

IEEE GOLDRush December 2007

The quarterly newsletter of IEEE GOLD for young professionals.



Message from 2007 RAB GOLD Committee Chair, Soon Wan

Dear GOLD members,

I would like to congratulate and welcome the following new GOLD Affinity Groups that have most recently been formed:

- Philadelphia GOLD (Region 2)
Sedofia N. Gedzah, Chair
- Greece GOLD (Region 8)
Dr. Nicolas Sklavos, Chair
- Bahia GOLD (Region 9)
Carlos Vasconcelos, Chair

It is human nature to excel in all that we do. We want to be better than others in everything. We want to be better today than we were yesterday. But, how is this achieved?

With PRIDE! And, my PRIDE stands for PRoductivity In Daily Effort. Productivity means doing the right thing correctly, and always looking to improve. Vincent Thomas Lombardi said that “the pride of success is hard work, dedication to the job at hand, and determination that whether we win or lose, we have applied the best of ourselves to the task at hand.”

Here are some ways to practice your PRIDE:

Know what you want to achieve so that you understand exactly

what you are supposed to be doing, and why you are doing it.

Look for a better way to do the job so that you can complete the job as early and as best as possible.

Improve your skills and knowledge. This can be done by learning from others’ and your own experiences, or even attending a suitable skills training course.

Suggest improvements whenever and wherever possible so that your shared ideas are put to good use.

Help your team members improve their skills and knowledge so that they can, in turn, help you accomplish your tasks better.

Care for your team members. Look after their welfare, be sensitive to their feelings and problems, and treat them the way you want them to treat you.

Encourage your team members to take pride in themselves and their work, and be responsible and reliable, so that you can always count on them. You can do this by setting a good example; guide them, talk to them and let them know that how they are seen depends on their attitude towards their work and responsibilities. Lastly, don’t forget to give your team members recognition for

work they have done well.

This year I am pleased to have had a group of dedicated volunteers on the IEEE Regional Activities Board (RAB) GOLD Committee. They have all put in a significant amount of time and effort to bring membership value and benefits to our young professionals and students of the IEEE. It is the most effective team that I have worked with so far in my IEEE volunteering history. From the bottom of my heart, I would like to commend their notable contributions towards the advancement of IEEE and the engineering profession. Thank you GOLDie! You succeed beyond all expectations.

In 2008, the GOLD Committee will have new faces, and I promise that the team will continue to give its best, bringing more value to your IEEE membership. Last, but not least, please get involved in your local IEEE activities. Please let us know if there is anything we can do to make your membership more valuable. Wishing you a Merry Christmas and Prosperous New Year.

Best wishes,

Soon Wan
(2007 RAB GOLD Committee Chair).

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IEEE GOLDRush Special Feature: GOLD Awards 2007

2007 RAB GOLD Achievement Award Recipients

The RAB GOLD Achievement Award is designed to recognize those substantive projects or achievements of a relatively short nature (one to three years) but which have left an undeniable imprint on the fabric of GOLD operations. The award recognizes individuals involved with GOLD activities that are recognized for singular achievement in the development and completion of a project(s) or activity(ies) which are directed to the fulfillment of one or more of the GOLD goals and/or objectives. The individuals nominated must be GOLD members at the time of nomination.

Kristi Brooks

Red River Valley Section (Region 4)



"For exemplary achievements, significant contributions and leadership in Region 4 GOLD activities."

Mohammed A Javvad Qasimi

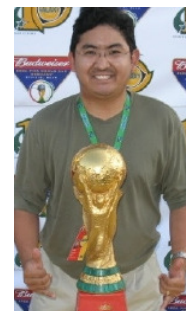
Rock River Valley Section (Region 4)



"For outstanding leadership in GOLD activities in the IEEE Rock River Section."

Scott Tamashiro

Coastal Los Angeles Section (Region 6)



"For his creativity in the GOLD online game concept and pioneering relations between GOLD and the Standards Association."

Verona Wong

Vancouver Section (Region 7)



"For outstanding contributions and dedication towards membership retention by establishing GOLD activities, and exemplary leadership in the GOLD 10th Anniversary Project."

Tom Curtis

Tanzania Subsection (Region 8)



"For his dedication and enthusiasm to share his technical knowledge through the education of young students in Tanzania."

Sampathkumar Veeraraghavan

Madras Section (Region 10)



"For outstanding efforts in local GOLD activities and successfully obtaining industry sponsorship."

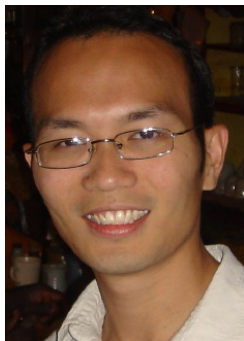
IEEE GOLDRush Special Feature: GOLD Awards 2007

2007 RAB Achievement Award Recipient

The RAB Achievement Award is designed to recognize individuals involved with RAB and/or the Regional Network who are recognized for singular achievement in the development and completion of a project(s) or activity(ies) which are directed to the fulfillment of one or more of the goals and objectives of RAB. This award is designed to recognize those substantive projects or achievements of a relatively short nature (one to three years) but which have left an undeniable imprint on the fabric of Regional Operations.

Darrel Chong

Singapore Section (Region 10)



"For extraordinary leadership and sustaining contributions to IEEE GOLD activities especially GOLD Online Seminars."

Currently, Darrel Chong is serving the RAB GOLD Committee as the Past Chair. He is a member of the Nominations & Appointments (N&A) Committee and the New Initiatives Committee (NIC). He is championing the "GOLD Volunteer Opportunities" and "Engineers Without Borders" projects.

In 2005, Darrel Chong was appointed as a member of the RAB GOLD Committee. He conceived and implemented the first IEEE GOLD Online Seminar using IEEE conferencing tools. He contracted Karen Susman to give the seminar on "Networking: How Young Engineers Can Open the Door to more Opportunities". The seminar was delivered successfully to nearly 150 GOLD members worldwide. The RAB GOLD committee has since committed to deliver at least three GOLD Online Seminars annually. Darrel's original idea of using the Internet to deliver educational content allows members in all Regions to find added value in membership. Three GOLD Online Seminars were successfully launched in 2006, and they attracted close to 1000 attendees in total. The program has continued in 2007.

In 2006, Darrel Chong was appointed as the Chair of the IEEE RAB GOLD committee. He restructured and improved the committee's operations. The committee approved their first vision, mission, and committee structure with clear role descriptions. He led the committee to review the GOLD charter, and presented the new proposal charter to RAB and TAB. Actions were also taken to tighten the collaboration between GOLD and other IEEE entities. As a result, GOLD is currently involved in TAB and MDC strategic planning processes.

Congratulations to Darrel Chong, the 2007 RAB Achievement Award Recipient. Well done!

IEEE GOLDRush Call for Articles

Visit us on the web!
www.ieee.org/gold

IEEE GOLDRush would like to invite you to submit an article (500 to 700 words) on any topic related to engineering for publication in this newsletter.

Please e-mail your article for the *March 2008 edition* to the IEEE GOLDRush Editor (Adrian Pais) at a.pais@ieee.org before 1 February, 2008.

All Things Small (GOLDRush Invited Article)

By Meyya Meyyappan

No matter what it is, we all look for superlatives: the tallest building west of the Mississippi, the most runs in the minor league and whatever else. The new race in the technology world is to make things as small as possible. President Clinton signed a bill in 2000 creating the U.S. National Nanotechnology Initiative, which led to an explosion of research on all things small. Nanotechnology, or 'nano' as it is called for short, is about creating materials, devices, structures and systems by manipulating matter at the nanometer scale. But the final object does not necessarily have to be nano; it can be micro or preferably macrosized. After all, nanoscale is not a human scale. Imagine building an aircraft wing starting from a nanomaterial and proceeding through to making a composite!

This hot new field is not entirely about size. Nanoscale is a necessary but not sufficient condition. After all, by 2000 we already had CMOS transistors with critical feature size reaching 100 nm. Why would we need a new initiative to continue an old (although very difficult) routine miniaturization? The sufficient condition here is that we exploit the novel properties that arise in the transition from bulk to nanoscale.

As size gets smaller, the surface to volume ratio increases and most of the atoms are on the surface instead of in the bulk. Quantum mechanics also begins to play a more

important role. All these and more result in a change in physical, chemical, mechanical, electrical, magnetic, optical and other properties of materials at the nanoscale. Gold melts at 1064°C as it says in the Chemical Tables. But a 4 nm gold particle melts at a couple of hundred degrees less. The bandgap of silicon is 1.1 eV. But it increases to above 3 eV when you

'It is not about self-replicating nanorobots as is portrayed in science-fiction and early newspaper stories.'

make a 4 nm silicon nanowire. Since everything we make is based on one or more desirable properties of a material, consider the consequence when all the properties change by going from bulk to nano.

The impact of nano will be across all the economic sectors: computers, communications, materials and manufacturing, health and medicine, transportation, energy, environment, national security etc. In that sense, nanotechnology is not tied to any particular technology, rather it is an enabling technology. It is not about self-replicating nanorobots as is portrayed in science-fiction and early newspaper stories. The enabling nature of the technology also makes it a truly interdisciplinary

field. Indeed, nanotechnology research is conducted across all disciplines of science and engineering.

No matter what the application is, everything in nano begins with material science. There have been plenty of revolutions recently in developing new materials. One that captured the imagination of scientists and technologists was the carbon nanotube. Imagine taking a sheet of graphite, just one monolayer thick, and rolling it like a cigar. The resulting structure is a carbon nanotube. It has unique electronic properties in that it can be either metallic or semiconducting. It exhibits extraordinary mechanical properties with a strength to weight ratio exceeding that of steel by about 500 times. It is being considered for numerous applications in electronics, sensors, flat panel displays and high strength composites to name a few. There are also several other nanomaterials such as nanoparticles, quantum dots, nanowires of metals and many inorganic materials like oxides, nitrides, carbides etc.

Active research areas in nano today include high strength but low weight composites, non-silicon transistors for the era beyond Moore's Law, novel memory devices, high efficiency photovoltaics, affordable LEDs for household and industrial lighting, biosensors for diagnostics of cancer and other diseases, fuel additives, efficient catalytic converters and many more.

Early products have been typically

low tech such as sunscreen lotions with nanoparticles for better protection from UV rays, lighter but stronger golf clubs and tennis rackets and similar consumer products. Many of the other applications mentioned above will take longer to develop since a period of ten years or more is typical for an invention from the lab to hit the mainstream.

'The impact of nano will be across all the economic sectors ...'

In the next two decades we will see the pervasive impact of this enabling technology. There is a widespread belief across the world that this will be the technology of the 21st century.



Meyya Meyyappan

The author is the Chief Scientist for Exploration Technology at NASA Ames Research Center in Moffett Field, CA. He is the President of the IEEE Nanotechnology Council and TAB Representative to the GOLD Committee.

GOLD News

GOLD Track at IEMC 2007

By Irena Atov

(Technical Activities Board Representative to the GOLD Committee)

This year IEEE GOLD has begun implementing the first ever GOLD technical conference tracks. These have been designed specifically to cater for the needs of young professionals.

The idea behind the GOLD tracks is to run them at IEEE Society flagship conferences to provide a forum for young IEEE members to share ideas on graduate research topics, techniques and industry practices, and talk about the issues most relevant to them at their stage of career development.

Perceived as adding a unique value, this novel concept has been supported by an IEEE Foundation grant (<http://www.ieee.org/organizations/foundation/2007grants.html>).

The very first GOLD technical track was implemented successfully as a one day event on 31 July, 2007 at the 19th International Engineering Management Conference (IEMC 2007) in Austin, Texas. Its theme was “Making the Transition from Engineer to Manager”. There were three distinct sessions designed to meet the interests of the GOLD members within the EM Society (<http://lifelong.engr.utexas.edu/iemc2007/goldprogram.cfm>).

The track started with a panel session on the topic of “Making a Successful Transition to Engineering Management” and featured eminent experts including Gerard H. Gaynor, Celia Desmond, Leslie Martinich, Margaretha Eriksson and Mary Reidy. The

session was attended by over 100 people and consisted of a one hour presentation by the expert panelists followed by an hour of Q&A with the audience. Following this, an invited talk entitled “Leadership and the Young Manager” was delivered by Celia Desmond. The last part of the GOLD track was a two hour poster session of nine peer-reviewed short papers.



Irena Atov introducing the panelists.

The track was judged to be an outstanding success by any measure:

- GOLD sent out world-wide publicity and received poster proposals from Europe, USA, Africa and Canada.
- The organizing committee was international in composition.
- Poster presenters were drawn from industry, academia and the military.
- Short papers are to be published in IEEE Xplore.
- Presenters noted that they received valuable feedback on their work.
- Edited highlights of the panel and poster sessions will be made available to GOLD members as vodcasts.

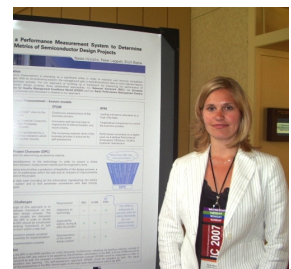
IEMC organizers have requested that GOLD track becomes a part of IEMC 2008.

The GOLD contribution was co-ordinated by Dr. Irena Atov (TAB Representative to the GOLD Committee) who is also the organizing chair of the GOLD tracks.

The second GOLD event was a session at IEEE Globecom 2007 in Washington DC, held on the 28 November, 2007. The session included two GOLD keynote talks and an interactive panel session. The outcomes of this will be the subject of an article in the next edition of *IEEE GOLDRush*.

The lessons learnt from these two pilot GOLD events will be written up as a template which society GOLD groups can use as a guide to organize similar events at other IEEE society conferences. If any GOLD society representative is interested in finding out more, please contact Irena Atov at i.atov@ieee.org.

As well as the IEEE Foundation, GOLD would like to thank the Engineering Management Society and the IEEE Technical Activities Board for their generous financial support. GOLD would also like to thank the GOLD track conference organizing committee for their hard work in making these GOLD events outstanding successes.



Neele Hinrichs presenting her short paper at the GOLD poster session.

IEEE Education Society hosts GOLD Event in India

By Aju Thomas Abraham

(GOLD Representative on IEEE Education Society)

The IEEE GOLD Committee created the position of IEEE Education Society GOLD Coordinator in 2007 to benefit the young engineers of the IEEE Education Society. One such benefit is the exchange of valuable ideas and information through presentation sessions and networking sessions.

On 4 August, 2007, the IEEE Kerala Section hosted a technical talk by Dr. S. H. Mousavinezhad, Membership Development Chair of the IEEE Education Society, in

Thiruvananthapuram, India. Dr. S. H. Mousavinezhad is also Department Chair and Professor of Electrical Engineering at the College of Engineering in Idaho State University, USA. This talk included an introduction to the IEEE Education Society and ABET Inc., and a session on Digital Filters and Digital Signal Processing with MATLAB / MATHCAD Applications.

The session was very well received and many researchers and scientists attended. More activities for the benefit of IEEE GOLD members will be planned across the globe under the auspices of the IEEE Education Society.



Dr. Mousavinezhad giving the talk, with GOLD members listening attentively and taking notes.

Workshop for Fresh Engineers in Jordan

By Feras Diab

(Secretary of Jordan GOLD Affinity Group)

On 8 September, 2007, the GOLD Affinity Group in the Jordan Section conducted a one day soft skills workshop in the Jordan Engineers Association's premises.

The workshop targeted new engineering graduates from various universities across Jordan, who represent the Section's newest GOLD members. Dr. Tareq Rasheed, a staff member of the Jordan University and an expert in soft skills training, presented the workshop "Changing Attitudes & Building Skills for Market Entry."

The workshop covered the following topics:

- Communication skills.
- Application letters and resume writing.
- Interviews.
- Negotiation skills.
- Presentation skills.

The audience enjoyed the workshop, in which they were given valuable tips for entering the job market and dealing with the associated daily challenges.

The newly formed GOLD Affinity Group Committee is planning to organize several other events to attract large numbers of new graduates to the IEEE. In order to proceed with these plans, a great deal of coordination is taking place with the other Affinity Groups and Chapters within the IEEE Jordan Section.



GOLD members in Jordan eagerly listening to Dr. Tareq Rasheed.

EMBS-GOLD Networking Reception — Part Deux

By Lisa Lazareck

(GOLD Representative on IEEE Engineering in Medicine & Biology Society)

IEEE GOLD graduate students and young professionals of the Engineering in Medicine and Biology Society (EMBS) converged at the 29th Annual International Conference of the EMBS held in Lyon, France on Saturday, 25 August, 2007. Over 120 GOLD members attended the second annual IEEE EMBS-GOLD Networking Reception, which was a 60% in-

crease in attendance from the inaugural event in 2006. Over fourteen countries were represented, including Argentina, Australia, Brazil, Canada, Finland, France, Germany, Greece, Italy, Portugal, Republic of Ireland, Spain, UK, and USA. The evening's atmosphere was jovial and many new friends left the reception together to either tour the Old Town or to enjoy the world-class cuisine of Lyon.

The 2007 reception was successful with the support of the EMBS Executive Office, EMBS AdCom, EMBC'07 Organizers,

GOLD Executive Office, GOLD Committee, and Region 8. The EMBS hopes this annual event will continue to grow and help our GOLD members find their peers within the community, while familiarizing members with the opportunities GOLD has to offer. For further details or comments, please contact the GOLD Representative on the IEEE EMBS, Lisa Lazareck (lisa.lazareck@eng.ox.ac.uk), as she would love to hear from you!



IEEE GOLD members and volunteers enjoying the second IEEE EMBS-GOLD Networking Reception.

IEEE GOLDRush would like to welcome **Dr. Agusti Solanas** from Catalonia, Spain as a new **GOLDRush Editorial Assistant!** Thank you for your editorial contributions to this newsletter Agusti. We look forward to working with you more!

New *IEEE GOLDRush* position!

IEEE GOLDRush is seeking a **Newsletter Graphic Designer** to add value to our team. The responsibilities of this volunteer position are as follows:

- Continuously seek (and implement) ways to improve the layout and design of *IEEE GOLDRush*.
- Insert and arrange edited articles in MS Publisher software for each edition of *IEEE GOLDRush* (published quarterly).
- Ensure the timely publishing of *IEEE GOLDRush* by providing regular feedback to the GOLDRush Editorial Team.

If you are interested in this exciting volunteer position, please e-mail the *IEEE GOLDRush* Editor Adrian Pais at a.pais@ieee.org.

Introducing IEEE Melbourne Section GOLD Affinity Group

By Xanthe Johnson

(IEEE Melbourne Section GOLD Affinity Group Chair, Region 3)

The IEEE Melbourne Section GOLD Affinity Group had its inaugural year in 2006. A special thank you to the IEEE for providing the funding to help us get started. The year was filled with educational, informational, and networking meetings for the benefit of our recent graduates, local students, and new residents in our Section.

We kicked off the year with a dinner to celebrate the addition of our new GOLD Affinity Group to the IEEE Melbourne Section.

Another meeting was held in search of other officers and volunteers for our newly formed group so that we could better aid young engineers in their transition from academia to their professional career and provide a networking environment for local and relocated engineers. Other enthusiastic IEEE GOLD members started to emerge and were eager to help, including Michael McCormack (Vice Chair), Amanda Muller (Event Coordinator), and Stephanie McLeod (Secretary).

We tried to think how we could best help our GOLD members succeed in our area. We were able to determine several topics which we thought would be the most beneficial for a young engineer's overall success. Education, financial success, social networking, and career networking were the topics we chose to focus on for our meetings and events.

Happy with our intended direction, we started with an educational meeting, hoping we could help engineers who were interested in continuing their engineering education by conducting an information session and providing resources and applications for the graduate program at Florida Institute of Technology. A Florida Institute of Technology administrator gave a presentation of the programs, curriculum and professors associated with the Electrical and Computer Engineering Masters Degrees.

We also organized a Financial Management meeting, and invited Dennis Broderick, a Senior Vice President from Primerica Financial Services, to provide guidance about debt management and to educate our GOLD members with suggestions on how to obtain financial independence.

With the help and dedication of our volunteers, our Melbourne GOLD Affinity Group had a great first year.

This year we are enjoying another successful GOLD year. We are continuing our previous efforts, and are also trying to provide a little more fun and a rewarding environment for our GOLD members. While we maintained almost all of our wonderful volunteers, we wished Mike McCormack well when he transferred to New York, and we welcomed Shane Layton in his place.

We included some exciting and sophisticated events this year, hoping to attract even more interest to our events. One of our first events this year was a joint effort with our local

student branch from Florida Institute of Technology. We invited IEEE members and non-members to an indoor paintball event in April at the Combat Zone in Merritt Island, Florida. Lots of different games were played, with a lot of success in painting each other with multiple colors. Everyone had a great time, and expressed interest in a future paintball event.

We put a sophisticated flair on our social networking event by hosting a wine tasting event at Wine-Oh! in Cocoa Beach, Florida. Participants enjoyed sampling five different wines from around the world, each paired with a delicious appetizer prepared by Wine-Oh! owner Mary McNeal. A "Networking Bingo" game was distributed, in which everyone attempted to fill a 16-square bingo card by obtaining signatures from other attendees who fit various personal and professional descriptions. GOLD gave away a bottle of wine to the winner of the bingo game and also as a door prize. Everyone had a fantastic time thanks to our volunteers!

We have already been discussing ideas for next year's meetings and events, and are excited to continue the growth and success of our IEEE GOLD Affinity Group for years to come. The Melbourne Section GOLD Affinity Group would like to express appreciation and gratitude to all of our volunteers that help make our continued success possible.

News from IEEE Societies, Committees and Major Boards

IEEE Transnational Committee

By Wole Akpose
(GOLD Representative on IEEE Transnational Committee)

The IEEE Transnational Committee was created by the Regional Activities Board (RAB) to foster the enhancement of the international character of IEEE and address multinational and multicultural issues in the global community that the IEEE encompasses. Since its founding in 2005, the committee has developed resources and

solutions to address issues like publication translation and support for non-English speaking authors. Also, the committee has researched and proposed solutions for transnational issues such as IEEE fee disparity (compared to local income), IEEE staff-member visibility in non-USA regions and multinational collaboration. Additionally, recommendations have been made for improving communication between members of non-USA regions and the IEEE staff. While the committee had measurable

success, its utility was questioned by RAB, and it was subsequently disbanded in May 2007. However, many of the issues researched by the committee have helped highlight the need for an organization within the IEEE that could channel appropriate resources and solutions to address transnational issues affecting IEEE members in the coming years.

IEEE-USA Employment and Career Services

By Wole Akpose
(GOLD Representative on IEEE-USA Employment and Career Services Committee)

The Employment and Career Services Committee under the chairmanship of Peggy Hutcheson is responsible for developing solutions and resources to help IEEE members prepare for the various phases of their professional careers. In the past, the committee has developed resources avail-

able through the IEEE-USA career portal (<http://careers.ieeeusa.org>). Currently, they are working on several new initiatives, such as the Annual Career Checkup, the Engineering Skills Symposium, Career Webinars, downloadable e-books, annual salary surveys, online community, and the Consultants Database to name a few. Other projects include resources for IEEE members in multinational and multicultural working environments and a career chart showing typical engineering career lifecy-

cles. The committee also reaches outside of the USA to communicate how its work and solutions might benefit members across the world, and they actively make many of these resources available to the global community. IEEE members, particularly GOLD and student members are encouraged to visit the IEEE-USA Career Navigator website at <http://careers.ieeeusa.org> which serves as the central portal for all the committee's developed solutions.

IEEE Antennas and Propagation Society

By Lance Griffiths
(GOLD Representative on the IEEE Antennas and Propagation Society)

This year the IEEE Antenna and Propagation Society held their international confer-

ence at the Waikiki Sheraton in Honolulu, Hawaii. Great food was served at the student/GOLD reception, with over 70 people attending. Students and GOLD members were able to mingle, network, and discuss some of their most pressing issues. In addi-

tion, each attendee was given a questionnaire on how IEEE could better meet their needs. The reception was a great success, with GOLD and the Education Committee planning to repeat this event next year in San Diego.

IEEE Laser and Electro-Optics Society

By Lianshan Yan
(GOLD Representative on IEEE Laser and Electro-Optics Society)

As the GOLD Representative on the Laser and Electro-Optics Society (LEOS) since early this year, I have been involved in several membership proposals addressed to our young fellows. At the time of writing this article, several GOLD activities within the LEOS are pending the approval of the LEOS Board of Governors (BoG). These activities include:

- Creating a GOLD committee within the society, with representation from key regions, to organize or participate in relevant activities (e.g. conferences and summits);
- Recruiting more student members through the involvement of academic groups as group members within the LEOS;
- Creating an online forum within the LEOS website for young professionals to share ideas, comments, and career opportunities;
- Creating an e-newsletter for LEOS GOLD members;

- Creating an award for GOLD activities and membership enhancement.

Other activities are also under consideration, including the invitation of experts for career mentoring, professional talks delivery, etc.

IEEE LEOS is open to different opinions and proposals to improve its membership services. Any comments or suggestions can be directed to LEOS staff members or to the LEOS GOLD representative at lianshan@ieee.org.

Is that an IEEE Standard?

By Scott Tamashiro
(GOLD Representative on IEEE Standards Association)

GOLD has initiated a partnership with the IEEE Standards Association (SA) this year. Many members may know Firewire and Bluetooth, but how many know that these are IEEE standards 1394 and 802.15, respectively? The IEEE standards process seems to be a mystery for those of us who are more familiar with the membership and regional (and sometimes technical) entities of IEEE. I was invited to one of the IEEE

Standards Board meetings in Piscataway in June. You might be surprised to learn that

- you do not have to be an IEEE member (or SA member) to participate in the many standards working groups;
- working group committee members' attendance is not sponsored by the IEEE but by their companies or themselves; and
- the Standards Board is just a small (but important) portion of the SA.

One of the results of the meeting was the formation of an ad-hoc group on possible SA/GOLD initiatives. The main focus is on standards education concepts which could include having SA members attend GOLD meetings, developing a standards tutorial/webinar, or creating an interactive standards development workshop. We have a meeting with the Standards Board in December in which we will recommend one or more SA/GOLD initiatives for 2008.

Notices

New Programs launched for IEEE.tv

IEEE.tv is an internet based television network made possible by the members of IEEE. IEEE.tv produces and delivers special-interest programming about technology and engineering for the benefit of IEEE's members and the general public. IEEE.tv can be launched from http://www.ieee.org/web/membership/IEEEtv/about.html?WT.mc_id=hpwd_ieeeetv. New programs now available include:

Care Innovations - Green Engineering

Designing for sustainability is the focus of this short program aimed at the general

public. Experts discuss the technical challenges of greening the entire chain, from raw materials to manufacturing, distribution, and disposal. One example discussed is the elimination of lead from solder, and the unintended consequences of doing this.

Education for Analog ICs

So much to learn, so little time. Research leaders in industry and at universities summarize the challenges of training to design analog integrated circuits. The advantages of serving on peer review committees to stretch your expertise, even after you have

your degree, is also discussed.

Group on Earth Observations (GEOSS) Technology

Remote Sensing technology revolutionized mankind's ability to observe and measure the earth, the land, the seas, and the atmosphere. Recorded at the IEEE 2006 International Geoscience and Remote Sensing Symposium, this program includes interviews with several prominent scientists and engineers to gain a snapshot of recent developments in Remote Sensing.

Inviting IEEE Graduate Student Members to IEEE Mentoring Connection Program

The IEEE Mentoring Connection™ Program is a web-based program designed to match younger IEEE members with more experienced members in order to facilitate a mentoring partnership to help in career planning and professional development. This program is not used as a search for employment opportunities or referrals. We are opening the program to IEEE Graduate Student Members to join the program as mentees.

Interested members can visit <http://www.ieee.org/mentoring> for information on the roles and responsibilities of each mentoring partner, including additional program information and an FAQ page. Potential mentees and mentors are asked to review the time and effort commitment to the program necessary to ensure a successful mentoring partnership. The program enables the mentee to select their mentoring

partner online from a list of individuals who have volunteered to serve as mentors. After mentors are identified as a potential match, they are contacted and asked to begin establishing a relationship.

If you have any questions, please contact Cathy Downer, Regional Activities, at c.downer@ieee.org.

Region 10 GOLD Congress

The next Region 10 GOLD Congress will be held in Chennai (also known as Madras) from 28 to 30 January, 2008 to coincide with the R10 Student Congress and R10 Women In Engineering Congress. Details are still being finalized at this time. Contact Helene (hfung@ieee.org) or Sampath (sampa7k@yahoo.com) for more information.

2008 IEEE International Conference on TePRA

You are cordially invited to submit a paper or a proposal for an exhibit or tutorial to the *2008 IEEE International Conference on Technologies for Practical Robot Applications (TePRA)* to be held from 10 to 12 November, 2008 in the Greater Boston Area, USA. For further information see <http://www.ieeerobot-tepra.org>.

GOLD Committee 2007

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Soon Wan

Vice-Chair

Verona Wong

Past Chair

Darrel Chong

Secretary

Scott Tamashiro

Staff

Cathy Downer

TAB Representatives to GOLD

Irena Atov

Meyya Meyyappan

Oscar N. Garcia

RAB Representatives to GOLD

Scott Tamashiro

Joanna Low

Enrique Alvarez

GOLD Representatives on IEEE

Major Boards

Educational Activities Board

Verona Wong

Publication Services & Products Board

Adrian Pais

IEEE-USA

Kristi Hummel

Standards Association

Scott Tamashiro

Regional Coordinators

Regional Overseer

Bill Serre (Region 4)

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Nick Nonis

Region 2

Jack Freund

Region 3

Joey Duvall

Region 4

Bill Serre

Region 5

Jeffrey Handal

Region 6

Russell Hunter

Region 7

Lori Hogan

Region 8

Pilar Molina Gaudó

Region 9

Ricardo Veiga

Region 10

Yasuharu Ohgoe

GOLD Representatives on IEEE

Societies

Society Coordinator

Gerald Anleitner

Aerospace & Electronic System Society

Mike Roberts

Communication Society

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