

The IEEE Latin America and the Caribbean Magazine

noticieero

Volume 25, Number 4, July/August 2014 [81] ISSN 2157-8354
English | Portuguese | Spanish

#90



IEEE

*Advancing Technology
for Humanity*

Editor-in-Chief | Editor en Jefe
Salomón A. Herrera (Ecuador)
salomon.herrera@ieee.org

IEEE Region 9 Executive Committee | Comité Ejecutivo de la Región 9 del IEEE

Regional Director | Director Regional

Norberto Lereñdegui (Argentina)
nlerendegui@ieee.org

Director-Elect | Director Electo

Antonio Ferreira (Brasil)
antonio.ferreira@ieee.org

Past Director | Director Pasado

Gustavo Giannattasio (Uruguay)
gianna@ieee.org

Regional Secretary | Secretario Regional

Antonio Calderón (México)
jac012000@hotmail.com

Regional Treasurer | Tesorero Regional

Jorge Him (Panamá)
j.him@ieee.org

Regional Committees Chairs | Presidentes de Comités Regionales

Educative Activities | Actividades Educativas

Joberto Sérgio Barbosa Martins (Brasil)
joberto.martins@oi.com.br

Information Management | Gestión de la Información

Fabián Camilo Peña Lozano (Colombia)
fabiancpl@ieee.org

Student Activities | Actividades Estudiantiles

Augusto Herrera (Argentina)
dani_monteiro@ieee.org

Technical Activities | Actividades Técnicas

Isidro Ignacio Lázaro Castillo (México)
ilazaro@ieee-sco.org

E-Noticieero - EiC

Salomón A. Herrera (Ecuador)
salomon.herrera@ieee.org

Membership Development | Desarrollo de Membrecía

Antonio Ferreira (Brasil)
antonio.ferreira@ieee.org

Awards and Recognitions | Premios y Reconocimientos

Tania Quiel (Panamá)
t.quiel@ieee.org

Transactions | Transactions

Mirela Sechi Morelli (Brasil)
mirela@ieee.org

AdHoc Committees Chairs | Presidentes de Comités AdHoc

Nominations | Nominaciones
Gustavo Giannattasio (Uruguay)
gianna@ieee.org

History | Historia

Francisco Martínez (México)
f.martinez@ieee.org

GOLD | GOLD

Celso Crivelaro (Brasil)
celso.crivelaro@ieee.org

WIE | WIE

Elena Durán (Ecuador)
e_cris_duran@hotmail.com

Strategic Planning | Planeación Estratégica

Antonio Ferreira (Brasil)
antonio.ferreira@ieee.org

Accreditation Advisory Committee | Comité Asesor de Acreditación

Joberto Sérgio Barbosa Martins (Brasil)
joberto.martins@oi.com.br

New Initiatives | Nuevas Iniciativas

Carlos Lozano (Colombia)
calozanog@ieee.org

IEEE Foundation | Fundación IEEE

Rubén Barrera Michel (Guadalajara)
rub_barrera@ieee.org

Fellow | Fellow

José Jardini (Brasil)
jose.jardini@gmail.com

Life members | Life members

Carlos Nafarrate Mexía (México)
carlosnafarratem@nafarrate.com

SIGHT | SIGHT

Eduardo Navarro (Venezuela)
enavarro@ieee.org

Industry Relations | Relaciones con la Industria

Alessio Bento Borelli (Brasil)
alessio.bento@gmail.com

Revitalizing Sections Initiative / R9 Operation Manual Review | Iniciativa de Revitalización de Secciones / Revisión del Manual de Operaciones

José David Cely (Colombia)
j.d.cely@ieee.org



Noticieero (ISSN 2157-8354) es una publicación bimestral de la Región 9 del IEEE, América Latina y el Caribe, que se distribuye a toda su membresía en formato digital y se encuentra disponible para toda la comunidad en www.ieee.org/r9. Los idiomas oficiales de la publicación son inglés, portugués y español (castellano). El contenido de los artículos publicados es responsabilidad de los autores y no compromete al IEEE. Esta obra se publicó en el mes de abril de 2014.

Citar artículos en esta edición del Noticieero como: "IEEE Noticieero, nombre del artículo, Volume 24, Number 3, May/June 2013 [82], pp-xx".

Copyright Notice: © 2010 IEEE. Personal use of this material is permitted. Permission from IEEE must be obtained for all other uses, including reprinting/republishing this material for advertising or promotional purposes, creating new collective works for resale or redistribution to servers or lists, or reuse of any copyrighted component of this work in other works. Contact Noticieero's Editor-in-Chief. According 8.1.9 Electronic information dissemination, IEEE PSPB Operations Manual, 13 February 2009.

Cover Photo: <http://www.choosemontgomerymd.com/business-community/industry-sectors/communications-satellites/>

Contents/Contenido/Conteúdo

04 Mensaje del Editor en Jefe

Dinámica de la Región 9 de IEEE

SALOMÓN A. HERRERA

09 Interviews to IEEE President Candidates

IRENE PAZOS

19 SEMINARIO POWER QUALITY

MAYRA ELIZABETH MÉNDEZ

22 Semblanza al Ing. Oscar Penny

MARÍA CHIOK

24 Seminario sobre Descarga de Arco

RALPH A. KREIL RIVERA

27 Stepping UP Your Career

VINICIUS CARRASCHI - JU IN JEON

29 Trigésimo cuarto Congreso de Centroamérica y Panamá CONCAPAN XXXIV

DIANA VERA SANTANA

41 Mujeres en la Ingeniería: Rompiendo Paradigmas

CARLOS RUEDA

05 Mensaje del Director Regional

Building IEEE Communities that Matter

NORBERTO LERENDEGUI

17 How IEEE Volunteers Can Get Connected With Educational Activities

DOUGLAS GORHAM

21 The Importance of a Communicator in STEP Events

NAYARA KOBORI - RAFAEL MATSUYAMA

23 Visita Técnica a planta de gas natural EcoEléctrica

RALPH A. KREIL RIVERA

25 How a Photo Can Make Engage Volunteers

LUCKAS A. FARIAS

28 Entrepreneurial Meetup for Change

31 IEEE Young Professionals Interviews

43 IEEE Sección Ecuador en Guayaquil

SALOMÓN A. HERRERA



Celebrando el día IEEE

SALOMÓN A. HERRERA - Editor-in-Chief
salomon.herrera@ieee.org

El 7 de octubre de 2014 se celebrará el día IEEE con muchas actividades a nivel mundial, <http://www.ieeeday.org/>.

Estimado Lector, permítanme presentarles una nueva edición de la revista oficial de la Región 9. En esta edición, el NoticieEero, presente más actividades que se organizan en varias Secciones.

En nuestra Región, de la misma manera que otras Regiones de IEEE, celebrará el #IEEEDay2014 con actividades y proyectos.

Los invitamos a que sean parte activa del NoticieEero, que nos hagan llegar sus noticias y artículos para que todos los Miembros de la Región conozcan lo que se hace en la Región 9 del IEEE.



noticieero@ieee.org



Mantenga el contacto con el noticieero en:



noticieero



NORBERTO LERENDEGUI – IEEE R9 – Director Regional 2014-2015
nlerendegui@ieee.org

Building IEEE Communities that Matter

One of the IEEE priorities approved in 2013 by the IEEE Board of Directors is: "Expand nimble, flexible, disband-able IEEE communities allowing individuals from all around the world to share, collaborate, network, debate and engage with one another". This priority embeds one question: Why and How do people get together in the IEEE world?

In a recent dinner with the IEEE president and several IEEE officers, the Argentina Section chair posed a simple question: **What is the process to establish a new Society when a group of researchers and practitioners are working in a new field that is not properly covered by the standing societies?** Our IEEE president explained that the natural process is to establish a technical committee inside a society having an overlapping field, grow that group, turn that group into a council if necessary and finally, if size and relevance conditions are met, the IEEE Technical Activities Board (TAB) might approve the creation of such a new society.

This process has been followed by many societies. For instance, on January 1st 2015, the **IEEE Technology Management Council (TMC)** will transition from an IEEE Council to an IEEE Society. This transition will impact all of the existing TMC Chapters, and will bring new opportunities to Sections without current Chapters. Nevertheless, this situation has some subtleties:

- Technical Councils in IEEE do not have individuals as members: their members are Societies. As a Council, TMC has 14 Member Societies. The current Chapters have large membership, because the membership of the Chapter is the sum of all of the local members of all 14 of these Societies.
- Societies have individuals as members, so when TMC transitions to the **Technology and Engineering Management Society (TEMS)**, the new Society, and hence the Chapters, will need to have members in order to maintain their status.

This is the last stage of the story of a particular technical community. We may wonder **Why and How people get**

together in our IEEE world to build technical communities.

The "Why" part of the question probably has a simple explanation. Recalling **Robert Hebner's** words: **"Technology is advanced through communities and benefits to humanity occur through communities"** (Bob Hebner is past IEEE TAB Vicepresident).

IEEE has 6 structural communities: **MGA** (Member and Geographic Activities Board), **TAB** (Technical Activities Board), **EAB** (Educational Activities Board), **PSPB** (Publication Services and Products Board), **SA** (Standards Association) and **IEEE-USA**. Some IEEE volunteers are active in two or more of these structural communities that in turn have several subcommunities. IEEE takes the community concept seriously because it is the way that people learn, work and develop technology. Even some IEEE initiatives focus on hybrid communities such the Smart Cities Initiative. In this project 100's of cities globally have decided politically to become smart cities. The word "Smart" can include communications, computing, power, sensing, transportation, medicine, etc. **"The IEEE focuses on helping the IEEE members locally to have access to world class information in relevant areas to make the local technical community the foundation of sustainable improvements"**. Think globally, act locally.



To answer the "How" part of the question we can have a look to the technical communities established by the TAB Future Directions Committee (FDC). The IEEE Lifesciences and Smartgrid large-scale communities are the results of initiatives that have passed several phases, including coordination across Organizational Units, positioning IEEE as one face to customers and becoming a thought leader. These initiatives are transitioning out the umbrella of the IEEE FDC entering the stage of ongoing support by IEEE.

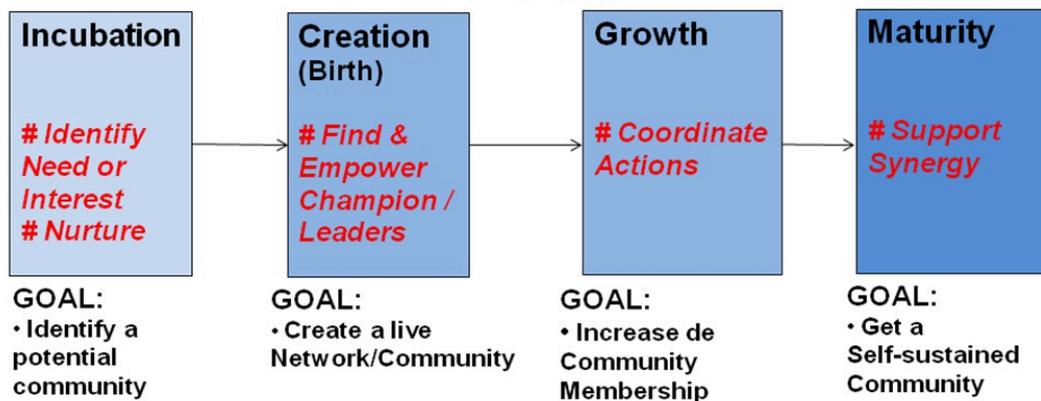
On the other hand, the IEEE Transportation Electrification and Cloud Computing initiatives still deserve more coordinated efforts to turn the IEEE into a thought leader in these fields. There are other IEEE FDC driven communities that are under incubation: Internet of the Things, Smart Cities, Green ICT, Software-Defined Networks and Rebooting Computing.



To establish IEEE local and regional communities we can carry out a process that resembles that found in the former large-scale communities. This process has four phases:

- Incubation: identify a potential community
- Creation: create a live network/community
- Growth: increase the community membership and widen the network
-

Building Tech Communities



In the Incubation Phase a need or interest is detected. It is important to properly nurture this potential community. The IEEE has several tools to do this: DVPs (Distinguished Visitor Programs) of the technical societies, Metro Area Workshops, Technology Navigator, ieeetv and Videos, Tutorials, e-books, Technical Activities tools, among others.

The Creation Phase presents the challenge to find and empower champion or leaders to launch the community to the growing arena. The IEEE has tools to join all the people with a common interest: SAMIEEE, vTools, Section Dashboards, eNotices, online communities (www.oc.ieee.org). The Professional Productivity and Collaboration Tool (PPCT) to be launched soon will provide a specialized service with a scope and depth of expertise in engineering and technology not found in general social networks such as Facebook, LinkedIn or Google+.

The Growing Phase mainly involves coordination of actions among the different organizational units. Mature connections and activities in conjunction with society chapters and sections provide a healthy environment to assure the vitality of the community. Web site and social media tools will act as a gluing factor.

Finally, entering the last stage, the Maturity Phase, will indicate that the technical community has developed self-sustainability. This involves that the community has sponsors, suitable number of members, committed

volunteers, efficient networking, clearly stated goals and leaders' renewal process.

Building a Technical Community takes work. Despite the evolution of the community probably has its own pace some hints can be provided for a successful development. For instance, inviting speakers to meet needs and the effective use of the new tools offered by IEEE are two important factors. It is preferable to schedule shorter events and shorter talks on a longer time rather than few major impact events. Whatever decisions are taken the leaders should strive to leave a foot print.

To Probe Further:

Professional Productivity and Collaboration Tool (PPCT) <http://www.ieeer8.org/download/17868>

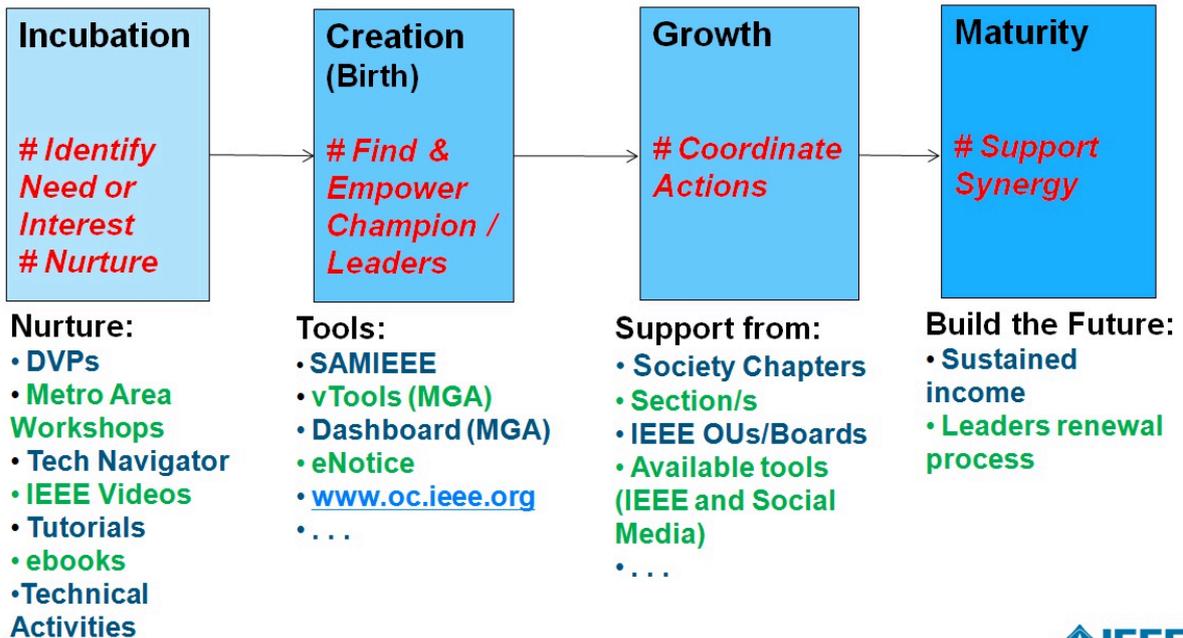
IEEE Smart Tech: Metro Area Workshop Series www.ieee.org/metroevents

vTools: <http://sites.ieee.org/vtools/>

ieee.tv: <https://ieeetv.ieee.org/>

Norberto Lerendegui (nlerendegui@ieee.org) is Director of the IEEE Region 9 and member of the IEEE Board of Directors (BoD). He is Dean of the School of Engineering and Technology and Director of the Mechatronics Center at the Instituto Tecnológico de Buenos Aires (ITBA). He was R&D manager of companies that develop, manufacture, market and install medical devices.

Building Tech Communities



2

9/17/2014



Building Tech Communities

IEEE MGA vTools

Home | Products | Tutorials | Blog | FAQ

Search IEEE MGA vTools

vTools Mission

Providing tools to the volunteers and staff who support our members.

Quick Links

- Create a WebInABox site

- Create a WebInABox site
- Report officer changes
- Schedule a Meeting
- Section Vitality Dashboard
- Setup a Survey
- Setup a Web Conference
- Setup an election
- Submit an eNotice request using the new tool
- Submit an eNotice request.
- Submit L31 report
- Vote in an election



ANDESCON 2014

Tecnología al alcance de la Región

IEEE ANDESCON BOLIVIA

**15 al 17 de octubre 2014 Campus UPB-
Cochabamba**

Conferencia y Exhibición bianual de mayor relevancia en el IEEE Andino que agrupa a la comunicad científica y tecnológica de Venezuela, Colombia, Ecuador, Perú y Bolivia.

PRINCIPALES TÓPICOS:

- ✓ Eficiencia Energética
- ✓ Redes Inteligentes
- ✓ Generación Distribuida
- ✓ Electrificación Rural
- ✓ Comunicaciones
- ✓ Robótica y Automatización
- ✓ Sistemas de Control Industrial
- ✓ Compatibilidad Electromagnética
- ✓ Sistemas y Circuitos
- ✓ Software e Informática
- ✓ Biología e Ingeniería Médica
- ✓ Educación en Ingeniería
- ✓ Procesamiento de Señales
- ✓ Inteligencia Computacional
- ✓ Gestión de la Tecnología
- ✓ Implicancias Sociales de la Tecnología.

INFORMACIÓN DE CONTACTO:

Israel Troncoso: Israel.troncoso@gmail.com

Alejandra Salinas: apsalinas@entel.bo

Orlando Pérez: operez@ieee.org

ORGANIZAN:



AUSPICIAN:



BARRY SHOOP

Candidate for 2015 IEEE President-Elect

Barry Shoop received the Ph.D. in Electrical Engineering from Stanford University. He is Department Head of Electrical Engineering and Computer Science at the U.S. Military Academy at West Point, responsible for an academic department with 79 faculty and staff serving over 2300 students annually. He is a Fellow of the IEEE, OSA and SPIE. He received the 2008 OSA Robert E. Hopkins Leadership Award, the 2013 SPIE Educator Award, and the 2013 IEEE Haraden Pratt Award with the citation that reads: "For vision and leadership in improving IEEE operations and governance, and for building a stronger foundation for IEEE's strategic future."

Earlier Dr. Shoop was a satellite communication engineer responsible for design and installation of a high-capacity, world-wide digital communication network, and also the Chief Technology Officer (CTO) for a \$4.5B organization addressing the Improvised Explosive Device (IED) challenge, worldwide. He holds a patent on photonic analog-to-digital conversion, and has authored over 150 archival publications as well as 8 books and book chapters. He is a licensed Professional Engineer in Virginia.

More details at: <http://BarryShoop.net>

1. There is a difference between an individual contributor and a technical leader, and part of the difference has to do with understanding the value of empowering others to do better things rather than working alone. What caused you to move from individual contributor (practitioner) to technical leader?

In my early years as an engineer, I took great pleasure and pride in developing technological solutions to problems. There is tremendous satisfaction in being able to go from concept to hardware – creating things that previously did not exist – to solve problems. As I became more senior, I moved into positions where I managed other technical people and I was able to lead others to solve larger and more complex problems – and therefore the overall impact was greater. I followed the same path in my professional society volunteer leadership positions – first working on individual projects myself and later, in more senior volunteer leadership positions, leading other volunteers. Again, the impact was greater and therefore the satisfaction was also

greater. As Vice-President of Member and Geographic Activities (MGA), I served as a Corporate Officer of the IEEE leading a global network of volunteers serving the professional needs of over 430,000 members in over 190 countries worldwide through a network of 10 regions, 333 local sections and 2,350 student branches. In the IEEE, ultimately it's about making a contribution and making my professional society better – and serving in leadership positions allows me to make a larger impact. It is also incredibly rewarding to help others succeed – effective leadership ultimately sets the conditions for others to succeed.

2. Which is your leading experience that you consider personally most remarkable?

I have been an active IEEE volunteer leader for over 20 years and bring diverse leadership experience from three other professional societies and a career spanning over 34 years. My IEEE experiences provide me with comprehensive knowledge of the operations of the IEEE – across the breadth of the Institute. I am a collaborative leader - I listen to people, understand the issues and have a demonstrated record of bringing diverse groups to consensus. I have led major change in the IEEE by focusing on the member, developing products for the practitioner, and improving our strategic positioning. I have a vision, a plan and the experience to lead IEEE to be the professional society of choice for technical professionals around the world.

3. How would you motivate IEEE members to envision and embrace leadership values of "Advancing technology for Humanity", so far from engineers education?

I believe that one of the most important applications of technology is to improve people's lives. For those in underserved regions of the world, it can save lives, alleviate suffering, and maintain human dignity. Broadly speaking it can benefit society and the human condition. In all regions of the world it can improve the quality of life. Helping our members understand how technology can be used to solve important problems and provide solutions to clean water, reliable energy, food production, health care, education and ultimately industrialization and employment is an important first step. Seeing the impact of a water purification system on a village in South Africa or improvements in

education resulting from the use of technology in Bogota can motivate and inspire our members to become engaged and thereby embrace IEEE's vision of Advancing Technology for Humanity.

4. Please share with us who they are your heroes and role models, and why or how they guided you.

Mentors and role models play a critical role in the personal and professional development of individuals. It was through mentorship that I originally got into the field of electronics and electrical engineering. My father was my first mentor – I grew-up in rural Pennsylvania in the early 1970s – the era of muscle cars. In high school, I was convinced that my destiny was to be an automotive mechanic. My father, who spent a career as a truck driver, instead recommended the field of electronics – while not a formally educated man, his appetite for reading led him to the conclusion that this was the field of the future. I listened to his rationale and sage counsel and the rest is history. As I reflect on my career there always seemed to be someone looking out for me – whether a teacher, guidance counselor, professor, peer or a senior leader – there was always someone who thought I was capable of more than I thought of myself. Several were role models who I aspired to be like. Most were not formal mentorship relationships but instead were simply knowledgeable and experienced individuals willing to take time to share their experiences and the courage to provide honest feedback about my strengths and weaknesses. I became a better engineer, leader and human being as a result of these mentorship engagements.

5. Dealing with big organizations is never easy, so succeeding in accomplishments leaves interesting lessons learned. Please tell us about your happiest experience, and also please tell us the kind of (IEEE) problems you went through.

As Vice-President of Member and Geographic Activities, I developed the Regional Geographic Strategy, a data-driven methodology and prioritized strategy to engage in mature, under-represented and emerging markets, world-wide. This methodology focuses on unique circumstances and commonality of the local geographic region to improve membership value and drive recruitment and retention. One of the major successes of this strategy is the Metropolitan Area Workshop which is a unique collaboration between multiple IEEE organizational units to provide professional education and certification that will equip members to compete in an increasingly challenging job market. The goal of these workshops is to increase member engagement and provide value to IEEE members and their local community by providing career assistance, professional networking and education on technology changes. The target audience is the practitioner – practicing engineers and technical professionals who are innovators, have a desire to learn more, and/or are in career transition or considering a career change. The content of these

workshops addresses emerging technologies that are in demand within the local geographic area. Example topics have included Cloud Computing, Smart Grid, Software Engineering, Mobile Application Development and Electric Vehicle Technology. The biggest lesson learned in this particular example is that change in large organizations is slow and difficult – and requires persistence and tremendous personal engagement to succeed.

6. Which are the strengths and weakness you identify in R9, and your ideas about focusing them.

In all of my travels throughout Latin America I am struck first and foremost by the passion of the people. Work hard and play hard is a fitting description. Our IEEE volunteers in Region 9 are no exception – absolutely dedicated volunteers who are committed to improving the IEEE and supporting our members. Region 9 is also fortunate to have student members who are energetic, very active and willing to work on IEEE projects. Region 9 is suffering from the same downturn in membership that many other IEEE Regions are experiencing. Local Section vitality and improving IEEE value at the local level is key. Activities like the Metropolitan Area Workshop which provides professional education and certification to help members compete in an increasingly challenging job market. The content of these workshops addresses emerging technologies that are in demand within the local geographic area. These have been a huge success – well attended and with high satisfaction and attracting new members. Another challenge is that there is a lack of continuity in the leadership of IEEE's Sections, Chapters and Student Branches. I have also seen a lack of collaboration between the Sections and Chapters and the Student Branches in Region 9 – this is important to bring the student's new ideas and vitality to the Sections and Chapters and to provide the role models and mentors to the students for their professional development and to develop IEEE's future leaders. Finally, IEEE is not well known or valued among practitioners in Latin America. Here too I think the Metropolitan Area Workshop could serve as a model. The target audience for these workshops is practicing engineers and technical professionals who are innovators, have a desire to learn more or are in career transition or considering a career change. By supporting our practicing members we support our industry partners and demonstrate IEEE's relevance to both.

7. Which are the strengths and weakness you identify in IEEE globally, and your ideas about focusing them.

I believe our greatest strength is our members - their technological expertise and breadth, their love for an organization that has served them well, and their willingness to serve it as volunteers. Our reputation for excellence is another important strength. Our greatest weakness is that we are slow to respond to the changing world we live in. We must adapt faster to emerging

technologies, to the changing professional and career needs of our members, and to a world in which technology is a thoroughly global enterprise. Our vision for the future, "Advancing Technology for Humanity," tells our story. We must enable our members to fulfill it.

8. As Elected President, what is the very first thing you would do?

Election as IEEE President-Elect results in a three-year commitment – the first year as President-Elect, the second as President and the third as Past-President. Upon being elected, I intend to begin work immediately. As IEEE President-Elect, my very first priority is to begin setting the conditions to deliver on my campaign platform changes– increasing IEEE’s value, developing an IEEE for the 21st Century and building a more adaptive and innovative IEEE. In this way, during my year as IEEE President, I will have already built the foundation to effectively implement the necessary changes to make these goals a reality – for our members, our profession and the public. In my usual collaborative leadership approach, I will reach-out and build diverse and expert teams to understand the challenges and ultimately address these changes – to further improve our professional society and build a strong foundation for IEEE’s strategic future.

9. As Elected President, what is the long term specific objective that keeps you awake at night?

I worry most about my professional society – IEEE – becoming irrelevant and extinct. IEEE is a very large and complex organization that requires significant effort to change. There are many examples of corporate extinction resulting from disruptive technologies and innovations. Looking for trends and emerging technologies is very important for a technology-oriented organization like IEEE. Wayne Gretzky, the famous hockey player, once said of his success: "I skate to where the puck is going to be, not where it has been." It's about leading the target – being innovative and creative and looking for potential disruptions before they occur.

Innovation is both a technological and a human enterprise: one which IEEE is uniquely positioned to exploit. In order to identify and respond to potentially disruptive innovations, we must promote a culture that encourages innovation and risk taking. IEEE can benefit from the addition of a "skunkworks" or innovation engine that proactively identifies disruptions and innovations. I will foster an environment of collaboration and innovation across the entirety of the IEEE and provide the mechanism to more quickly move into new technical areas, adopt new engagement technologies and modalities and ultimately lead change rather than follow.

10. How would you like to be remembered?

I would like to be remembered as the IEEE President

who: (1) finally created a positive value proposition for practitioners and industry, (2) created a more adaptive and innovative IEEE and (3) strengthened and improved the IEEE and set it on a course for future success.

Irene Pazos, MAR.2014
 ipazos@ieee.org
 IEEE senior member
 NoticIEEEro interview columnist





FRED MINTZER

Candidate for 2015 IEEE President-Elect

Fred Mintzer received a BSEE from Rutgers and a PhD from Princeton. He was employed at IBM's Watson Research Center from 1978 until 2013. Beginning in the mid 1980s, he managed a team that developed new technologies for image-based digital libraries and validated them in projects with museums and libraries that included the Vatican Library, Russia's Hermitage Museum, and the Egyptian Museum in Cairo. These projects won numerous awards. From 2005 until 2013, he was the Program Director for IBM's Blue Gene Watson facility, which included the world's second fastest computer in 2005. He has authored over 25 patents and 50 papers, and was twice named an IBM Research Master Inventor. An IEEE Life Fellow, he has been President of the IEEE Signal Processing Society, Division IX Director, and Vice President of Technical Activities. While VP of TAB, he helped shift TAB's emphasis from its products to inspiring, fostering, and empowering its technical communities – and created new offerings to support them. You can find more at his site: www.fredmintzer.net.

1. There is a difference between an individual contributor and a technical leader, and part of the difference has to do with understanding the value of empowering others to do better things rather than working alone. What caused you to move from individual contributor (practitioner) to technical leader?

I was never satisfied just being a participant in a group that lacked direction and seemed headed for disappointing results; I would step in to help remedy its problems. Others would step in to help me. To move matters forward, I often began by working with the group to form a team vision. I encourage all members to participate and make a point of acknowledging team member's contributions. Team member's feelings of accomplishment encourage them to participate and grow. My past teams' encouragement of me has inspired me to continue and grow in leadership roles.

2. Which is your leading experience that you consider personally most remarkable?

In my professional career with IBM, I led a number of digital library projects with extraordinary museums and libraries that included the National Gallery of Art (USA), the Hermitage Museum, and the Egyptian Museum in

Cairo. I became involved because of their technical needs. Over time, many thousands of people viewed the award-winning content they displayed – enjoying the art, planning visits, learning about history from original sources, and learning about their own cultural heritage. Touching the lives of so many people, even in a small way, is a life-changing experience.

3. How would you motivate IEEE members to envision and embrace leadership values of "Advancing technology for Humanity", so far from engineers education?

I believe many of our members are already motivated to advance technology for humanity. It is part of their inner selves. We do not need to motivate them. What we need to do is to create opportunities for them to participate in humanitarian projects and support them. That support includes creating an ecosystem within which new humanitarian technologies can be developed and deployed. It also includes creating an ecosystem to provide long-term support for these projects. The people benefitting from them depend on them; we can't let them down.

4. Please share with us who they are your heroes and role models, and why or how they guided you.

I have learned important lessons from many mentors – too many to mention. All taught by example. My first manager in industry, a person of great personal integrity, taught me the value of treating everyone with dignity and respect. My PhD thesis advisor, Bede Liu, encouraged his students to have high professional standards, be inclusive, and contribute to society; he was an inspiration to all of his students. John Cocke, an A.M. Turing Award winner, taught me the value of listening to others' ideas.

5. Dealing with big organizations is never easy, so succeeding in accomplishments leaves interesting lessons learned. Please tell us about your happiest experience, and also please tell us the kind of (IEEE) problems you went through.

When I was VP of Technical Activities, I advocated a three-pronged strategy for IEEE Open Access publishing to TAB. This was very controversial, as it had elements that posed real risk to TAB, individual Societies, and the

IEEE. As the motion approached a vote, many spoke passionately against it and it seemed destined to fail. Then, a number of my TAB colleagues rose to support it – even though that seemed a very unpopular position. They used all the arguments they could muster. The motion narrowly passed and is bearing fruit today. I was especially proud to see my colleagues step up, take an unpopular position, and fight for the strategy we had jointly developed. Their courage has been an inspiration to me.

6. Which are the strengths and weakness you identify in R9, and your ideas about focusing them.

Region 9 has an abundance of talent, passion, and young professionals. Furthermore, it has enjoyed very strong leadership that brought it to its current position. But, R9 seems uncertain about what to undertake to move forward. If R9 can identify the right opportunities, and execute them, it could have a truly great future. I think R9 would benefit from having one or more collaborative hands-on projects, within the Region, that would bring its members together. The Smart Cities project, in Guadalajara, could be one such project. A Metro Area Workshop, within the Region, could be another.

7. Which are with us the strengths and weakness you identify in IEEE globally, and your ideas about focusing them.

The IEEE is blessed with many wonderful volunteers and staff. They are skilled, dedicated, and generous in donating their time. But the IEEE often finds it difficult to organize itself into effective teams that tackle the great problems of the day.

Part of the problem is turning a group of people into a functioning team. IEEE groups are often geographically dispersed and have difficulty meeting, communicating, engaging in dialogue and establishing common goals. Being able to better engage in group dialogue is essential to moving forward. I have been a strong supporter of the Professional Productivity and Collaboration tools, in part to increase the effectiveness of our interactions.

Another part of the problem is a lack of focus. I always liked to start with a mission statement for the organizations I managed in industry. Each IEEE organization should ask itself: What is our mission? How will we fulfill it? What should we ignore because it is outside of our mission? If people understand the mission, and its motivations, they are often happy to contribute.

8. As Elected President, what is the very first thing you would do?

I have always considered this a tricky question, as I live in hope that others might begin to pursue the items on

my agenda before I take office. However, I do think promoting our profession is an important and often-neglected task - which will need continued attention for years to come. Engineers, and other tech professionals, are the innovators that solve the world's problems. They create economic growth. Yet, they so seldom hear this message verbalized that they do not know it or feel it. I would remind them, early and often, of the awesome impact that our profession has had.

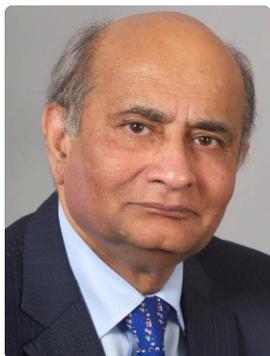
9. As Elected President, what is the long term specific objective that keeps you awake at night?

There are many other organizations now creating new services to attract our members to them. I worry that our members will lose patience with the IEEE because it does not provide enough opportunities for them to pursue their personal and professional goals - and will leave us to form communities elsewhere. It is our members that give the IEEE the power to do awesome things. There is no substitute for them.

10. How would you like to be remembered?

Member interactions within our IEEE communities are at the core of the IEEE. I would like to be remembered as the IEEE President who did much to reinvigorate those interactions and communities – which in turn reinvigorated IEEE service to the communities beyond our walls.

Irene Pazos, MAR.2014
 ipazos@ieee.org
 IEEE senior member
 NoticIEEEro interview columnist



TARIQ S DURRANI

Candidate for 2015 IEEE President-Elect

Tariq Durrani joined Strathclyde as Lecturer (1976); appointed Professor (1982); Department Head (of one of the largest in UK) (1990-1994); Deputy Principal (2000-2006) responsible for university-wide large-scale strategic developments. His research covers Communications, Signal Processing, Technology Management. He has authored 350 publications; conducted collaborative research with industry, partnered in major European research programs; supervised 40 PhDs. He holds Visiting appointments at Princeton, University of Southern California, Stirling in the UK and UESTC Chengdu, China. Tariq has held Directorships in eight organizations including UK National Commission for UNESCO, Glasgow Chamber of Commerce, public and private, national and international. He has served as consultant/advisor to Governments of UK, Netherlands, Portugal, UAE, US and European Union. He is Fellow: IEEE, UK Royal Academy of Engineering, Royal Society of Edinburgh, and IET. Currently Vice President (International) Royal Society of Edinburgh (2012-2014). Queen Elizabeth honored him with the title OBE (Officer of the Order of the British Empire) 'for services to electronics research and higher education' (2003).

1. There is a difference between an individual contributor and a technical leader, and part of the difference has to do with understanding the value of empowering others to do better things rather than working alone. What caused you to move from individual contributor (practitioner) to technical leader?

After several years as an individual researcher, who had collaborated with a number of colleagues, it became obvious that I could carry out more effective research by having a research group of my own, and working with bright young students.

Signal Processing, my field, has been a particularly hot area, which attracts significant numbers of students to carry out their PhDs. In addition there were sources of funding that offered grants on a competitive basis. I was fortunate enough to submit proposals on hot topics that were awarded, and my research group grew from modest size to being one of the largest, and I think most productive in Europe, with support from UK Government, the European Union, US and industry.

It was evident that the problems being addressed in Signal Processing required substantial size of research groups to tackle the many facets. Hence the natural evolution of my work from individual contributor to research leader. The transition was gradual and most enjoyable, as I had been an academic of some standing and was used to tutoring students and guiding their projects.

2. Which is your leading experience that you consider personally most remarkable?

The most enjoyable and remarkable experience for me was my role as Executive Chair for the IEEE Communications Society's flagship conference –ICC-2007, the International Conference on Communications, held in Glasgow, Scotland UK in 2007. The Conference took five years in planning, attracted close to 2000 attendees, from over 70 countries, with over 1000 paper presentations, in some 112 sessions. The Conference was the most successful in the history of the IEEE Communications Society, both from a technical perspective, and from a financial aspect, yielding perhaps the highest surplus for a ComSoc conference.

The leadership aspect was to bring together a team of IEEE volunteers, from diverse backgrounds, who worked together selflessly over a long period of time to deliver a most successful conference, full of innovations and unique aspects, including the first ever live video-streaming of a Plenary session; a Plenary session comprising of the Chief Executive/technology Officers from some of the world's leading communications companies, including Vodafone, Lucent Alcatel, British Telecom, Motorola, and Microsoft (through remote connection), and one of the highest levels of sponsorship.

3. How would you motivate IEEE members to envision and embrace leadership values of "Advancing technology for Humanity", so far from engineers education?

The IEEE's role in Advancing Technology for Humanity is indeed laudable. To engender these values at grassroots, as IEEE Vice President Educational Activities, I had promoted EPICS –Engineering Projects in Community Service –which brings together IEEE volunteers from

Student Branches and Young Professional Groups along with school students to carry out projects of direct relevance and benefit to the local community. EPICS have been very successful and to date over 50 projects have been implemented in 17 countries.

I am a firm believer that the IEEE should establish strategic alliances with global organizations that have a similar mission in the Humanitarian arena as the IEEE. These include UNESCO, World Federation of Engineering Organizations, Engineers for Change.

I was instrumental in the IEEE signing a Memorandum of Understanding with the UNESCO, where opportunities exist in working together on capacity building and support for engineers in Africa. More recently the IEEE will be making a major contribution to the World Conference on Education for Sustainable Development in Japan in November 2014.

Following on from the UN Millennium Development Goals, there is an emphasis on Sustainable Development Goals for the UN from 2015. In this context I presented an address at the World Science Forum in Rio de Janeiro in December 2013 (<http://www.sciforum.hu/>), where I outlined the need for change in the Engineering curricula at universities to include Education for Sustainable Development. Several universities in Europe are including courses reflecting these objectives, which will have a long term impact.

Recently the National Academies of Engineering in the US, UK and China have identified a set of Grand Challenges in Engineering, which, if solved, would lead to immense benefit for humanity. I see the IEEE as playing a major role in resolving the Grand Challenges, through its members, through its educational programs, and in partnership with organizations that have a global footprint, such as those mentioned above, in support of the IEEE vision of 'Advancing Technology for Humanity'.

4. Please share with us who they are your heroes and role models, and why or how they guided you.

I have many heroes and role models, however the person I most admired was Sir Graham Hills, former Principal and Vice Chancellor of the University of Strathclyde, who died very recently. He was incisive, visionary, pleasant, effective, witty, urbane, erudite and charming. He led the University to greatness during a time of contraction and economic turbulence. He brought about major changes that had a long term impact on the University, placing the University on the road to becoming one of the leading technological universities in the UK. (Strathclyde was recognized as "The (best) University of the Year in UK in 2012, and the "Most Entrepreneurial University of the Year 2013").

He encouraged me in my research and international ventures leading to Strathclyde being one of the first universities to participate in European Programs as long

ago as 1983. I was promoted to Professor of Signal Processing in 1982 –the first Chair in the subject in the UK; Department Head in 1990, and Deputy Principal (second to the University Principal) in 2000, with responsibility for major strategic projects across the University including Information Technology; Human Resource Development; Lifelong learning and more.

5. Dealing with big organizations is never easy, so succeeding in accomplishments leaves interesting lessons learned. Please tell us about your happiest experience, and also please tell us the kind of (IEEE) problems you went through.

For me, one of the happiest times were when I was President of the IEEE Signal Processing Society from 1994-1995. Here I established the IEEE Jack Kilby Medal for Signal Processing and the IEEE Signal Processing Letters journal. The Medal has been sponsored by Texas Instruments Ltd, and over the years has been awarded to the pioneers of Signal Processing. Introducing the Signal Processing Letters journal was an interesting experience. It was one of the earliest rapid response publications of the IEEE, and the procedures for establishing new journals were very formal, needing all sorts of marketing information and projections for circulations and more. There had been very few precedents for Letters journal in the IEEE, so such data was not readily available. I was able to convince the IEEE Periodicals Council of the value that such a journal will bring. The rest is history.

The experience convinced me of the need to develop modern ways of assessing the quality and timeliness of IEEE periodicals; and working with the IEEE Technological Activities Board, I introduced the Periodicals Review Committee, which assessed the periodicals of ALL IEEE societies on a five yearly cycle, against set criteria to ensure improvements in governance, editor training, effective reviewing and most importantly on the quality and timeliness of the periodicals. This has led to a significant improvement the time from submission to publication for most IEEE journals.

6. Which are the strengths and weakness you identify in R9, and your ideas about focusing them.

The strengths of IEEE R9 are its effective leadership, its diversity, its cohesiveness, the melding of the cultures, the vibrancy of its volunteers, and the effervescence of its young professionals. I have attended a number of meetings of the IEEE Region 9 Committee and have found these to be most friendly, most well-organized, where the volunteers clearly demonstrated their dedication to the Region and their commitments to the ideals of the IEEE and their aims to deliver activities for the common good of the IEEE members throughout this geographically vast Region. The weaknesses were reflected in the need to retain members, particularly the transition from student member to full member, and the retention and attraction of new volunteers.

7. Which are with us the strengths and weakness you identify in IEEE globally, and your ideas about focusing them.

The strengths of the IEEE is in its members- as the world's largest organization of professional engineers; its volunteers who serve selflessly in making the IEEE as the leader in the profession; its staff who work assiduously to implement the mission and vision of the IEEE and to deliver on day to day operational matters.

The IEEE is a trusted international resource for sharing and advancing knowledge through its excellent Publications and Conferences. It is seen worldwide for setting the pace for technological advances and for maintaining global visibility and adoption of IEEE standards.

I see the need for more provision of resources so that members are able to enhance their skill sets and competencies; and nurturing greater engagement with industry.

The former would be delivered by increased provision of on-line support for learning and training; the latter through closer ties with industry by establishing a Panel of leading Chief Executives and Chief Technology Officers who would advise on strategic issues relevant to the IEEE, and through more practitioner oriented activities, including practitioner driven conferences and events.

I see the need to serve members world-wide through multi-lingual offerings of its products such as its publications, in languages that meet the needs of its members from diverse backgrounds.

8. As Elected President, what is the very first thing you would do?

To provide IEEE members with opportunities to realize their full potential by delivering effective products and services for enhancing their skills base. Thus, the availability of resources for continuing education and professional development in support of lifelong learning will be a high priority – initiatives that I had promoted as IEEE Vice President for Educational Activities.

Related to this will be a closer engagement with industry.

These are in line with the comments I have made in response to Q7.

9. As Elected President, what is the long term specific objective that keeps you awake at night?

It is essential that the IEEE offers a compelling value proposition to its members which acts as an irresistible magnet worldwide that draws professionals, practitioners, academics and students to its fold- though excellent opportunities and services, and ensures that they see the IEEE as a home for life, from a technical

perspective.

10. How would you like to be remembered?

As President who led transformational changes that made a real difference for the members and for society round the world. A President who ensured a truly global IEEE.



How IEEE Volunteers Can Get Connected With Educational Activities -- first in a series

DOUGLAS GORHAM, ED.D., Managing Director, IEEE Educational Activities Department
d.g.gorham@ieee.org

This is the first in a series of articles describing the many ways volunteers can participate in and use the variety of products, programs and services available to IEEE volunteers through the IEEE Educational Activities Board (EAB).

The EAB is one of the six (6) major Boards of IEEE and consists of 16 voting members, 30 related committees involving up to 150 volunteers each year, and a professional staff of 25. Currently, Prof. Saurabh Sinha is the 2014 Vice President, Educational Activities and a member of the IEEE Board of Directors.

EAB's core purpose is: "To be a leader in science, engineering, and technology education, to be a difference-maker in career-long learning for practitioners, to be a global catalyst for innovation, and to foster public understanding and appreciation of technology."

EAB's responsibilities include:

- Broad planning of educational activities of IEEE
- Development and delivery of continuing education products, services and activities
- Development of guidelines for IEEE representatives to accreditation bodies
- Monitoring of accreditation activities
- Coordination of pre-university education programs
- Development and delivery of university education programs
- Representation of IEEE in matters regarding engineering education

Our focus in this issue is University Education and the resources we have available for faculty and students. The emphasis of these resources is to enhance the content and delivery of engineering, computing and technology (ECT) education globally and improve the academic experience for both faculty and students.

Early Career Faculty Development ([click here for details](#))

Early Career Faculty (ECF) face multiple challenges that include becoming effective teachers, conducting research, managing their career path and contributing to the profession. ECF often have limited resources available, either through the university or from external organizations, to meet their professional needs.

The EAB has developed and delivered several ECF resources, both in-person and on-line, to assist ECF to meet these challenges. Our first on-line mini-conference entitled "Launching a Successful Faculty Career" attracted more than 250 participants from 20 countries and 117 institutions. Two more virtual mini-conferences are scheduled in 2014, on 18 September and 14 November.

<http://ieee.vcopious.com/default.aspx?qsf1axb=ZXZlbnRpZD0xMSZsYW5ndWFnZWlkPTE=>

IEEE Academic ([click here for details](#))

University students are looking for resources to help them with difficult concepts, prepare for their exams and succeed in their studies. IEEE Academic features students developing and delivering 5-7 minute video presentations summarizing the key concepts from an actual class. This is done in multiple languages and is an educational resource for students to assist them with difficult course concepts from classes at their educational institution.

More than 300 videos have been developed to date, with participation from 19 IEEE student branches in 4 Regions.

Please click on <http://academic.ieee.org/> to learn more about program and to access the resource library. If you are interested in joining the IEEE Academic Team and developing resources for your university, please send an email to academic.edu@ieee.org.

IBM-IEEE Smarter Planet Challenge Competition
 (click here for details)

The IBM-IEEE Smarter Planet Challenge (SPC) is a competition that solicits creative, team based student projects designed to help students at all levels apply engineering, science and other disciplines to solve real-world problems aligned to IBM's Smarter Planet Challenge Initiative. The SPC is designed to engage students in educational activities that fosters the development of professional skills and improves the student experience. A minimum of 3 students comprise a team, only one of which need be a member of IEEE.

In 2013, the SPC received 126 entries, from 29 countries, with more than 500 student participants. 5 projects were awarded prizes. First prize was worth \$5,000 USD.

2014 submission deadline is 1 October 2014.

www.ieee.org/education_careers/education/university_programs/smarterplanetchallenge.html

Advanced Learning Workshop (ALW)
 (click here for details)

ALW is designed to provide students with a "self-contained" kit containing student learning content modules that that can be delivered by students. The "self-contained" kit offers learning modules focused on content to enable students to improve their learning skills and enhance their ability to achieve a successful academic experience.

The ALW kit is designed to enable IEEE student members to deliver this educational content to students at their universities

The six learning modules, as identified by students include:

- Managing Time
- Managing Stress
- Developing Effective Study Habits
- Developing Effective Communication Skills
- Preparing for Exams
- Coping with a difficult class/professor

For more information on these and other university education activities please contact Burt Dicht, Director, University Programs, at b.dicht@ieee.org.

Next in the series: Pre-University Education.





SEMINARIO POWER QUALITY, DEL PROGRAMA DE CONFERENCISTAS DISTINGUIDOS DE LA SOCIEDAD DE POTENCIA Y ENERGIA

MAYRA ELIZABETH MÉNDEZ - Presidente de Sección - IEEE Sección El Salvador
m.e.mendez@ieee.org

En la ciudad de San Salvador, los días 26 y 27 de junio se llevó a cabo el seminario de dos días "POWER QUALITY" dictado por el Dr. Juan Carlos Gómez Targarona, de Argentina.

La conferencia forma parte del Programa de Conferencistas Distinguidos de la Sociedad de Potencia y Energía y fue organizada en el Capítulo de la Sociedad por su Director Ing. Armando Moisa, de IEEE Sección El Salvador.



Foto de la asistencia al evento



Dr. JC Gómez impartiendo seminario

La asistencia fue de 35 participantes ingenieros y técnicos de las diferentes áreas productivas del país, instituciones de gobierno y el sector académico

El Conferencista fue evaluado como Excelente por el dominio del tema y su capacidad didáctica.

A satellite-style map of Latin America and the Caribbean, showing the continent in shades of green and brown, surrounded by the blue oceans. The map is oriented vertically, with the top of the continent at the top of the page.

Chairs of Sections in Region 9 |

Presidentes de Secciones en la Región 9

Aguascalientes	Luis E. Arambula
Argentina	Maria D Lopez De Luise
Bahia	Rafael Araujo
Bolivia	Alejandra Salinas Porcel
Centro Occidente	Jaime Cerda
Centro Norte Brasil	Rafael A Shayani
Chile	Roger M Mellado-Zapata
Colombia	Yezid E Donoso
Costa Rica	German Moya
Ecuador	Alberto Sanchez
El Salvador	Mayra Méndez
Guadalajara	Ruben Barrera-Michel
Guanajuato	René Jaime Rivas
Guatemala	Juan D Alvarado
Honduras	Dennis A Rivera
Mexico	Juan Bautista
Minas Gerais	Joao A Passos Filho
Monterrey	César Vargas Rosales
Morelos	Rafael Castellanos-Bustamante
Nicaragua	Bayardo J Galan Ocampo
Panama	Yínnis Anette Solis de Amaya
Paraguay	Ever Cabrera
Peru	Maria A Chiok-Guerra
Puebla	Patricia González Velázquez
Puerto Rico y Caribe	Ralph A Kreil
Queretaro	Efren Gorrostieta
Rio de Janeiro	Luiz Felipe Willcox de Souza
South Brasil	Edson S Gomi
Trinidad y Tobago	Sanjay G Bahadoorsingh
Uruguay	Irene P Viana
Venezuela	Mayerli Biscardi
Veracruz	Gonzalo Ortíz
Western Puerto Rico	Rogelio Palomera-Garcia



NAYARA KOBORI
Press Officer – Young
Professionals South Brazil



RAFAEL MATSUYAMA
YP Chairman
IEEE South Brazil Section

The Importance of a Communicator in STEP Events

The organization was motivated to obtain extraordinary results from the event. After all, an event well planned and done not only promotes the IEEE name, but also provides a unique experience to the enrolled people. This year, UNESP Bauru Student Branch and Young Professionals South Brazil held the Student Transition and Elevation Partnership (STEP) event for the first time in the city of Bauru, with an interesting differential on the organization team: the presence of a communicator.

“In many events and projects that I organized, the communication role was done by engineering students or professionals with some practical experience in communication, but not being a specialist in the area”, says Vinicius Carraschi, the Student Branch Treasurer.

Due to the undergraduate courses in the communication area at Unesp Bauru (like Journalism, Public Relations and Radio Studies), the Student Branch decided to create the press officer role with Nayara Kobori, a journalism student. The goal was to publicize the event beyond the university itself, including all undergraduate students in the city, consisting of approximately 18,960 students according to the local census bureau DATA ITE. The press officer role consisted in promoting the event and also the Student Branch brand.

“Having someone outside the engineering area expanded our horizons in some aspects of doing an event, like the need for a media planning to publicize and promote the event, the timing for some advertising initiatives, how to target different groups of people, how to take care of the Student Branch brand in the event for the partners and sponsors, among other things”, Vinicius says.

The presence of the communicator also helped the IEEE members to have experiences with people from other areas, a similar context is found when working in the private sector. Despite being the first STEP event held in Bauru, there was an enrollment of students from Administration, Public Relations and Biology courses, and demonstrated the importance of volunteers from other undergraduate courses in the team.



The Press Officer role was to do the social media planning to promote the event and also doing the coverage of the STEP event. Credits: Lucas Judocka.



The presence of a communicator brought new experiences, a multidisciplinary context and a professional mindset to the organization, aligned to the STEP objectives.



Semblanza de nuestro Estimado Amigo Oscar Penny de Sección Perú

Fue un 02 (dos) de marzo de 1950 que nació Oscar Juan Jesús Penny Cabrera, a quien siempre llamamos Oscar Penny, casado con la Sra. Patricia Sarmiento Oviedo, y padre orgulloso de sus dos hijos Oscar Penny Sarmiento y Luciana Isolina Penny Sarmiento.

Hizo carrera en la Marina del Perú, donde llegó a alcanzar el alto grado de Contralmirante. Así, inició sus estudios en la Escuela Naval del Perú (1968-1969). Fue becado para estudiar en la Accademia Navale di Livorno (1969– 1973), Italia, donde logró el título de Ingeniero de Sistema de Armas. Continuó sus estudios doctorales en la Universidad de Pisa, Italia (1973– 1976), una de las universidades de mayor renombre de Italia, con sede en Pisa, Toscana, obteniendo el Lauro de Doctor Ingeniero Electrónico, al realizar la Investigación Científica sobre Filtros Digitales de Radares MTI. Al regresar al Perú, la Universidad Nacional de Ingeniería reconoció sus estudios, por ello, fue Miembro del Colegio de Ingenieros del Perú (CIP 58966). Hizo estudios en la Escuela de Comando y Estado Mayor de la Marina y en la Escuela Superior de Guerra Naval, logrando su grado de Contralmirante. Obtuvo el Diploma de especialización en Relaciones Internacionales de la Pontificia Universidad Católica del Perú.

Por su alto profesionalismo y especialización, tuvo una gran experiencia profesional en la Marina, en desarrollo de proyectos y en cargos, algunos de los cuales, fueron: Director Ejecutivo de los Servicios Industriales de la Marina (SIMA-PERU), Director Ejecutivo del Centro Médico Naval, Director General de Personal de la Marina de Guerra del Perú, Director General de Logística del Ministerio Público de la Defensa, Agregado de Defensa del Perú en el Reino Unido y Representante del Perú ante la Organización Marítima Mundial (OMI) y ante la Organización Internacional de Satélites Móviles (IMSO) en Londres.

Su gran pasión por la Historia, lo llevó a ser Miembro de Número del Instituto de Estudios Histórico-Marítimos del Perú, donde fue Presidente de la Comisión de Estudios Estratégico-Marítimos y parte del Consejo Directivo de dicho instituto durante los años 2008 y 2011.

Miembro activo del Instituto de Ingenieros Eléctricos y Electrónicos (IEEE) con el rango de "Senior Member". Miembro de 8 capítulos profesionales de IEEE:

Aerospace and Electronic Systems, Communications, Control Systems, Education, Engineering in Medicine and Biology, Oceanic Engineering, Robotics and Automation, Signal Processing. Fue Presidente de Sección Perú del IEEE durante el periodo 2011-2012.

Miembro de la Asamblea del Instituto de Calidad y Acreditación de Programas de Computación, Ingeniería y Tecnología (ICACIT) durante los años 2011 y 2012.

Se desempeñó como Docente en la Escuela de Calificación de Oficiales de Marina, en la Escuela Superior de Guerra, en ESAN, en INICTEL. Se desempeñaba como Director de la Escuela Ing. Electrónica de la Universidad Ricardo Palma (abril 2008-2014) donde fue Responsable del proceso de Acreditación Internacional de la Escuela de Ingeniería Electrónica, ante el "Accreditation Board of Engineering and Technology" (ABET) de los Estados Unidos de Norte América y ante el Instituto de Calidad y Acreditación de Programas de Computación, Ingeniería y Tecnología (ICACIT) durante los años 2011 y 2012.

Fue un gran hombre, docente, maestro, investigador, querido y admirado por sus Colegas y por sus estudiantes. Tuve la suerte de conocerlo y de que me considere su amiga. Descanse en paz.

Julio, 2014.

Maria Chiok Guerra
Presidenta de Sección Perú 2013-2014

Visita Técnica a planta de gas natural EcoEléctrica

RALPH A. KREIL RIVERA, IEEE PR & C Section Chair
rkreil@eesinc92.com

San Juan-Comprometidos con el desarrollo energético, la Sección de Puerto Rico y Caribe del IEEE, realizó el pasado 7 de junio una visita técnica a las facilidades de la planta de EcoEléctrica, en el municipio de Peñuelas, con el fin de analizar el impacto del gas natural licuado en la cogeneración de energía, como una alternativa de alta eficiencia.

La visita técnica, organizada por el IEEE PR&C y acreditada con 3 horas contacto, dio inicio con una presentación sobre EcoEléctrica, sus productos y servicios energéticos cónsonos con la conservación del medio ambiente y orientación, que estuvo a cargo del Ing. Carlos Reyes, Gerente General de Operaciones. Posteriormente, los asistentes recibieron una charla sobre Seguridad, por el Sr. Luis Cruz, Supervisor de Turno.

De continuidad con el programa, los profesionales y estudiantes asistentes, participaron de un recorrido guiado con el Ing. Wilbert de La Paz, Gerente de Servicio Técnicos. Del mismo modo, figuraron como recursos, el Sr. Rodolfo Antompietri, Gerente de Operaciones y los Supervisores de Turno

Entre los tópicos de interés de la visita, sobresalió el trasfondo y descripción de la planta, ésta como una infraestructura cogeneradora de electricidad de ciclo combinado de 525 megavatios que incluye dos turbinas de gas, una de vapor y la utilización de gas natural licuado (GNL) como combustible. Como otro aspecto importante, su posición como primer y único terminal en Puerto Rico, para la importación de GNL, con capacidad de almacenaje existente de 1 millón de barriles.

La planta, cuya operación comercial inició para el año 2000, contó con una inversión total del proyecto de aproximadamente \$700 millones y el financiamiento de un consorcio integrado por 26 bancos internacionales. Sus socios inversionistas incluyen a Gas Natural de España, International Power de Inglaterra y Mitsui de Japón.

En términos de beneficios ambientales, se destaca por ser una de las plantas de gas natural más limpias del mundo, con estrictas políticas, procedimientos y tecnología avanzada. En la actualidad, el gas natural constituye el combustible fósil más limpio utilizado a nivel mundial, contribuyendo a la reducción en las

emisiones, en comparación a las plantas que utilizan petróleo y sus derivados. Produce 2 millones de galones de agua diario, donde 50% es para consumo interno y 50% a ser utilizado por la AEE, aliviando el sistema de la AAA para esa región.

EcoEléctrica, empresa proveedora de productos energéticos seguros y eco amigables, ha sido merecedora de importantes reconocimientos tales como, "Mejor Proyecto de Ingeniería Mecánica" y "Mejor Proyecto de Ingeniería Eléctrica", ambos del Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR). También, figura el premio "Excelencia Ambiental", categoría Liderazgo Ambiental de la Asociación de Industriales de Puerto Rico (AIPR), entre otros.

EcoEléctrica recibió recientemente las certificaciones ISO 14001 (International Organization for Standardization) y OHSAS 18001 (Occupational Health and Safety Management System). La primera promueve el desarrollo e implementación voluntaria de estándares internacionales para productos particulares y el manejo de asuntos ambientales. La segunda establece sistemas gerenciales de las operaciones para eliminar o minimizar riesgos a sus empleados.

Para mayor información sobre las actividades, charlas técnicas y Programa de Membresía de la Sección Puerto Rico & Caribe de la IEEE, acceder a la página oficial <http://sites.ieee.org/prc>.

Seminario sobre Descarga de Arco: Protección y Cómputos de Zonas de Seguridad

RALPH A. KREIL RIVERA, IEEE PR & C Section Chair
rkreil@eesinc92.com

San Juan-La Sección de Puerto Rico y Caribe de la IEEE, ofreció el pasado 29 de mayo, el seminario Descarga de Arco: Protección y Cómputos de Zonas de Seguridad en el Salón Esteban Terrats, en la sede institucional del Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR).

El seminario Descarga de Arco: Protección y Cómputos de Zonas de Seguridad, co-auspiciado por el Instituto de Ingenieros Electricistas (IIE) y el Capítulo de San Juan del CIAPR, contó con la destaca participación del ingeniero Frank N. Rivera como conferenciante invitado, así como la asistencia de estudiantes y miembros del IEEE, al igual que con colegiados del CIAPR.

La actividad técnica, organizada por la Sección de Puerto Rico y Caribe de la IEEE, tuvo como propósito el proveer conceptos básicos e información esencial actualizada para la implementación y desarrollo de técnicas adecuadas para la mitigación de riesgos de arcos eléctricos en operaciones en servicio.

Parte del seminario, se trabajó en profundizar sobre los métodos matemáticos requeridos para así determinar los niveles de energía disponible y los riesgos envueltos. Del mismo modo, precisar el nivel de protección personal y establecer las medidas que permitan corregir posibles situaciones de peligro en el sistema.

El seminario Descarga de Arco: Protección y Cómputos de Zonas de Seguridad, contó con la acreditación de 4 horas contacto del Departamento de Desarrollo Profesional y Educación Continua del CIAPR. Para mayor información sobre las actividades, charlas técnicas y Programa de Membresía de la Sección Puerto Rico & Caribe de la IEEE, acceder a la página oficial <http://sites.ieee.org/prc>.

IEEE SIGHT

The Special Interest Group on Humanitarian Technology program serves to promote the mission of IEEE regarding humanitarian technology activities.

Purpose:

Building on the IEEE theme of Advancing Technology for Humanity, the Special Interest Group on Humanitarian Technology will promote activities which use appropriate and sustainable technologies to benefit the vulnerable and underserved sections of humanity.

Application:

Interested in forming a SIGHT group?

Complete the petition and submit the application materials to the SIGHT Steering Committee for review via:

IEEE SIGHT Steering Committee
 445 Hoes Lane
 Piscataway, NJ 08854-4141
 USA

E-mail: h.s.brown@ieee.org
Fax: +1 732 463 3657

For More Information:

Go to <http://bit.ly/11kykeY>



How a Photo Can Make Engage Volunteers

LUCKAS A. FARIAS - Photographer - Young Professionals South Brazil - MSc Student - University of Sao Paulo
lucas.ieee@gmail.com

In this article we will show some tips that have importance to marketing, not just only before the event, but when it is happening and after it happened. A case, with the effects in social media will be presented, including photos of Section Student Branch Meeting that happened in the city of Bauru in May 31.

After this meeting, we observed the reaction of people (involved or not with the event) with the shared pictures. The persons there in begins of event does not liked to see someone take pictures of they (but this is normal in events), in time of event some of photos was posted in facebook and they see the comments and the likes of friends (not only friends that is part of IEEE, but a lot of others). With this "social impulse" each time more they not cared about someone taking pictures, and in the end some of they really like to appear ins this pictures.

We noticed the following pattern while the meeting was happening, when a picture of a person was shared in Facebook, there was a wave of likes to theses pictures, by friends who weren't in the meeting in special, and the comments showed a great engagement and curiosity to know what was happening (in case of IEEE members). This has a big effect in the Student Branches and motivated most of the student members to foresee more options to projects and to actions that they could do, so the effects of these publications was awesome.

To estimate the impact of these photos see the Facebook analytics in Picture 1 that was measured in the author's / photographer's fan page. The "Reunião de Ramos" had almost 10.000 clicks and 123 likes in the album. At same time, the "Confraternização Ramos Bauru" album that does have photos of the informal party that happens after the event, had more than 5.000 clicks and 88 likes, so we can confirm that the event have more engagement of the Facebook public in general than the after-event.

Publicado	Publicação	Tipo	Direcionamento	Alcance	Envolvimento	Promover
4/6/2014 23:05	Confraternização Ramos Bauru			302	5,2K 88	Impulsionar publicação
4/6/2014 21:48	Fotos estrelas e chacara - Bauru			28	574 8	Impulsionar publicação
4/6/2014 21:35	Reunião de Ramos 31/05 e 01/06 - Bauru #YP #YPSulBrasil			155	9,9K 123	Impulsionar publicação
26/5/2014 23:26	Fotos do STEP (Student Transition & Elevation Partnership) 23/05/2014			201	4,4K 96	Impulsionar publicação

Picture 1: Index of photos in photographer's fan page, showing the impact of each album of the event.

The author had a talk with some people who attended the event, getting a very good and positive feedback, mainly because of the ideas and energy that the volunteers from each one of 11 Student Branches brought to the meeting. Obviously it could not be attributed due to the photos only, but we can say that the photos had some influence in it.



Picture 2: Photo of students (and members YP) that participated in the Section Student Branch Meeting.

To conclude this article, we would like to show the student members who attended the event in Picture 2.

So, we hope that this can demonstrate to you the importance of the marketing and the impact that a good photo (and a good much of likes) can make volunteers more active and engaged, knowing better what each one can do and what others have done. We advise that every event should have a person responsible for photographer role, publishing it (making use of the social media tools) and making the event known to the public and other IEEE members.

sites.ieee.org/r9/publicaciones-2/noticieero/



VINICIUS CARRASCHI
Treasurer of IEEE SB
UNESP Bauru



JU IN JEON
Chair of IEEE SB
UNESP Bauru

Stepping UP Your Career

On May 24, the Bauru IEEE Student Branch, along with the Young Professionals Division of the IEEE South Brazil Section held the first edition of the Student Transition and Elevation Partnership – STEP, a program that aims to prepare students for the job market, presenting, with lectures and workshops, the major themes of the professional world, regardless of profession or career, such as Leadership, Time Management and Personal Marketing.

The activity was held at the premises of the Bauru campus of the São Paulo State University, with 50 participants, awesome number, considering that it is the first time that such event is organized in the region and, for this reason, without earlier recognition and tradition. The public response was very positive, so it is expected for the next editions to be held by the Student Branch, alongside other cases of what happened in STEPs performed at other Student Branches placed on IEEE South Brazil Section.

This STEP were conducted by Rafael Matsuyama, Gilson Doi and César Crivelaro, all members of the Young Professionals Division, also with the participation Quézia Valezi, specialist in Human Resources, who attended the event at the invitation of YP.

The lecturers demonstrated dynamism and a good sense of humor in their presentations, reaching indeed participants. The closing lecture on Personal Marketing, applied by César Crivelaro, managed to motivate and engage the public and hold their attention, even after they have participated in almost eight consecutive hours of activities. César, as well as the other lecturers, was greatly praised by those present, even arousing interest in bringing representatives of Young Professionals to participate in other university events such as traditional Engineering Week, which going to the eighteen edition and brings big names of professional universe to Bauru, to share with the students some of their knowledge and experiences.

In the evaluation questionnaire sent to the participants, one of them wrote: "(...) the projects of the University have a huge potential for growth, STEP is no different. Congratulations to the Student Branch for daring to

perform the first STEP in Bauru. Improvements will be a natural process from now."

The event, which also dealt with issues such Internships, Graduation, Personal Investments and Presentation Techniques. For the next editions of STEP developed by the Young Professionals of the South Brazil Section, to be implemented in the second semester, there will be changes both in the general structure of activities, as the themes developed in it are planned to happen.



Rafael Matsuyama, Chairman of Young Professionals South Brazil, performing the STEP opening lecture.



The presence of a communicator brought new experiences, a multidisciplinary context and a professional mindset to the organization, aligned to the STEP objectives.



IEEE RAS Student Chapter Chair
– SB University of Brasília
Co-Founder/CEO – Overdrive
Electronics
george@overdriveeletronica.com.br



Undergraduate Student –
Mechatronics Engineering –
University of Brasília
franciscogomes202@gmail.com

Entrepreneurial Meetup for Change

Fostering an entrepreneurial culture in Brazilian universities is a complicated matter. Given the current state of education in Brazil, which focuses on preparing students for university admission tests, it is no surprise that students do not feel stimulated to start their own venture. Instead, most see university education as a means to obtaining a degree and either work for the government or multinational enterprises spread around the country. We want to change that!

Driven by the desire to develop their own ventures and chase the future they dream about, a group of students from the University of Brasília sat together on the evening of July 9, 2014 to discuss their ideas, learn more about the startup ecosystem in Brazil and share their experiences regarding entrepreneurship. Led by a group of recent graduates in engineering and supported by IEEE Young Professionals Centro-Norte Brasil, 25 students went to a bar in order to get their questions answered and listen to the experience their colleagues had had during the creation of their own company, Overdrive Eletrônica, and getting accepted in the Startup Brasil acceleration program.

The idea behind having this meetup in a bar was to keep the ambience as informal as possible, in order to help the students dive deeper into the discussion with the speaker. In such an environment, people felt more comfortable asking questions and showing their own ideas, as opposed to what would traditionally happen, had this meeting been held in an auditorium.

During the event, students asked questions such as "How can I start my own company without having a lot of money to invest?", "What were the difficulties you had in the beginning?", "Where can I find more information about registering my company?" and "How does Startup Brasil work?". Everyone pitched in with what they knew from their experience and took their time to explain and answer questions, adding to the collaborative spirit and the success of the event.

This meeting was very inspirational to all participants, bringing to surface a common desire to disseminate this

information and make entrepreneurial culture grow in universities. We believe this could help students realize universities are worth more than the diploma they get, providing an environment where they can develop their own ideas and get support for their own growth, ultimately helping create a better world for everyone. That is why IEEE Young Professionals Centro-Norte Brasil is working with the organizers of the event to turn this into a larger event, so that more students learn they can fuel their ideas and fight for what they believe is a better world.

Trigésimo cuarto Congreso de Centroamérica y Panamá CONCAPAN XXXIV

DIANA VERA SANTANA - Comité de Marketing CONCAPAN XXXIV - IEEE Sección Panamá
diana.vera@ieee.org

El Instituto de Ingenieros Eléctricos y Electrónicos, IEEE Panamá le invita a participar del trigésimo cuarto congreso de Centroamérica y Panamá CONCAPAN XXXIV Panamá 2014, el evento tecnológico más grande e importante del área.

Que bajo el lema "Contribuyendo con la Innovación Tecnológica", tendrá lugar en la ciudad de Panamá, los días 12, 13 y 14 de noviembre del 2014, en el Hotel Riu Plaza Panamá, situado en el corazón de la zona comercial más excitante e importante de la capital panameña.

La convención reúne anualmente a más de 600 distinguidos profesionales, expositores y miembros voluntarios del IEEE a nivel nacional e internacional con el fin de establecer relaciones profesionales y de negocios con una amplia red de contactos.

CONCAPAN XXXIV Panamá 2014 le da la oportunidad a sus asistentes de conocer los avances y resultados de las investigaciones que se adelantan en la región y en el resto del mundo, con más de noventa conferencias técnicas de alto nivel, a cargo de expertos internacionales en las áreas de:

- Sistemas de comunicación
- Electrónica
- Sistemas de potencia y energía
- Computación y áreas afines
- Sistemas de control
- Biomédica
- Aplicaciones industriales
- ¡Y muchas más!

El llamado a presentar ponencias ya está abierto. Fechas importantes:

- Inicio de recepción de artículos: 1 de enero de 2014
- Límite de entrega de artículos: 1 de julio de 2014
- Notificación de aceptación: 1 de septiembre de 2014

Ya se encuentran abiertas las inscripciones a la CONCAPAN XXXIV Panamá 2014, mayor información la podrá encontrar en nuestro sitio web:

www.ieee.org/concapan2014.

Costos de la convención:

Categoría	30 de enero de 2014 a 31 de agosto de 2014	Desde el 1 de septiembre de 2014
No miembro	\$240	\$270
Miembro IEEE	\$155	\$180
Conferencista IEEE	\$135	\$160
Conferencista No IEEE	\$175	\$205
Estudiante IEEE	\$75	\$100
Estudiante no miembro	\$110	\$140

En CONCAPAN XXXIV Panamá 2014 usted podrá aprender la aplicación práctica de los últimos avances en los campos de: energía, comunicación, potencia y cómputo, participando en los tutoriales, presentados por los principales desarrolladores de tecnologías de última generación.

CONCAPAN XXXIV Panamá 2014 presenta el Foro: Diversificación de la Matriz Energética en Centroamérica, un espacio dedicado a analizar la importancia que representa para la región Centroamericana, la necesidad de diversificar las fuentes energéticas existentes.

Con 1,340 metros cuadrados y más de 100 stands la exhibición técnica de CONCAPAN XXXIV Panamá 2014 albergarán las principales marcas y empresas, que presentarán ante un público conocedor los equipos y bienes, que superarán las más altas y exigentes expectativas, convirtiendo este evento una excelente oportunidad para realizar negocios y establecer contactos comerciales.

Participar de CONCAPAN 2014 en ciudad de Panamá, también le brindará la oportunidad única de ser testigo de grandes obras de la ingeniería de la región, en pleno desarrollo como lo son: la línea uno del metro de Panamá y la ampliación del Canal de Panamá, esta última galardonada con el reconocimiento Milestone IEEE.

Con uno de los mejores crecimientos económico del área, la ciudad de Panamá abre sus puertas a todo visitante que busque, en una ambiente seguro, la mejor diversión y entretenimiento, sin olvidar la oportunidad de realizar excelentes compras.

El Hotel Riu Plaza Panamá tiene una tarifa especial para los asistentes a la Convención. El costo por habitación por noche es de \$109.00 con impuestos incluidos. Más información sobre hotel y como registrarse en línea la podrá encontrar en nuestro sitio web: www.ieee.org/concapan2014.

IEEE Sección Panamá, representación local del IEEE en Panamá fundada hace más de 40 años y que actualmente agrupa a más de 400 miembros entre profesionales y estudiantes.

La organización de esta convención se rota cada año en los 6 países que conforman el Consejo de Centro América y Panamá CAPANA y en el 2014 a IEEE Sección Panamá le ha tocado ser la sede.

Panamá: donde el mundo se encuentra, les espera en CONCAPAN XXXIV Panamá 2014, el evento tecnológico e ingenieril más grande e importante de la región, que en su trigésima cuarta versión, les invita a ser testigos del Centenario del Canal de Panamá y su proceso de ampliación.

Ciudad de Panamá 12, 13 y 14 de noviembre 2014.

CONCAPAN, 34 años contribuyendo con la innovación tecnológica

Descripción:

IEEE CIS Argentina, convoca a jóvenes estudiantes y profesionales de latinoamérica interesados en:

- sistemas bioinspirados
- soft computing
- inteligencia artificial
- inteligencia computacional
- Videojuegos y áreas relacionadas

El IEEE, ha organizado este campeonato desde hace 12 años, como mecanismo de estimulación de los jóvenes a trabajar e investigar en el área de Inteligencia Computacional (Inteligencia Artificial sumada a algoritmos más actuales).

Bianualmente los científicos y estudiantes de todas las ingenierías envían papers de investigación de diferentes países (desde México al sur) y los presentan en las jornadas.

Este año la participación es virtual. La idea es incluir videojuegos dentro del evento (que no es local sino regional en Latinoamérica) es justamente el reconocimiento y apoyo al sector como parte de las ingenierías.

Lugar:

Universidad Abierta Interamericana UAI

Comité Organizador:

CI2S Lab - GAMESTER
IEEE CIS (Argentina) - UAI

Información:

CI2S Lab
15-4427-5130
daniela_idl@ieee.org



Fechas:

Lanzamiento: 8 de Agosto De 2014
Bases del Track I.Computacional: 8 Agosto/14
Bases del Code-TRIC: 24 Agosto / 14
Evento Track I. Computacional: 21- 22 Nov/14
-Evento Track MIDA-maker: 22- 23 Nov /14
-Evento Track Code-TRIC: 22- 23 Nov /14
-Evento Track EXPO-VJ: 22- 23 Nov /14
-Entrega de premios y notificación ganadores: 23 nov /14

Premios:

Para los cuatro tracks:
1er. puesto: medalla // 2º: diploma // 3º: publicación digital online en la página web:
<http://sites.ieee.org/argentina-cis/actividades/tric-vi-edicion-2014/>
**Code-TRIC:
el mejor proyecto podrá ser incluido en CI2S Lab

PROMOCIONES:

- IRROMPIBLES: Entrevista y publicación del evento
- Sitio Web MIDA, IEEE CIS (<http://sites.ieee.org/argentina-cis/actividades/>) y CI2S Lab (<http://www.ci2s.com.ar/news>)
- Noticieero Región 9 del IEEE: martes 5 de agosto (promoción de evento).
- fan page de MIDA: desde el 1 de agosto.
<https://www.facebook.com/pages/Proyecto-MIDA/1446510768949200?fref=ts>
- Noticiero IEEE ramas estudiantiles: 4 de agosto (promoción).

Inscripciones:

- TRACK Inteligencia Computacional
IEEE socio : \$100
no socio: \$150
 - TRACK MIDA-maker
IEEE socio: \$50
no socio: \$70
 - TRACK Code-TRIC
IEEE socio: \$0
no socio: \$0
 - TRACK EXPO-VJ
IEEE socio: \$50
no socio: \$70
- TARIFA PARA EXTRANJEROS: 20 USD

Publicación:

- Los papers del track IC se publican bajo logo de IEEE CIS Argentina y CI2S Lab en la web de IEEE CIS
- el ganador de las otras categorías se publicará también en la WEB

Evento especial:

- Disertación 1 (40'). Tema: "SIGHT, ingeniería y videojuegos con implicaciones sociales" (uso de VJ en enfermedades crónicas y terapias de tratamiento autismo, afasias, etc., qué es IEEE SIGHT, qué es BIOTECH/ARA/HOLOTECH)
- Disertación 2 (20'). Tema: "mujeres en videojuegos". (participación y figuración de mujeres en videojuegos. La imagen de la mujer).

Auspiciantes:





DANIEL GERARDINO BOQUÍN REYES – YP Coordinator
daniel_boquin@yahoo.com

IEEE Young Professionals, Honduras Section

1) About you, where do you live and about your profession and your IEEE history.

Hello, I live in Tegucigalpa, Honduras, right in the middle of America. I'm Electrical Engineer, I am working as a contractor and executing design and construction of electrical distribution systems for residential, commercial, industrial and hospital facilities.

Currently I hold the position of First Deputy Administrator of the Mutual Aid Fund (Junta Administradora del Fondo de Auxilio Mutuo) of CIMEQH, Schools of Mechanical, Electrical and Chemical Board of Honduras, (Colegio de Ingenieros Mecánicos, Electricistas y Químicos de Honduras). This board administers benefits for members of this professional association.

For IEEE I worked for 15 years holding various important positions as a member of this group and I mention below:

- Volunteer IEEE Student Branch of the National Autonomous University of Honduras (2000-2004).
- Vice President of IEEE Student Branch of the National Autonomous University of Honduras (2005-2006).
- Coordinator of Student Activities Committee, SAC, IEEE Section Honduras (2009-2010).
- Coordinator GOLD Affinity Group, IEEE Section Honduras (2012-2013).
- GOLD Coordinator for CAPANA Council (2013).
- Vice President of the Society for Industrial Applications, IAS, IEEE Section Honduras (2013).
- Vice President of the Power and Energy Society, PES, IEEE Section Honduras (2014).

2) Tell us about your Young Professional Group and Section (Members, Geography)

I want to tell about working with the team who started the GOLD project. They, my friends, decided to form a

group that could follow the IEEE activities that have so enriched our curriculum. Engineers Raúl Castellanos, Gina Houghton, Carlos Morales, Melina Irías, Leonel Cubas, Roberto Irías, Federico Rivera and Adolfo Sierra and others started this way and organize a team, planning training activities in order to take advantage of them and share them with others colleagues. In this way we have worked for a period of nearly four years continuously.

Over the years most of my professional colleagues have evolved to the point that some of them have migrated to other nations to continue their training, have been hired by other reputable companies in Honduras to lead projects throughout the country. Now my work is focused on finding new members to the team Young Professionals to take the leadership of this group. The basis for the IEEE membership recruitment focuses on the largest universities in Tegucigalpa, Universidad Nacional Autónoma de Honduras (UNAH), Universidad Tecnológica de Honduras (UTH) and Universidad Tecnológica Centroamericana (UNITEC).

3) What activities have you planned for this and next year?

Among the activities planned for the year 2014 are organizing a couple of events STEP, the first one with young people graduating from the universities mentioned above and the second one with recent graduates with little or no participation in IEEE to motivate them to continue or join the IEEE membership. These events are invited distinguished members of the Professional Section of the IEEE and share all our experiences during the event and a speaker that exposes an issue of significant importance in our country brings, this gives the STEP a touch of professionalism.

During the year we organize around four technical conferences, a seminar themed professional attitude and at least once a year we engage in some social projection, supporting a low-income community with input from the development of an electrical design free that benefits them.

4) What challenges do you have in your YP group section?

The only change is perceived at the moment is that now becomes wider range of recruiting members who can apply to the Young Professional, before it was restricted to ten years of graduation as it was in the GOLD group.

I believe that the professional section of Honduras is providing greater support for affinity groups and in particular the IEEE Young Professionals.

5) A message for the members of your section

I want to thank to the members of the IEEE Young Professional for their contribution to support the group and invite you to continue being part of the IEEE family besides being a meeting place for professionals is a place to share with friends. With IEEE we can get a better performance of our professional side, we engage in charitable activities and somehow contribute to the development of our country that need it.



Honduras YP Team

Proyectos de Investigación **IEEE** Research



Proyecto Spondylus

IEEE Sección Ecuador e IEEE Sección Perú los invitan a participar del proyecto de intercambio estudiantil entre estudiantes de Ingeniería de la Universidad Técnica Particular de Loja, Ecuador y la Universidad Ricardo Palma, Perú. Participar del proyecto te permitirá:

- Recibir ayuda económica para cubrir gastos del intercambio.
- Participar de proyectos reales de investigación.
- Compartir experiencias, conocimiento y cultura por 6 semanas.
- Incrementar la red de contactos profesionales.
- Recibir asesoría de distinguidos profesionales.
- Y mucho más!

¡Anímate a darle un valor agregado a tu carrera profesional. Conocerás y compartirás experiencias y conocimiento con estudiantes de otro país.



LISNEL MORALES - YP Coordinator
lisnel.morales@gmail.com

IEEE Young Professionals, Puerto Rico and Caribbean Section

1) About you, where do you live and about your profession and your IEEE history.

Well, Hi everyone! My name is Lisnel Morales. I'm from a little town in the mountains at the center of the island named Aibonito. I graduated from Computer Engineering at the University of Puerto Rico in Mayaguez. I am IEEE member since 2005, that year I started as Activities Coordinator for WIE, then I joined the board of directors of the Student Branch also as Activities Coordinator. After a couple of years I became Vice Chair of the Student Branch. During this time my most important contribution was the achievement of the first RNR in Puerto Rico.

Nowadays I work as Design and Project Engineer in a Construction and Design Company for Communications Infrastructures specialized in fiber optics (FTTx). This year 2014 I started to be member of the Puerto Rico and Caribbean Professional Chapter. At this moment I'm the YP coordinator and Chair of Communications Society.

2) Tell us about your Young Professional Group and Section (Members, Geography)

Right now we are not a very big group. But I'm developing a work plan to elaborate more activities not only for the young professionals in the island but also to get the attention of other professionals in the Caribbean as we are working to re-establish the Dominican Republic Sub-section.

3) What activities have you planned for this and next year?

Some of the activities planned for this year are; discussion of technical topics with a panel of professionals, seminars about the skills every engineer should have but are not taught in college like Project Management, Public Speaking, How to prepare a Resume and have a good job interview. We would like to have our first Step among other recruitment activities. And also prepare a Job Fair with the local companies in order to make more young professionals to stay at the island.

4) What challenges do you have in your YP group section?

Our biggest challenge, not only for YP Puerto Rico and Caribbean but also for YP Puerto Rico Western, is the recruitment process. Puerto Rico has a big leakage of professionals to the United States once they graduate from college. This situation makes even harder the recruitment of young professionals.

5) A message for the members of your section

My message is not for the members but to the ones that are not yet part of the IEEE family. I want to exhort and dare you to be part of the group of professionals that moves the world. You are not going to regret it.



MILTON DAMIÁN MARCHÉ - YP Coordinator
milton.d.marche@ieee.org

IEEE Young Professionals, Argentina Section

1) About you, where do you live and about your profession and your IEEE history

Mi nombre es Milton Damián Marché, tengo 38 años, casado, un hijo 3 años (Vicente). Nací y vivo en la Ciudad de San Miguel de Tucumán, Provincia de Tucumán, ubicada al Noroeste de Argentina. Me siento muy orgulloso de vivir en mi ciudad, ya que fue el escenario del Congreso de Tucumán entre los años 1816 y 1820 que, entre otras cosas, declaró la Independencia del Virreinato del Río de la Plata a España, el 9 de julio de 1816. Tucumán es la provincia más pequeña y al mismo tiempo la más densamente poblada de Argentina.

Tucumán cuenta con 4 grandes universidades (Universidad Nacional de Tucumán, Universidad del Norte Santo Tomás de Aquino, Universidad Tecnológica Nacional Reg. Tucumán y Universidad San Pablo T) que generan una gran oferta académica de pregrado, grado, y superior (maestrías, doctorados, pos doctorados)

La economía en Tucumán se basa en la producción de azúcar de caña siendo el mayor productor en Argentina y el primer productor mundial de limones, así como de su industrialización y desde comienzos del siglo XXI es también uno de los principales productores de chia del planeta.

Me forme y obtuve el grado de ingeniero en computación en la Universidad Nacional de Tucumán, y luego continué capacitándome tanto en áreas de gestión como en áreas técnicas para lo cual tome cursos de pos grado en Project Management Institute (Univ. De Belgrano), Control de Gestión y Costos para no especialista (Univ. De Belgrano), Enterprise Security & Risks (escuela Cisco Systems), Curso de especialista en plataforma de desarrollo Genexus, múltiples Cursos y seminarios de IEEE, etc. Todo ello me permitió insertarme y tomar experiencias laborales en la industria azucarera, en consultoría independiente, como profesor en informática y en el desarrollo y gestión de proyectos informáticos. Desde hace 8 años trabajo en Obra Social del Personal de Prensa de Tucumán, en donde soy parte del equipo de Informática.

Respecto a IEEE, me asocié en el año 1999 cuando aún era estudiante universitario e inmediatamente me integre como voluntario en la Rama Estudiantil de la Universidad Nacional de Tucumán. Fue tal el entusiasmo que fui pasando año tras año de secretario de prensa y difusión a secretario general, luego a vice presidente y finalmente presidente de la Rama Estudiantil en mayo del año 2001.

Pero aun tenía ganas de hacer mucho más en IEEE.

Continúe por uno o dos años vinculándome en las actividades de la Rama Estudiantil IEEE Tucumán, luego me contacto Pablo Coria, a quien conocí en la RNR2001, San Juan Argentina. Pablo ya ocupaba el cargo de Coordinador GOLD para Argentina en 2004 y gracias a su motivación y conocimiento me incorpore Grupo GOLD (ahora Young Professionals) para continuar siendo voluntario de IEEE.

Al sumarme a GOLD en 2004 comencé como secretario y pase también por distintas posiciones, adquiriendo más experiencias en las actividades de IEEE, tomando cursos y seminarios y coordinando actividades con Ramas Estudiantiles, empresas, profesionales, viajes, etc. Siempre en pos de ayudar salvar las necesidades y expectativas de los recién graduados y de difundir los intereses de IEEE.

En 2006 lance el sitio web de IEEE GOLD Argentina junto a boletines via email con una periodicidad mensual para informar de las actividades y noticias. Para el año 2012 re estructure el sitio web y lance el sitio web en Facebook y a posterior el canal en Google. Todo ello como canales de comunicación muestra de las actividades.

Los viajes que más recuerdo son 2 (dos): RRGOLD_Acapulco,México_2006 por la gran cantidad de IEEEísta que asistieron y por el lugar tan paradisíaco. Y RRGOLD_Chile_2007 en donde además de la reunión IEEE, pude establecer fuertes lazos con Gaspar Agno (qdep), una genialidad de persona, profesional y amigo que no olvidaré jamás.

2) Tell us about your Young Professional Group and Section (Members, Geography)

Actualmente como Presidente del Comité YP para Argentina trabajo junto a Agustín Martina como Vicepresidente y Andrés Airabella como Secretario. Ellos están geográficamente localizados en Córdoba y en San Luis, respectivamente.

El grupo YP está muy orgulloso ya que en los últimos años fuimos renovando paulatinamente los integrantes del comité y manteniendo el espíritu federal, es decir poder contar con voluntarios del Grupo YP en distintos puntos geográficos de Argentina. Se logró realizar una gran diversidad de actividades: Búsquedas laborales, presentaciones en Ramas Estudiantiles, participar en congresos nacionales e internaciones, organizar seminarios, reuniones y capacitaciones con importantes profesionales residentes en el extranjero, organizar STEPs, IEEE Day, etc. Así como publicar el sitio web oficial, facebook y el canal de video en Google.

En el año 2010, IEEE GOLD Argentina recibió un CERTIFICADO DE RECONOCIMIENTO por sus DESTACADAS ACTIVIDADES REALIZADAS. Esto es parte de un concurso por el que se seleccionaron los 3 mejores Grupos Gold de la Región 9 para pasar a competir por el concurso a nivel mundial

Todo el trabajo, reconocimiento y premios recibidos es el resultado del esfuerzo conjunto de quienes integran año a año el comité y del apoyo brindado por la Sección Argentina.

3) What activities have you planned for this and next year?

Para el año 2014 seguiremos generando muchas reuniones del tipo profesionales y técnicas entre colegas, socio y no socios IEEE, siempre con el objetivo de fortalecer capacidades y relaciones profesionales, afianzar los conocimientos y difundir IEEE. Aprovecharemos también para el desarrollo de membrecías e invitar a nuevos voluntarios al Grupo YP 2014/2015.

Este año, entre otras actividades, ya realizamos la difusión de Búsqueda Laborales en el área IT para el NOA Argentino, reunión con colegas para compartir el webinar Harmonize People, Process & Practices in Product Development, participando más de 7 ingenieros. Fue una oportunidad más para difundir IEEE y de IEEE YP, beneficios, servicios y compartir además de un refrigerio.

Tenemos planeado para 2014 participar en la Reunión Nacional de Ramas Estudiantiles en Argentina en la Pcia de San Luis y en la Reunión Regional en Chile, así como organizar el festejo del IEEE DAY and IEEE YP WEEK, evento STEP, Visitas a industrias, Reuniones con los integrantes de Ramas Estudiantiles y continuar difundiendo el Grupo YP e invitar que se sumen activamente como voluntarios de IEEE YP 2014/2015.

4) What challenges do you have in your YP group section?

Existen 2 (dos) grandes desafíos:

-Continuar renovando el comité YP y aumentar la cantidad de voluntarios que participan activamente. Aspiramos a que en 2015 seamos al menos 6 (seis) y geográficamente distribuidos en Argentina. Para ello deseamos realizar muchas actividades y promoción para reclutar nuevos voluntarios.

-Otro desafío es el desarrollo de membrecías ya que actualmente en Argentina se encuentran vigentes normativas que aplican una gran carga impositiva para transacciones en el exterior y además existe una devaluación de la moneda corriente. Esto genera un aumento sustancial del valor de membrecía que impacta negativamente para enfrentar el pago tanto en quienes desean renovar como en aquellos que quieren ser nuevos socios.

5) A message for the members of your section

Ser voluntario en IEEE permite desarrollar habilidades y herramientas para la gestión de tiempo, proyectos y las relaciones profesionales aplicables tanto en la vida diaria como en las actividades laborales. Contar con la experiencia del voluntariado IEEE ayuda a valorar aún más a todos quienes entregan parte de su tiempo, brindan un esfuerzo físico y mental más allá del común, asumiendo desafíos y responsabilidades, trabajando en equipo.

Hay mucho por hacer, mucho por difundir. Es tiempo de enfrentar desafíos.

Es el momento de unirse al equipo de Voluntarios de IEEE.



RAFAEL TSUJI MATSUYAMA - YP Coordinator
rafael.matsuyama@ieee.org

IEEE Young Professionals, South Brazil Section

1) About you, where do you live and about your profession and your IEEE history

My name is Rafael Matsuyama, I currently live in São Paulo, working as a CEO & Founder at Plano B Systems (a software development company I founded), as a Associate Researcher at University of São Paulo and a PhD candidate for the same university.

I joined IEEE in 2012 as a volunteer, receiving an invitation from a friend (Celso Crivelaro, current YP R9 Chair), to do some presentations for STEP events in the Section. After some months, I became more and more involved and motivated with the challenges we had in growing the IEEE community in the South Brazil Section, like improving the engagement of local IEEE members, motivating the volunteers and defining strategic partnerships in the industry and academia. In November 2013, Celso Crivelaro invited me to take the Section's YP Chair role in his place. I have a short, but intense history in IEEE, since starting as a presenter and now as a partnership manager, team leader and mentor too.

2) Tell us about your Young Professional Group and Section (Members, Geography)

Our YP team is growing a lot in the last few months, there are currently 14 members (and growing!) and we are expanding our activities and geographic reach (South Brazil Section extends to 4 Brazilian States, a large area with high population density), so I have decided to delegate and decentralize some activities to some teams in other locations like Londrina and Bauru (regions that are far from São Paulo), to promote a more personal contact to YP in these places. The formation of local YP teams with highly motivated volunteers caused a major impact in improving our relationship with local IEEE members (not only students, but professors as well). Our YP team does interact frequently with other IEEE groups, such as: WIE, SIGHT, Societies, Chapters and Student Branches, to promote new activities together and further expand all IEEE groups.

3) What activities have you planned for this and next year?

There are lots of planned activities for this year, a total of 6 STEP events (since there are dozens of high-grade universities in South Brazil Section), those events being the best promoters of the YP and IEEE name, engaging many students in each edition. Other activities include mentoring sessions with YP members as mentors, YP Week organization, virtual presentations with specialists and some initiatives in the business side, like partnerships with large IT corporations to get some benefits for local IEEE members and sponsorships for our events. There is a virtual kanban board here with over 40 activities to do yet, like the YP Gourmet meetings...

4) What challenges do you have in your YP group section?

The greatest challenge is to retain recently graduated IEEE student members (which turn to be YP members after graduation), our team is thinking about some ways to address this issue, but it isn't easy in our Section, since there is a competition between other institutions and groups outside IEEE for the same engineering professionals.

A second challenge is to reach the actual YP members in our Section and engage them to participate, I'm currently structuring a communication team to address this, there are lots of YP members which don't know about the benefits of being an YP member.

5) A message for the members of your section

For everyone: try to interact with the IEEE groups, most of them have open doors to new members, there is a great range of opportunities in working with us, like as a lecturer, as mentor, or for networking, promoting business partnerships. And it's fun to work with other volunteers to help humanity!



PABLO ANDRÉS REINOSO SEGARRA – YP Coordinator
pablo.reinoso.1986@ieee.org

IEEE Young Professionals, Ecuador Section

1) Acerca de ti, ¿dónde vives y sobre su profesión y su historial IEEE.

Toda mi vida se ha desarrollado en la ciudad de Cuenca – Ecuador, desde el Colegio mi inclinación se dio por una carrera técnica, es así que luego de mis estudios secundarios obtuve el título como Técnico Eléctrico y al culminar mi carrera universitaria en diciembre de 2013 obtuve el título como Ingeniero Eléctrico. Actualmente me encuentro desarrollando mi profesión de manera independiente dentro del área de las instalaciones eléctricas y telefónicas, además continuo preparándome constantemente para fortalecer mi capacitación tanto académica como profesional.

Dentro de mi vida universitaria fui Vicepresidente del Comité Estudiantil de la Facultad de Ingeniería de la Universidad Católica de Cuenca donde tuve la oportunidad de colaborar en la formación y creación de una Rama Estudiantil IEEE, posteriormente durante el periodo 2011 – 2012 fui su presidente siendo esta una de la mejores experiencias de mi vida la cual me ayudo a pulir mi formación personal y profesional, durante esta etapa a más de las múltiples actividades que se lograron realizar con gran éxito una de mis mayores satisfacciones es haber tenido la oportunidad de liderar la organización de una Reunión Nacional de Ramas Estudiantiles, evento que contribuyo significativamente a fortalecer el trabajo de quienes dirigen nuestra Sección con sus Ramas Estudiantiles.

En el año 2013 forme parte del Comité de Actividades Estudiantiles SSAC de IEEE Sección Ecuador y actualmente gracias a la invitación de nuestro presidente estoy el frente de Young Professionals Ecuador.

2) Háblenos de su Grupo Joven Profesional y la Sección (A los miembros, Geografía).

Continuando con la magnífica labor emprendida por quienes desde años atrás estuvieron al frente del Grupo de Afinidad IEEE GOLD, ahora como IEEE Young Professionals hemos iniciado un plan para contactar y agrupar a la mayor cantidad de miembros IEEE ya sea egresados o ya titulados, los mismos que están ubicados en distintas Ciudades y Universidades en donde ya han

sido líderes estudiantiles dentro del IEEE y actualmente pueden ser un excelente soporte y enlace entre las Ramas Estudiantiles y la parte profesional de IEEE.

Esta iniciativa a más de tratar de incrementar la membresía profesional, tiene como objetivo descentralizar y crear células YP a nivel nacional con el fin de garantizar la continuidad de procesos y las actividades planificadas a futuro en beneficio del área profesional.

3) ¿Qué actividades se han planeado para este y el próximo año?

Las actividades que están pronto a desarrollarse están encaminadas directamente a cubrir las necesidades y aspiraciones de los miembros estudiantiles que están pronto a graduarse y sobre todo de aquellos profesionales que ya se encuentran en los distintos campos laborales y en donde podemos contribuir en su capacitación y actualización técnica.

Es así, que días atrás durante la X Reunión Nacional de Ramas Estudiantiles de nuestra Sección desarrollada con mucho éxito en la Universidad Técnica del Norte en la ciudad de Ibarra - Ecuador, ante todos los asistentes realizamos nuestra presentación enfocada a brindar una idea clara de los alcances y beneficios de IEEE Young Professionals y también aprovechamos la oportunidad para realizar la cordial invitación encaminada a organizar a nivel nacional diferentes actividades ya sea conferencias, talleres, seminarios o demás eventos dirigidos a cubrir diversos temas de gran interés dentro de las distintas áreas de la ingeniería, esto lo podremos realizar gracias al entusiasmo y a la gentil colaboración de distinguidos miembros profesionales pertenecientes a los distintos Capítulos Técnicos y Grupos de Afinidad todos y cada uno de ellos expertos en su área y quienes se desarrollan profesionalmente en las más reconocidas instituciones públicas y privadas.

Todas estas actividades a más de fomentar el trabajo en equipo entre todas las partes que integramos IEEE Sección Ecuador permitirá sumar nuevas membresías y a la vez hacer aún más provechosa y atractiva la renovación de la membresía profesional.

4) ¿Qué retos tiene en su sección su grupo YP?

Uno de nuestros mayores retos es hacer llegar y conocer a todos nuestros miembros los beneficios que el IEEE puede brindar mediante su membresía profesional, por esta razón es nuestro compromiso a realizar todos los esfuerzos necesarios para trabajar en conjunto con las Ramas Estudiantiles que son la base en donde se encuentran todos nuestros futuros colegas. Además uno de los puntos de mayor importancia en nuestro plan de acción es el trabajar junto a nuestros compañeros profesionales, recibir sus inquietudes, sugerencias aspirando alcanzar una eficaz comunicación que permita buscar siempre un beneficio técnico común pero que en definitiva vaya en beneficio de todos nuestros semejantes.

5) Un mensaje para los miembros de su sección.

Más que un mensaje nuestra sincera felicitación dirigida a todos nuestros compañeros y compañeras que están próximos a culminar sus carreras universitarias, decirles que continúen como miembros activos del Instituto que contribuyo a su formación académica durante sus años de estudios universitarios y el cual también les apoyara en el desarrollo de su profesión.

Y a todos nuestros compañeros profesionales desde años atrás lo que deseamos mediante este espacio es invitarlos a sumarse masivamente a IEEE YOUNG PROFESSIONALS y de esta manera vincularse y aprovechar de la mejor manera toda su apertura y beneficios y a la vez ser parte importante del fortalecimiento y crecimiento del Instituto de Ingenieros

Competencia de Ideas de Negocio

IEEE Sección Ecuador

Ideas basadas en Tecnologías Humanitarias

IEEE Sección Ecuador invita a todos los estudiantes del Ecuador a participar de la competencia de ideas de negocio basadas en los objetivos del programa IEEE SIGTH. La competencia nos permitirá:

- Impulsar y estimular el emprendimiento innovador en Ecuador.
- Facilitar la asistencia técnica, jurídica y empresarial a las iniciativas que se desarrollen en la competencia de ideas de negocio.
- Gestionar la cooperación con entidades locales y nacionales para que promuevan las iniciativas que se desarrollen en la competencia.
- Estimular económicamente a las principales ideas de negocio.

¡Anímate a ver el emprendimiento como una opción de desarrollo personal y profesional!

18 Universidades invitadas, al menos 54 estudiantes participando y 18 planes de negocio.

Síguenos en: www.facebook.com/IEEEseccionEcuador



LUIS A. TATIS MORALES - YP Coordinator
prosodico@gmail.com

IEEE Young Professionals, Puerto Rico & Caribbean Section

1) About you, where do you live and about your profession and your IEEE history

I live in San Juan Capital city of Puerto Rico.

IEEE VOLT PROGRAM GRADUATE 2013.

Current: Volunteer for the Puerto Rico & Caribbean Section - Vice Chair & Treasurer 2012-current and Young Professionals (YP) Vice Chair. Also, Active member since 2005 of IEEE in Region 9. (9 years)

Past:

Former Puerto Rico & Caribbean Communications Chapter Chair 2010-2012 . Section Affinity Group Young Professionals Chairman , Former G.O.L.D 2010-2014. Directive Member IEEE Student Chapter 2008-2009 PUPR: Chair. Former Directive Member IEEE Student Chapter 2007-2008 PUPR: Public Relations. (Polytechnic University of Puerto Rico).

2) Tell us about your Young Professional Group and Section (Members, Geography)

- 3 Active Student Branches For Puerto Rico & Caribbean Section

- Active 48 YP Members, 155 Student Members

- Polytechnic University- San Juan, Turabo University - Gurabo, Interamericana University – Bayamón

3) What activities have you planned for this and next year?

- The creation of 3 more student branches. (Humacao & Bayamón-UPR – Caribbean Collage)

- Planning for the IEEE Haiti Inaugural Conference for April 14-16 in Haiti.

- Coordination for the first STEP Event in the PR&C Section.

- Work with the development in the Subsection

Dominican Republic for Student Branches and YP coordinator formation.

4.) What challenges do you have in your YP group section?

Membership development

5) A message for the members of your section

In order to contribute with the professional development around the world, your support as a member, supports our slogan "Connecting the world".

In our goal to grow as an organization, we have been promoting the membership program, in which professionals may be associated with the IEEE under a specific category, in accordance with their training and professional experience.

CONCAPAN XXXIV Panamá 2014



CONCAPAN XXXIV Panamá 2014
Contribuyendo con la Innovación Tecnológica



IEEE Sección Panamá

Le invita a participar del evento técnico de mayor prestigio de Centroamérica y Panamá

12 al 14 de noviembre de 2014
Hotel Riu Plaza Panamá
Ciudad de Panamá



@concapan2014



concapan2014



concapan2014@ieee.org

www.ieee.org/concapan2014

Ave. Manuel Espinosa Batista | Edif. Ateneo de Ciencias y Artes | Segundo Piso, Oficina #3
Tel/Fax: (507) 223-7445 | Apartado 0819-09369 Panamá, República de Panamá





ING. CARLOS RUEDA ARTUNDUAGA – Expresidente del Comité GOLD Latinoamérica
artunduaga@ieee.org

Mujeres en la Ingeniería: Rompiendo Paradigmas

En la Reunión Regional de Ramas Estudiantiles del IEEE (RRR), realizada en la ciudad de São Paulo, Brasil, en el año 2001, en la que participé como Presidente de la Rama Estudiantil de la Universidad Distrital “Francisco José De Caldas”, expresé que el principal problema que teníamos en aquellos meses era la baja participación de mujeres estudiantes y profesoras dentro de nuestro Comité Ejecutivo y dentro de las actividades de nuestro grupo. El objetivo de dicha parte de la reunión, era plantear nuestros principales problemas y luego en el siguiente año, resolverlos a corto plazo, por lo cual pensé que creando un grupo estudiantil de WIE en nuestra Rama, podríamos vincular a más miembros femeninos a nuestras actividades. Esa era la única debilidad que teníamos en nuestra Rama en aquel momento: la falta de participación femenina.

Luchamos con mucho empeño en aquella época, dado que nuestra Rama estaba compuesta principalmente por estudiantes de Ingeniería Electrónica, una carrera que no contaba casi con mujeres en aquellos años. Entonces inicié la labor de vincular otras carreras diferentes a nuestra Rama, incluyendo Ingeniería de Sistemas (mi carrera, donde había un buen grupo de mujeres estudiantes), Ingeniería Industrial e Ingeniería Catastral. Junto a mi comité ejecutivo, desarrollamos una estrategia de promoción en los precios de la membresía, con grandes descuentos, para lograr la vinculación de más chicas estudiantes.

El segundo paso, que fue el más difícil, y consistió en solicitar al comité mundial de IEEE WIE (Women in Engineering) la oficialización de nuestro grupo ante IEEE Head Quarters, a lo que recibimos una respuesta negativa, dado que ningún grupo estudiantil de este tipo se había creado, y no existían los reglamentos y normas (bylaws) que permitieran dicha oficialización. En resumen, en IEEE no existían grupos de afinidad a nivel estudiantil, de ningún tipo. Solo existían los capítulos técnicos ligados a las Sociedades.

Pero después de una larga insistencia de mi parte a través de correos electrónicos, recibí respuesta de Pilar Molina-Gaudó (WIE Committee member) y de Laura Durrett (Student Activities Staff), quienes me colaboraron en la tarea de redacción, creación, trámite

y final aprobación de los bylaws correspondientes. Fue un trabajo de casi un año, pero logramos hacerlo, creando y oficializando así en el año 2002 el primer grupo estudiantil de afinidad del IEEE en todo el mundo, y el primer grupo estudiantil WIE del planeta.

Pero estos sueños no hubiesen podido ser realidad, sin la gran ayuda del Comité Ejecutivo de mi Rama en el año 2001 y las chicas que continuaron después de mi en la presidencia del grupo WIE IEEE UD en los siguientes años: Mónica Yira Luna, Luisa Fernanda Díaz y Leyini Parra, quienes trabajaron con un grupo de mujeres y hombres para el desarrollo de las actividades de este nuevo grupo de afinidad en nuestra Universidad.

Ahora que este grupo estudiantil de Mujeres en la Ingeniería es una realidad, me encuentro feliz de saber que muchas jóvenes estudiantes se han vinculado a nuestra Rama, y además, la membresía es más diversa que antes, ya que tenemos nuevos miembros de otros proyectos curriculares que antes no se habían vinculado, como Ingeniería Industrial, al igual que Ingeniería de Sistemas (la membresía de la Rama de la Universidad Distrital históricamente siempre había sido en su mayoría, más de un 95% compuesta por estudiantes de Ingeniería Electrónica). Esto es algo realmente gratificante. Además después de esto, han sido varias las mujeres que han sido Presidentas de nuestra Rama Estudiantil y que también han sido luego, miembros profesionales y parte de nuestro Comité Ejecutivo de la Sección Profesional del IEEE Colombia.

He tenido el privilegio de servir luego en el Women in Engineering Committee como Representante Estudiantil desde junio de 2002 a junio de 2003. Esto ha sido algo maravilloso. En aquella época participé en teleconferencias mensuales con el comité mundial WIE, algo que ha sido realmente divertido y motivante. Cada año, un o una miembro estudiantil es nominado(a) a ser parte del comité mundial, en el cual participará en todos los proyectos y discusiones, en aquella época junto a miembros de Suecia, España, Estados Unidos, y por nuestra Región 9, Sandra Hidalgo de Bolivia y por supuesto yo desde Colombia. Fue un trabajo duro pero realmente gratificante, ya que formamos nuevos grupos

de afinidad de Mujeres en la Ingeniería alrededor de todo el mundo, principalmente África, Medio Oriente y América Latina, que son culturalmente propensos al machismo.

Desde la formación de nuestro capítulo WIE en el 2001, nuestra Rama Estudiantil de la Universidad Distrital, ha realizado varias actividades en Colombia para fomentar el desarrollo de capacidades y habilidades en las jóvenes estudiantes de ingeniería. Algunos de los primeros eventos realizados a los pocos meses de su fundación, fueron: Lanzamiento del grupo WIE UD y La Semana de la Mujer (Universidad Distrital), Reunión Regional de Ramas Latinoamericanas (Magdalena Salazar-Palma, Presidenta en aquella época del Comité Mundial WIE, participó como conferencista con nosotros en dicho evento), encuestas sobre la visión de las Mujeres Ingenieras en nuestra ciudad de Bogotá, conferencias en

varias universidades de Bogotá, Ibagué y Bucaramanga, donde se han formado nuevos grupos WIE, como los de las universidades Industrial de Santander, San Buenaventura, Cooperativa de Colombia y Coruniversitaria de Ibagué.

Además, fuera de la Rama de la Universidad Distrital de Colombia, durante esos primeros meses, logramos formar varios nuevos Grupos Estudiantiles WIE en diferentes países, como Alemania, Nigeria, Colombia, Canadá, Estados Unidos, Brasil, Costa Rica, Ecuador, Egipto, Macedonia, México y Turquía. Esta es una gran forma dar a conocer la ingeniería dentro del ámbito de la mujer estudiante de secundaria y de las ventajas que da el IEEE a toda su membresía, iniciando por mi Universidad Distrital en Colombia, y luego trascendiendo al mundo.



Rama Estudiantil de la Universidad Distrital Francisco José de Caldas, en Bogotá, Colombia. Año 2001: Miembros hombres en más de un 90%.



Primera Reunión del nuevo Grupo Estudiantil WIE del Mundo, Año 2002: Compuesto por 7 mujeres y 3 hombres.



SALOMÓN A. HERRERA - IEEE Ecuador SSAC
salomon.herrera@ieee.org

Visita de IEEE Sección Ecuador a las Ramas Estudiantiles de la ciudad de Guayaquil

IEEE Sección Ecuador realizó su segunda visita a las ciudades donde existe al menos una Rama Estudiantil. En esta ocasión estuvimos en la ciudad de Guayaquil compartiendo una agenda de trabajo con directivos y jóvenes de las Ramas Estudiantiles de la Universidad Católica de Santiago de Guayaquil, Universidad Politécnica Salesiana sede Guayaquil y la Escuela Superior Politécnica del Litoral. La agenda de trabajo fue la siguiente:

- 10H30 - 10H35: Bienvenida
- 10H35 - 10H40: Presentación de los Asistentes
- 10H40 - 10H55: Proyectos de IEEE Sección Ecuador
- 10H55 - 11H10: Proyectos del Comité SAC
- 11H10 - 11H40: Gestión de una Rama Estudiantil
- 11H40 - 11H50: Avance del plan de trabajo de las Ramas Estudiantiles
- 11H50 - 12H15: Conversatorio: Beneficios de una Rama Estudiantil para la Universidad
- 12H15 - 12H30: Entrega de reconocimiento a cada Institución

Agradecemos a los representantes de las tres Universidades por habernos acompañado. Fue una reunión que nos permitió conocer el trabajo que están realizando las Ramas y además integrar IEEE Sección Ecuador con las autoridades de las Universidades.



PhD. Alberto Sánchez, Presidente de IEEE Sección Ecuador, entrega reconocimiento a la Universidad Politécnica Salesiana de Guayaquil



PhD. Alberto Sánchez, Presidente de IEEE Sección Ecuador, entrega reconocimiento a la Universidad Católica de Santiago de Guayaquil



IEEE Sección Ecuador junto a directivos de las Universidades ESPO y UPS Guayaquil



PhD. Alberto Sánchez, Presidente de IEEE Sección Ecuador, presentando el plan de trabajo de la Sección Ecuador

Region 9 IEEE Senior Members Upgraded in 2014

Colombia Section, **Benítez Hernan**

Mexico Section, **Juarez J. Reyes**

Mexico Section, **Gomez Pablo**

Panama Section, **Rangel Radames**

Puerto Rico & Caribbean Section, **Rosa-Molinar Eduardo**

Centro-Norte Brasil Section, **Lucena Vicente**

Chile Section, Perez Marcelo

Chile Section, **Sauma Enzo**

Mexico Section, **Morales Caporal Roberto**

Minas Gerais Section, **Duque Carlos**

South Brazil Section, **Isotani Seiji**

Uruguay Section, **Daoudian Nicolas**

Colombia Section, **Guerrero Santander Cesar**

Colombia Section, **Gomez Maria**

Colombia Section, **Maldonado Carlos**

Ecuador Section, **Torres Rommel**

Guadalajara Section, **Huegel Joel**

Guatemala Section, **Alvarado Juan**

Guatemala Section, Falla Alejandro

Mexico Section, **Davila Jorge**

Mexico Section, **Angarita Marquez Jorge**

Queretaro Section, **Nieto Perez Martin**

Argentina Section, **Roca Jose**

Colombia Section, **Sierra Daniel**

Colombia Section, **Guevara Ibarra Dinael**

Colombia Section, **Castro Harold**

Colombia Section, **Hidalgo Rodrigo**

Colombia Section, **Alzate Marco**

Costa Rica Section, **Lopez Ismael**

Ecuador Section, **Monsalve Carlos**

Monterrey Section, **Nolazco-Flores Juan**

Morelos Section, **Meneses-Ruiz Javier**

South Brazil Section, **Bruno Marcelo**

South Brazil Section, **Koch Fernando**

Guadalajara Section, **Alanis Alma**

Guadalajara Section, **Rodriguez-Vazquez Eloy Edmundo**

Colombia Section, **Velasquez Juan**

Monterrey Section, **Gutierrez David**

Queretaro Section, **Guzman-Rivera Miguel**

Rio de Janeiro Section, **De Souza Luiz Felipe**

Bahia Section, **Mello Carlos**

Colombia Section, **Gomez Rojas Jorge**

Colombia Section, **Ramos-Paja Carlos**

Ecuador Section, **Silva Ricardo**

Guadalajara Section, **Pardo Arroyo Ernesto**

Mexico Section, **Ramos Victor**

Morelos Section, **Guerrero Julian**

Morelos Section, **Linares-Flores Jesus**

Trinidad And Tobago Section, **Chadee Anthony**

Panama Section, **Roper Donna**

Trinidad And Tobago Section, **Ramsingh Jason**

Colombia Section, **Tamura Gabriel**

Guadalajara Section, **Castillo Rafael Castaneda**

Peru Section, **Roman-Gonzalez Avid**

Queretaro Section, **Vargas-Soto Jose**

YOU COULD BE THE NEXT IEEE SENIOR MEMBER!



Guía Editorial

Artículos de Divulgación y Columnas

Los artículos y columnas deben tratar sobre divulgación dirigidos en general a miembros y no miembros del IEEE interesados en temas relacionados con las áreas de incumbencia del Instituto, cuyo público va desde estudiantes terciarios, de grado y posgrado en carreras relacionadas con la tecnología, su gestión y dirección hasta profesionales en los sectores de la academia, empresa, gobierno y ONGs.

Los autores deberán enviar un documento de Microsoft® Word, LibreOffice u OpenOffice.org, con letra Times New Roman de cuerpo 10 puntos con espaciado interlineal de 1,5, de 6 páginas como máximo, con márgenes izquierdo de 3 cm y superior, inferior y derecho de 2 cm. Deberán incluir título, autores y adscripción, resumen, introducción, desarrollo, conclusiones, referencias, breve currículum del/os autor/es y su retrato (opcional) en formato JPG o PNG con un tamaño máximo de 500 KB. Todas las imágenes, diagramas y gráficos que incluya el artículo deberán ser enviadas también en archivos por separado del documento con un tamaño máximo de 500 KB. En general, llevará el formato de publicaciones IEEE, y en el proceso de edición se enmarcarán ciertos conceptos clave contenidos, para facilitar la lectura del público al que va dirigido.

Noticias de la Membrecía

Son aquellos escritos que nos acercan novedades sobre eventos o reportes de actividades de secciones, capítulos o ramas estudiantiles.

Los autores deberán enviar un documento de Microsoft® Word, LibreOffice u OpenOffice.org, con letra Times New Roman de cuerpo 10 puntos con espaciado interlineal de 1,5, de 1 única página, con márgenes izquierdo de 3 cm y superior, inferior y derecho de 2 cm. Deberán incluir una foto representativa del evento o reporte en formato JPG o PNG con un tamaño máximo de 500 KB, enviadas también en archivos por separado del documento, así como nombre completo y cargo del responsable de la nota. Se solicita una limpia redacción.

Calendario

Deberán enviarlo al Editor indicando:

- Nombre del evento.
- Fecha/s, horario/s y lugar/es.
- Organizador/es.
- Página web y dirección de correo electrónico de contacto.

Llamados a Presentación de Trabajos

Enviar poster en un archivo de 1 página en formato JPG, PNG, TIFF con una buena relación calidad/peso, no superior a 2 MB. Deberá llevar algún logotipo que indique que el evento es del IEEE o alguna de sus entidades. La calidad de la

imagen del poster es responsabilidad de quien envía el material y, en el caso de que el archivo recibido exceda el peso indicado, será convertido a uno que cumpla con el estándar, esto con la finalidad de prestar el servicio. Si la calidad no fuera adecuada para su publicación en una revista en formato estándar ISO A4, el Editor-en-Jefe se reserva el derecho de omitir su publicación.

Llamado a Participación

NoticIEEEro invita a los miembros del IEEE en la Región 9 a formar parte del Comité Editorial como Editor de Columna:

- Entrevista R9.
- Perfil R9.
- Membrecía.
- Se aceptan propuestas de nuevas columnas.

Vías Oficiales de Comunicación con NoticIEEEro

 noticieero@ieee.org

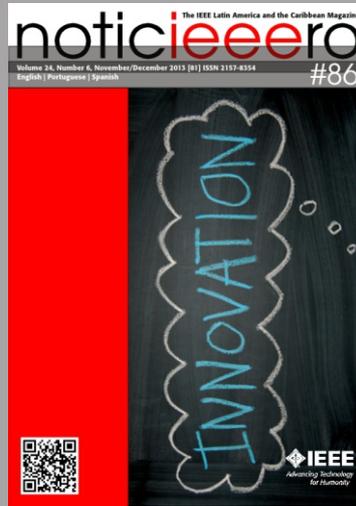
 [@noticieero](https://twitter.com/noticieero)

 www.facebook.com/noticieero

Calendario Editorial del NoticIEEEro

# N°	Deadline Cierre de Edición	Distribution Distribución
87	Mon 20 Jan 2014	Sat 1 Feb 2014
88	Thu 20 Mar 2014	Thu 1 Apr 2014
89	Thu 20 May 2014	Sun 1 Jun 2014
90	Sun 20 Jul 2014	Fri 1 Aug 2014
91	Sat 20 Sep 2014	Wed 1 Oct 2014
92	Thu 20 Nov 2014	Mon 1 Dic 2014

Coming October 2014



Los invitamos a formar parte del contenido que se publica bimensualmente. El Noticieeero es la revista oficial de la Región 9 del IEEE.

sites.ieee.org/r9/publicaciones-2/noticieeero/

