Vice President – Member and Global Activities is responsible for: a) all activities, services and programs associated with members and chapters, and oriented to membership retention, development and marketing in the four regions; b) all activities related to the

organization and management of chapters; and c) relations with other IEEE and professional societies worldwide.

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

- Member Services Board
- Sister & Related Societies Board
- Asia/Pacific Region Board
- Europe, Middle-East & Africa Region
- Latin America Region Board
- North America Region Board
- Women in Communications Engineering Standing Committee

- 3.5.6 Vice President – Industry and Standards Activities shall be responsible for overseeing all Society activities and programs related to all standards activities and industry services within the Society, including: (i) fostering technical activities related to relevant current standards development and industry services; (ii) identifying opportunities and fostering ComSoc’s engagement in new and/or existing standards development projects that are under development by different standards development organizations worldwide; (iii) increasing the visibility of ComSoc industry and standards initiatives within IEEE, the wider international standards community, and the broad international community of communications technologists; (iv) using ComSoc industry and standards activities to forge closer ties with ComSoc’s other departments and activities; (v) maintaining a close and informed relationship with the IEEE-SA; (vi) management within ComSoc, according to IEEE governing documents, ComSoc-sponsored IEEE Standards Association (IEEE-SA) projects, and (vii) fostering and implementing activities that are of interest to industry and government, including practitioners, managers, executives, young professionals and other industry professionals. The Vice President – Industry and Standards Activities shall be the official ComSoc liaison to the IEEE Standards Association Board of Governors.

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

- Standards Development Board
- Standardization Programs Development Board
- Industry Outreach Board
- Industry Content and Exhibition Standing Committee (ICEC)



The Vice President – Industry and Standards Activities shall be an ex-officio voting member of the Standards Development Board, the Standardization Programs Development Board, the Industry Outreach Board, and the ICEC.

### 3.6 Board of Governors (BoG)

#### 3.6.1 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(s)/Director(s)
  - IEEE Division III Delegate(s)/Director(s)-Elect (odd-numbered years only)
- Ex-Officio Officers (Non-voting):
  - Directors
  - Chief Information Officer
  - Parliamentarian
  - Treasurer
  - Society Executive Director (BoG Secretary)

3.6.2 The BoG shall hold at least two regular in-person meetings annually.

3.6.3 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.

3.6.4 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.

### 3.7 Operating Committee (OpCom)

3.7.1 In between regular BoG meetings, OpCom conducts business on behalf of the BoG and is comprised of a subset of the BoG members. Actions from a duly called OpCom meeting shall be submitted to the BoG for

ratification in a consent agenda or further consideration in its next meetings.

3.7.2 OpCom members are:

- President
- President-Elect (odd-numbered years), immediate Past President (even-numbered years)
- Vice Presidents
- Members-at-Large (three – one from each annually elected group and appointed by the President)
- IEEE Division III Delegate(s)/Director(s)
- IEEE Division III Delegate(s)/Director(s)-Elect
- Directors
- Chief Information Officer
- Treasurer
- Parliamentarian
- Society Executive Director

3.7.3 The OpCom members with voting rights are those who are voting members of the BoG.

3.7.4 OpCom shall hold two regular annual meetings, in person or by other means.

3.7.5 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.

3.7.6 All OpCom members are expected to attend OpCom meetings, except for the Directors. The President shall determine which of the Directors shall be invited to a particular OpCom meeting.

3.8 Operations in all Society assemblies (BoG/Councils/Boards/Any Committee)

3.8.1 A majority of the voting members of a Society assembly constitutes a quorum.

3.8.2 The vote of a majority of the votes 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.

- 3.8.3 The Chair of a Society 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.
- 3.8.4 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.
- 3.8.5 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.
- 3.8.6 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.
- 3.8.7 Minutes of a BoG and OpCom meeting shall be distributed to the BoG within 30 days of the meeting. For executive sessions, only motions passed shall be included in the BoG and OpCom minutes. Executive session minutes shall be kept on file in the office of the Society Executive Director.
- 3.8.8 Members of BoG and OpCom shall receive notice of their regular meetings no fewer than 21 days prior to the scheduled meeting start date.
- 3.8.9 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, or to take a recess. Any other business shall be limited to informal discussion upon which no action shall be taken.

- 3.8.10 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.
- 3.8.11 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.
- 3.8.12 Business transacted by Society assemblies without a meeting shall follow the procedures specified in the Society P&Ps.
- 3.8.13 Proxy voting is not allowed.
- 3.8.14 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.
- 3.8.15 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.
- 3.8.16 A Management Retreat may be held annually at the discretion of the President.
- 3.8.17 Assembly members shall adhere to assembly decisions, unless such decisions violate IEEE or Society Constitutions, Bylaws or Policies.
- 3.8.18 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.

3.8.19 Constitution, Bylaws, and P&Ps of the Society shall be in accordance with the IEEE Governing documents.

3.8.20 Proposed amendments to Society Governance documents should be reviewed by the Governance Committee prior to approval.

### 3.9 Professional Staff

3.9.1 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.

3.9.2 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.

3.9.3 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.

3.9.4 The Society Executive Director serves as BoG/OpCom secretary, assisted by staff members as needed.

## **ARTICLE 4 – COUNCILS**

- 4.1 Councils are chaired by Vice Presidents to address Technical and Educational Activities, Publications, Conferences, Member and Global Activities, and Industry and Standards Activities. Directors of Boards and Chairs of Standing Committees reporting to a Council serve on the Council and all are voting members together with the Council Chair. 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.
- 4.2 Council P&Ps are developed by the Council and approved by the BoG.
- 4.3 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.
- 4.4 The following Councils shall be formed:
  - 4.4.1 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.
  - 4.4.2 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.
  - 4.4.3 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.
  - 4.4.4 Member and Global Activities Council (MGA-C) – This Council is responsible for all Society activities and programs related to members, chapters, membership development, sister and related societies, and Society regions.
  - 4.4.5 Industry and Standards Activities Council (ISA-C) – This Council is responsible for the needs of the Society and Society members related to industry and standards. Additional (non-voting)

members of the Council include the Chairs of any Standards Committee reporting to the Standards Development Board.

## **ARTICLE 5 – TECHNICAL COMMITTEES & SPECIAL INTEREST GROUPS**

### 5.1 Technical Committees (TCs)

5.1.1 Technical Committees are established to promote and achieve the technical objectives of the Society and report to the Technical Services Board.

5.1.2 Technical Committees may be created, merged, modified, or dissolved by resolution of the BoG, as necessary to ensure the continued relevance and effectiveness of the Society TCs. Proposals to create/merge/modify/dissolve TCs may be made by the Technical Services Board. In the case of proposals for creating new TCs, a petition to the Technical Services 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. Proposals shall be forwarded to the BoG after having been evaluated by the Technical Services Board and the TEA-C.

5.1.3 Technical Committees shall have P&Ps which shall include officer positions and election procedures and they shall conform to the template specified in the Society P&Ps. P&Ps shall be developed by the Technical Committee and approved by the Technical Services Board.

5.1.4 A change of the scope of a Technical Committee shall require approval of the TEA-C and the BoG.

5.1.5 The Chair of a new Technical Committee is appointed for two years by the Director - Technical Services with the approval of the VP-TEA. During this period, a mentor is assigned to the Technical Committee by the Director of Technical Services. Subsequently, the Chair shall be elected by the members of the Technical Committee.

5.1.6 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.

### 5.2 Special Interest Groups (SIGs)

5.2.1 Special Interest Groups are established to cover substantial and diverse topical areas of current industry interests and report to the Industry Content and Exhibition Committee (ICEC).

- 5.2.2 Special Interest Groups may be created, merged, or dissolved by the ICEC, as specified in the ICEC’s P&Ps.
- 5.2.3 Special Interest Groups shall develop P&Ps which shall include scope and responsibilities, officer positions, and election procedures. SIG P&Ps shall conform to the template specified in the Society P&Ps and shall be approved by the ICEC.

## **ARTICLE 6 – BOARDS**

6.1 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)
  - Member Services Board
  - Sister & Related Societies Board
  - AP Region Board
  - EMEA Region Board
  - LA Region Board
  - NA Region Board
- Publications Council (PUB-C)
  - Journals Board
  - Magazines Board
  - Online Content Board
- Industry and Standards Activities Council (ISA-C)
  - Industry Outreach Board
  - Standards Development Board
  - Standardization Programs Development Board
- Technical and Educational Activities Council (TEA-C)
  - Educational Services Board
  - Technical Services Board

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

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.

- 6.3 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.
- 6.4 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.
- 6.5 The following Boards shall be formed:

- 6.5.1 Conferences Development – This Board is responsible for the strategic planning, technical scope, and growth of all ComSoc financially-sponsored conferences (defined as 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.

- 6.5.2 Conferences Operations – This Board is responsible for the oversight and management of the operational, publications, and financial aspects of all ComSoc conferences.

Members 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.

- 6.5.3 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 Services, Conference Development, Conference

Operations, Industry Outreach and Member Services Boards, ICEC, and at least two Members-at-Large.

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

- 6.5.5 Journals – This Board is responsible for the oversight of Society journals. Board members are the Editors-in-Chief of Society journals for which ComSoc is the Managing Partner and/or has a majority financial stake, and two Members-at-Large, in addition to the Director. Additional members may be appointed, including Liaison Editors to other IEEE journals.

- 6.5.6 Magazines – This Board is responsible for the oversight of Society magazines. Board members consist of the Editors-in-Chief of Society magazines and two Members-at-Large, in addition to the Director. Additional members may be appointed, including Liaison Editors to other IEEE magazines.

- 6.5.7 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.

- 6.5.8 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, MGA, and ISA Councils; the CIO; and up to three additional Members-at-Large.

6.5.9 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.

6.5.10 Sister & Related Societies – This Board is responsible for enhancing Society activities with our sister and related societies (SRS) by developing new programs with SRS and cooperating with SRS in offering Society/SRS products and services globally, and strengthening the Society’s global and professional reach. This includes establishing and maintaining Society relationships on an international, regional, national or local scale with SRS.

Where appropriate, enhancing Society SRS activities shall be accomplished through collaboration with IEEE sections/chapters, including Society and non-Society chapters.

Membership includes up to three representatives from the MGA-C, up to three members from selected Sister and Related Societies, and up to three Members-at-Large.

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

It consists of eight members in addition to the Director. The Director shall select the members in accordance with the priorities listed in the next paragraph.

The Director shall give priority to serve on the Standards Development Board to: Standards Committee Chairs, ComSoc appointed Chairs or Co-Chairs for joint Standards Committees, Working Group Chairs who are directly

sponsored by the Standards Development Board, ComSoc-appointed Working Group Chairs or Co-Chairs for jointly sponsored Working Groups and volunteers in ComSoc Technical Committees.

The Director shall be the official ComSoc liaison to the IEEE Standards Association Standards Board (SASB).

- 6.5.12 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.

- 6.5.13 Technical Services – This Board is responsible for the oversight and promotion of the technical communities of the Society and their activities including the promotion of technical content and development of educational content. In particular, this Board is responsible for developing and providing one-stop ICT (information-communications technology) services.

The Technical Services Board shall also evaluate proposals to create/merge/modify/dissolve TCs. Such proposals shall be forwarded by the Technical Services Board to the TEA-C, with a recommendation. TEA-C shall make a recommendation to the BoG, who shall have final authority for approving the proposal.

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 7 – STANDING COMMITTEES

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

- Finance BoG
- Governance BoG
- Nominations & Elections BoG
- Operations & Facilities BoG
- Strategic Planning BoG
- GLOBECOM/ICC Management & Strategy CON-C
- GLOBECOM/ICC Technical Content CON-C
- Women in Communications Engineering MGA-C
- Awards TEA-C
- Communications History TEA-C
- Distinguished Lecturers' Selection TEA-C
- Emerging Technologies TEA-C
- Fellow Evaluation TEA-C
- Technical Committees Recertification TEA-C
- Industry Content & Exhibition ISA-C

7.2 Standing Committee Chairs shall be responsible for appointing Standing Committee members with the approval of the 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.

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 Board is aligned. 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.

7.3 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.

7.4 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.

7.5 The following Standing Committees shall be formed:

7.5.1 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.

7.5.2 Communications History – This Committee is responsible for identifying, placing in electronic archives, and raising public awareness through all appropriate steps on the most important facts/person/achievements of communications history in particular, as well as telecommunication milestones in general. The Committee consists of three members who shall serve a three-year term, with one member appointed each year.

7.5.3 Distinguished Lecturers Selection – This Committee is responsible for establishing selection criteria and for the appointment of lecturers. The ex-officio Chair shall be the Vice Chair of the TEA-C. Members of this Committee shall be the VP-TEA, VP-MGA, the Director-Member Services, and the Chair of the Emerging Technologies Committee.

7.5.4 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 via the VP-TEA.

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 years 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.

- 7.5.5 Fellow Evaluation – This Committee is responsible for the Society's evaluation of Fellow nominations being considered by the IEEE Fellow Committee. It consists of a Chair and nine members that shall serve a three-year term with one-third of the members being appointed each year. Chair and members shall be IEEE Fellows and Members of the Society.
- 7.5.6 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 or President-Elect, Vice Presidents, CIO, and a representative from each Member-at-Large class. The Society Executive Director shall be an ex-officio non-voting member of the Committee.
- 7.5.7 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 or four Members-at-Large, three past members of an ICC or GLOBECOM Organizing Committee, and the GITC Committee Chair.
- 7.5.8 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 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 to four Members-at-Large, three past ICC or GLOBECOM Technical Program Chairs, and the GIMS Committee Chair. The Director of Technical Services 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.
- 7.5.9 Governance – This Committee is responsible for all matters related to Society Governance, including but not limited to: reviewing any proposed amendment to

Society Governance documents (Constitution, Bylaws, P&Ps) prior to its discussion in the BoG; crafting amendments to Society Governance 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 Governance documents with the goal of keeping them current and consistent; and serving as an interpretive Committee on Governance issues.

Committee membership: Chair, 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.

- 7.5.10 Industry Content & Exhibition – This Committee 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 and education. It is within the overall objective and mission of the ICEC to increase industry participation in ComSoc events.

Members of this Committee are the Chair and 4-to-6 Members at Large.

- 7.5.11 Nominations & Elections – This Committee is responsible for identifying candidates to fill elected Society office positions, and for the development, implementation and supervision of election procedures. The Nominating Committee for the IEEE Division III Director shall be a separate Committee and shall operate as specified in the TAB Operations Manual. 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 most recent former Past President, who shall serve for a two year term and shall take office as Chair immediately after his/her nominal term of Past President ends (the beginning of an odd-numbered year). If the Past President is unable to serve, the President shall appoint a Chair for a similar period, 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 N&E Chair, and approved by the BoG 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.
- IEEE Division III Delegate(s)/Director(s) (ex-officio) – Shall be a non-voting member.
- The Past President (ex-officio), only during even-numbered years.
- President-Elect (ex-officio) – Shall be a non-voting member whose term shall start immediately after being elected and officially announced.

The Chair shall not be eligible to be elected to the BoG during his/her 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.

- 7.5.12 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. Members shall serve for the nominal duration of the President's term and shall include:

- CIO
- Treasurer
- Four members appointed by the President from among volunteer BoG officers
- One member appointed by the President from among volunteers who are not on the BoG

The Society Executive Director is an ex-officio non-voting member of this Committee. The Committee may approve the participation of invited experts as required by the agenda items.

- 7.5.13 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 up to four Members-at-Large, all appointed by the President.

- 7.5.14 Technical Committees Recertification – This Committee recommends the establishment of new Technical Committees and reviews current Technical Committees to determine whether they are fulfilling their responsibilities.

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 under review shall excuse themselves from deliberations related to their Technical Committee.

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

## **ARTICLE 8 – AD HOC COMMITTEES**

- 8.1 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.
- 8.2 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.
- 8.3 OpCom shall review all Ad Hoc Committees annually and recommend to the BoG whether they should continue, disband, or be elevated to Standing Committees.
- 8.4 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 9 – SOCIETY REPRESENTATIVES**

- 9.1 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 10 – BUDGET AND FINANCE**

- 10.1 Officers shall prepare budgets for the coming calendar year in the first half of each year to be approved by the BoG at its mid-year meeting. Actuals shall be reviewed throughout the year, and a forecast reported at each meeting.
- 10.2 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.

### 10.3 Budget

10.3.1 Each year the Society produces a budget which shall be approved by the BoG.

10.3.2 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.

### 10.4 Finance

10.4.1 The Treasurer has oversight responsibility for all Society financial matters.

10.4.2 Funds shall be handled as designated by the Treasurer and shall be deposited with IEEE or with external financial institutions, as approved by the BoG and/or IEEE Board of Directors.

10.4.3 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.

10.4.4 The Treasurer shall periodically review the Society finances and recommend adjustments needed to insure financial stability of the Society.

10.4.5 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, 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. **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](mailto:society@comsoc.org).

In the past sixty years, ComSoc has increased its membership over five-fold from 8,800 when it began operations as an independent Society of the IEEE to over 30,000 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 while the Society's strength comes from the vision and dedication of its members and staff.

## **Membership Demographics**

### **Where Members Live**

Membership growth has been stronger outside of the USA (Regions 1-6) and 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**

- 39% USA — 75 Chapters
- 4% Canada — 17 Chapters
- 24% Europe/Middle-East/Africa — 51 Chapters
- 4% Latin/America — 25 Chapters
- 30% Asia/Pacific — 43 Chapters

### **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 provides the theoretical foundations for future development.

- 42% Private Industry
- 21% Education
- 3% Retired
- 34% 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](http://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 departments such as:

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

***IEEE Optical Communications:*** A series dedicated to fiber optics technology.

***IEEE 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.

**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 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. Each of this scholarly journal’s issues focuses in-depth attention on critical aspects of one specific communications topic, 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 that advance the state-of-the-art and applications of wireless communications including theoretical contributions such as new techniques, concepts and analyses, and practical contributions such as system experiments and prototypes, and new applications monthly.

**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 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, and 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 & industry to address all important issues relevant to green communications.

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

#### **Technically Co-Sponsored Publications**

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

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***IEEE Transactions on Computational Intelligence and AI in Games***

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***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, 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.

**12 Things You Need To Know:** A monthly e-Newsletter that gives the IEEE ComSoc community essential updates on new and emerging technologies in the communications field. The latest ComSoc happenings around the world such as ComSoc training and certification programs, sponsored educational programs, conferences and events, publications standards updates, and much more are included.

**IEEE Wireless Communications Professional:** A bi-monthly newsletter, a free service for those interested in wireless industry issues and IEEE Wireless Communication Engineering Technologies (WCET) Certification.

*IEEE Communications Society publications* are available online. See the publications area or the ComSoc Digital Library on the ComSoc web site at [www.comsoc.org](http://www.comsoc.org) or the IEEE web site at [www.ieee.org](http://www.ieee.org).

**ComSoc Digital Library** (Your 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, you can choose between ComSocDL (access to current content plus the prior 3 years; almost 50K papers!) or ComSoc DL Plus (all legacy content from 1953 forward; 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, including 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>

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In Japan, please contact the MCPC (Mobile Computing Promotion Consortium): [www.mcpc-jp.org](http://www.mcpc-jp.org)

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## IEEE COMSOC TRAINING

ComSoc Training - Continuing education for the Communications professional offers online and in-person training. One-day, two-day, three-day and five-day training options are available. IEEE maintains an official registry of all CEUs awarded. This makes accounting to state licensing boards an easier task for engineers.

It also helps IEEE organizational units keep track of seminar/tutorial participants. Current offerings focus on wireless communications engineering.

Visit: [www.comsoc.org/training](http://www.comsoc.org/training) for a complete schedule of courses.

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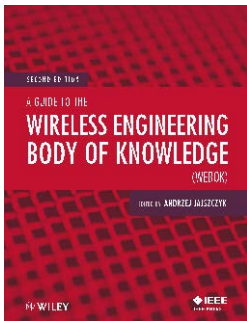


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systems, products and services of interest to worldwide technical audiences. Typically webinars run for 1.5-2 hours and cover 3 or 4 presentations and are free to the viewing audience. ComSoc Webinars are corporate sponsored and developed in coordination with ComSoc. For recent webinars and more information, please visit [www.comsoc.org/webinar](http://www.comsoc.org/webinar).

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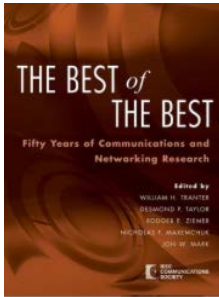
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