

IEEE R10 News and Highlights

IEEE R10 Annual Meeting 2013 2-3 March 2013, Chiang Mai, Thailand

Region 10 annual meeting was held on 2 - 3 March 2013 at Le Meridien Chiang Mai, Thailand. The meeting was attended by delegates from R10 Sections and Councils, Region10 EXCOM members, guests from IEEE Head Quarter (IEEE HQ), awards recipients, and IEEE staffs. In total, we had 119 attendees. The distinguished guests from IEEE HQ included Member & Geographic Activities (MGA) Vice President Ralph M. Ford, IEEE Executive Director Edward James Prendergast, IEEE President-Elect candidates Howard Michel and Tariq Durrani, MGA Managing Director Cecelia Jankowski, and Educational Activities (EA) Managing Director Douglas Gorham.

The Region 10 Director and distinguished guests from IEEE HQ addressed the annual meeting in the morning session of the first day.

R10 Director Toshio Fukuda welcomed all Section Chairs and other Section representatives, Council Chairs, guests, IEEE staffs, and EXCOM members. He thanked local arrangement undertaken by Thailand Section. He also thanked the leadership of the Past Director, Lawrence Wong. In his address, he briefly explained the structure of IEEE and Region 10 EXCOM. He overviewed current status of Region 10. Finally, he emphasized the goals for 2013-2014, which are: 1) bringing greater value to members, 2) empowering Sections/Chapters, 3) strengthening inter-OU collaborations, and 4) exploring new Countries and areas.

Vice President of MGA, Ralph Ford, gave overview of the current status of IEEE as well as Region 10 from MGA perspective. Challenges and opportunities for MGA are explained. Also three current goals of MGA: 1) delivering a world-class membership experience, 2) expanding IEEE's global membership presence, and 3) modernizing the volunteer experience, are introduced. IEEE Executive Director, Jim Prendergast gave an

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- Careers Evening at CQ University Brisbane Campus
- Seminar on Computational Intelligence
- Second Students Conference on Engineering and Systems
- Seminar on IEEE Research Development Program Pakistan

GOLD Affinity Group

- IEEE GOLD South Australia: Quizzically IEEE
- IEEE GOLD New Zealand North: Humanitarian Technology Workshop

overview of IEEE. Intellectual property sales is up and Asia is dominating in PDF download from Xplore. Standard education and pre-university education are currently emphasized. Providing webinars is increasing. Open access journals are started. Also, he introduced what is going to happen in HQ in 2013.

Managing Director of MGA, Cecilia Jankowski, briefly touched the function and structure of MGA, and told focus of MGA in 2013. One issue in focus is improving membership experience and to achieve 60% of members to be very satisfied with IEEE membership. What is important for members is: 1) professional networking, 2) career resources and recognition, 3) access to publications, 4) continuing education, and 5) discounts on products and services. To improve membership experience, 1) IEEE Business Platform has better interface, 2) automatic renewal option is in place, 3) career services will be extended, 4) benefits can be more easily found on IEEE web, and 5) improved communication between IEEE and members will be sought.



Meeting in Progress

Managing Director of EA, Douglas Gorham, explained what is the role and goals of Educational Activities. Then, introduced EA activities in particular conducted in Region 10.

Region 10 Secretary shared with the delegates the agenda, and key events that took place at the Region 10 EXCOM meeting in Vientiane, Laos and called for the approval of the minutes of Region 10 meeting at Kolkata, India.

2012 financial report of Region 10 was presented and



R10 Delegates

the audit report was adopted.

Then, a President-Elect candidate Q&A session was conducted to allow Region10 members understand the goals of the two candidates. Region 10 Coordinators briefed their plans. The following poster session provided an opportunity for delegates to get more detailed information about Region 10 activities and discuss about them.

Presentations by Honorary Membership Committee, Special Interest Group on Humanitarian Technology, and Winners of 2011 R10 Large and Small Section Awards, Hyderabad and Hiroshima Sections, provided valuable information to delegates.

The meeting banquet was held at the hotel in the evening of the first day. During the banquet, awards ceremony, MOU signing between Chiang Mai University and IEEE on continuing education, and the presentations by representatives from three Sections (Kerala, Bangalore, and Queensland Sections) about their proposals to host the 2014 Region 10 Annual Meeting were conducted. The banquet began with Thai traditional dance performance and was a pleasant time for the delegates to mingle and interact. Everyone enjoyed themselves and had a wonderful evening.

The second day, 3 March, began with the tribute to the memory of Marzuki Bin Khalid who served as a Chair of IEEE Malaysia Section and took leadership roles in Region 10 EXCOM. He passed away last August. Rectification of 2013 budget is followed by reports on Region 10 HTC 2013 (Japan Council), TENCON2012 (Philippines Section), TENCON Spring 2013 (New South Wales Section), TENCON 2013 (Xian Section), and TENCON 2014 (Thailand Section).

The rest of the morning was then largely dedicated to small groups for feedback and training, covering Section management, conference organization, Section vitality, vTools, and educational activities.

The meeting itself ended around noon. After lunch, many participants took part in a city tour to strengthen bonding with other participants.

Hidenori Nakazato
IEEE Region 10 Secretary

R10 Seminar held in Chiang Mai in conjunction with the 2013 Region 10 Annual General Meeting

2013 IEEE Region 10 (R10) Annual General Meeting was held in Chiang Mai, Thailand on 2-3 March 2013. Taking this opportunity, R10 organized a seminar at Chiang Mai University on the morning of 1 March. The purpose of this seminar was to promote IEEE activities in Chiang Mai area by introducing IEEE activities and arranging technical talks on recent topics in IEEE related research themes. Prof. Hidenori Nakazato (Waseda University, R10 Secretary) took the role of master of ceremony for the seminar which began at 9:00am with the opening remarks and introduction of agenda by Prof. Ekachai Leelarasmee (Chulalongkorn University, IEEE Thailand Section Past Chair).



R10 Director Outlines IEEE Activities

In the first half of the seminar, IEEE activities were explained by four R10 Executive Committee members. Prof. Toshio Fukuda (Nagoya University, R10 Director) talked about the outlines of IEEE, MGA (Member and Geographic Activities) and R10 activities. Prof. Kukjin Chun (Seoul National University, R10 Awards & Recognition Committee Chair) then discussed membership promotion activities in R10, which include MD (membership Development), AR (Awards & Recognition), GOLD (Graduated Of Last Decade), IBS (Individual Benefits & Services), LM (Life Member), WIE (Women in Engineering) and SA (Student Activities). Mr. Takatoshi Minami (Fujitsu Laboratories, R10 Vice Chair of Technical Activities) explained R10 technology promotion activities including CTS (Conference & Technical Seminar), HTA (Humanitarian Technology Activities), EA (Educational Activities), PAH (Professional Activities & History) and IR (Industry Relation). Since HTA is becoming an increasingly important activity in IEEE, Mr. Deepak Mathur (Oil and Natural Gas Corporation, R10 HTA

Coordinator) explained the HTA in IEEE and R10 in detail, which highlighted SIGHT (Special Interest Group on Humanitarian Technology), R10-HTC (Humanitarian Technology Conference) and R10 HTA projects.

In the second half, four technical talks were given. The first speaker was Prof. Takako Hashimoto (Chiba University of Commerce, R10 WIE Coordinator) and the title of her talk was “Social Media Analysis-Exploring Topic Transition after East Japan Great Earthquake”. Prof. Yong-Jin Park (Waseda University, Member of R10 Advisory Committee) then discussed “Information-Centric Networking Architecture for Future Internet”. The third speaker was Dr. Michael Ong Ling Chuen (Institute for Infocomm Research, R10 IBS Coordinator). He talked about “Millimeter-wave Research Activities in Singapore”. The last speaker was Prof. Nipon Theera-Umpun (Chiang Mai University). He discussed his research activities in “Computational Intelligence in Biomedical Engineering”.

This seminar was made possible by strong support of IEEE Thailand Section and Chiang Mai University. R10 would like to thank Prof. Ekachai Leelarasmee, Prof. Thavatchai Tayjasanant (Chulalongkorn University, IEEE Thailand Section Secretary) and Prof. Supavadee Aramvith (Chulalongkorn University, R10 EA Coordinator) for their strong support. R10 would like to express special thanks to Prof. Sermsak Uatrongjit (Chiang Mai University) for his dedicated local support and promotion of this seminar. Because of the strong support, the seminar was quite successful and gathered more than 50 participants including researchers and students in Chiang Mai area.



Organizers and Speakers of R10 Seminar

Takatoshi Minami

R10 vice Chair of Technical Activities

Call for Proposals: 2013 R10 Section, Subsection and Chapter Support Fund

The details of the awarded to be granted and how to submit proposals to bid for 2013 Section, Subsection and Chapter support fund for section of chapter leadership and social activities are in the following site.
<http://www.ieeer10.org/2013/04/02/cfp-2013-r10-section-subsection-and-chapter-support-fund/>

The Four objectives include promote more activities in sections and chapters with financial support from region, strengthen the operation of sections and chapters operations and activities, provide more activities for the community in order to make IEEE more visible, and ensure the quality of operation and leadership ability sections and chapters.

Proposed leadership and social activity may be categorized in any of the following: Leadership Seminar/Training/Workshop, Family Day, Sports Competition, and Community Involvement Activity.

Please see the following for the Proposal Guidelines and Conditions:

R10 Section, Subsection and Chapter Committee will provide support fund to carry out the activity in partnership with respective sections, subsections and chapters which aims to promote and strengthen them through leadership and social activities for its members and the community.

- The R10 fund (SSBR) is targeted at activities from September. 2013 to Dec. 2013.
- The proposal forms must be completed by the proponent and endorsed by the Section Chair.
- In the proposal form, the proponent's information, the proposal information, the budget plan and the requested budget (\$300 to \$700) should be specified. The proposal should be also duly endorsed by the Section Chair. (Signature of the Chair)
- R10 Section, Subsection and Chapter Committee provide part of the cost of the activity (\$300 to \$700) in each case. Part of the cost of the activity must be borne by the respective section or any other sources.
- Proposal must be submitted to the IEEE R10 Section, Subsection and Chapter Committee Chair no later than the end of June in electronic means. Please make sure that an acknowledgement is received after sending the proposal within 7 working days, or it should be assumed that the submission is not received.
- After the end of program, the proponent has to

submit the result report according to the general guideline for the R10 Newsletter and the final financial report for the activity. The report should be sent within 2 weeks after the activity.

- The result report would be published in the R10 Newsletter.
- After confirming the result report and the financial report, R10 Section, Subsection and Chapter Committee will start the fund transfer process.

Limit of Support for Each Proposal: \$300 to \$700

Please send proposals to dadiosieee@gmail.com or, elmer.dadios@dlsu.edu.ph by June 25, 2013.

*Prof. Elmer P. Dadios
IEEE R10 Sections, Subsections and Chapters Chair
De La Salle University, Manila, Philippines*

GoogleApps@IEEE

The IEEE.org alias service will be upgraded in the coming months to a Google platform. Members will have the ability to continue forwarding mail or make use of a personal Gmail inbox, calendar and additional services such as Google Drive, Google+ and Picasa. This new benefit, GoogleApps@IEEE, will be available to members at no additional cost. Users will have access to:

- ✧ A unique IEEE e-mail address (e.g.; j.doe.94@ieee.org);
- ✧ 25-gigabyte inbox;
- ✧ 99.9% guaranteed up time; and
- ✧ Advertisement-free Gmail
- ✧ Storage of files in the cloud for easy sharing and access from anywhere, via Google Drive.

More information about this upgrade, please visit: <https://supportcenter.ieee.org/>

Awards presented at the 2013 Region 10 Annual Meeting



2011 R10 Distinguished Large Section Award presented to the representative of Hyderabad Section by R10 Director, Toshio Fukuda (Left in the picture)



2011 R10 Distinguished Small Section Award presented to the representative of Hiroshima Section by R10 Director



MGPL Narayana (Hyderabad Section) received 2012 R10 Outstanding Volunteer Award



2012 R10 Outstanding Volunteer Award for Trevor S Bird was presented to the representative of New South Wales Section



2012 R10 Outstanding Volunteer Award for Kohei Habara was presented to the representative of Tokyo Section



2012 R10 Most Members from Industry (MMI) Award was presented to the representative of Seoul Section



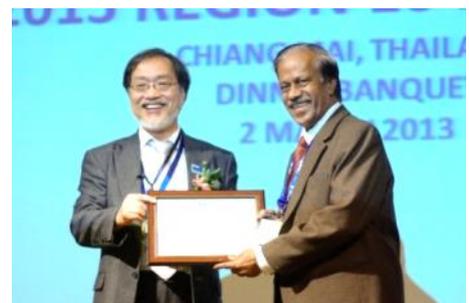
2012 R10 Most Increasing Members from Industry (MIMI) Award was presented to the representative of Sapporo Section



V. K. Damodaran (Kerala Section) received 2012 R10 Historical Achievement Award



R. G. Gupta (Delhi Section) received 2012 R10 Academia-Industry Partnership Award



2011 R10 WIE Section Affinity Group of the Year Award was presented to the representative of Delhi Section WIE Affinity Group

Awards presented at the 2013 Region 10 Annual Meeting



2011 R10 WIE Student Branch Affinity Group of the Year Award for Nirma Univ. was presented to the representative of Gujarat Section



2012 R10 WIE Volunteer Award for Mehvish Zahoor was presented to the representative of Lahore Section



Rabia Khalid (Karachi Section) received 2012 R10 WIE Volunteer Award



2012 WIE Volunteer Award for Guo Huaqun was presented to the representative of Singapore Section



Ranjit R Nair (Kerala Section) received 2012 R10 GOLD Award



2012 R10 GOLD Award for Maroof Raza was presented to the representative of Lahore Section



Ranjit R Nair (Kerala Section) received 2012 MGA GOLD Achievement Award from IEEE VP-MGA, Ralph Ford (Left in the picture)



2012 MGA GOLD Hall of Fame Award for Kerala Section GOLD Affinity Group presented to the representative of Kerala Section by IEEE VP-MGA



Australia Capital Territory Section received 25th Anniversary Banner



Indonesia Section received 25th Anniversary Banner

Awards presented at the 2013 Region 10 Annual Meeting



IEEE MGA and Region 10 Awards for 2013 R10 annual meeting are displayed in the meeting room of Le Meridien Hotel in Chiang Mai, Thailand

Need Membership Development materials for your local event or meeting?



Section Chairs, Section MD Chairs, Student Branch Chairs and Counselors are encouraged to request MD supplies kit online to compliment your need of membership development materials either for a meeting or an event.

The MD On-Demand Kit order form is available online at <http://ewh.ieee.org/forms/md/supplies-ondemand.php>

Due to inventory constraint, we can only supply one MD kit per section / student branch for each quarter.

MD promotional materials are also downloadable for local printing, please visit:

◎MD Print-On-Demand Promotion:

http://www.ieee.org/about/volunteers/membership_development/mdondemand.html

◎Global Student Competitions Print-On-Demand materials:

http://www.ieee.org/about/volunteers/membership_development/competitions.html

◎Benefit Promotion Posters:

http://www.ieee.org/about/volunteers/membership_development/index.html

We hope that you will find our MD kit materials useful for your recruitment and retention activities!

Fanny Su & Ewell Tan
IEEE Asia-Pacific Limited
ieeepo@pacific.net.sg

Rosetta Stone TOTALE program

The ability to speak another language is becoming a key factor in organizational success. Rosetta Stone equips learners with the language skills needed to overcome communication challenges. At an exclusive member rate, you can begin learning a new language through the Rosetta Stone's award-winning language-learning solution. Learn more about the Rosetta Stone TOTALE program discount for IEEE members: http://www.ieee.org/membership_services/membership/discounts/home_office.html

Mila Thelen

*Administrator, Member Group Insurance Program
IEEE Advancing Technology for Humanity*

Train-the-Trainer program at Chiang Mai University

Since the signing of MoU during the R10 meeting in Chiang Mai, IEEE Asia Pacific and Chiang Mai University has recently completed the train-the-trainer program.

The intensive program was conducted over the weekend from 18th to 19th May 2013. The IEEE trainer is Ms Leticia Salter from Texas A&M University at Qatar. Seven trainees from Chiang Mai University were trained. These trainees hailed from USA, Canada and Hungary.

They are now qualified to conduct the IEEE Continuing Education three courses: Technical Writing, Technical Presentation, and English for Engineering Chiang Mai University will be marketing the courses to Northern Thailand, Vietnam, Laos, Cambodia and Myanmar.

This successful partnership has led to enquiries from various government agencies and universities in and outside of Thailand.



Opening speech by Mr Steve Welch, Director Continuing Education, to the trainees. Standing on the right is Ms. Leticia from Texas A&M University at Qatar

Leo Hwa Chiang

*Education Activities – Continuing Education
IEEE Asia-Pacific Limited (Singapore)*

The Graduate Institute of Communication Engineering of National Taiwan University



Communications technology is a rapidly growing field changing the face of society everywhere in the world. High-quality information and communication systems are becoming prime requirements for economic success as well as the foundation for further social development. As being the top school in Taiwan, The Graduate Institute of Communication Engineering (GICE) of National Taiwan University has been a unique department which is well known for the best practice and new developments in the teaching of electromagnetics and communication and signal processing.

GICE comprises the "Electromagnetics Group" and the "Communication and Signal Processing Group," both providing the MSc and PhD degree. Through the intensely training in research activities, we prepare our future educators, researchers and engineers with fundamental knowledge, creativity, and problem solving skills to face the future challenges.

At GICE, we believe that the successful professional is one who sees connections between theories and practical applications. We offer not only advanced and up-to-date training but also close collaboration with international and Taiwanese industry. It fosters students' insights into current trends and provides ample opportunities of practical experiences.

We have 14 IEEE fellows among 44 faculty members, leading other institutions in Asia and also being comparable with top universities in the world. Many GICE members have long-term research collaboration with worldwidetopcompanies such as IBM, Intel, Acer, ASUS, HTC, Garmin, Mediatek, and TSMC. GICE students have abundant job opportunities and play critical roles in the Taiwanese ICT industry.

GICE aims to nurture leaders in the electrical engineering field with an international perspective and a broad academic vision. In addition, GICE will continue to pursue academic excellence and progress toward becoming one of the top research institutes in the world.

For more enrolling information, please visit this website : <http://www.comm.ntu.edu.tw/new/en/Admission.html>

IEEE President-Elect 2014

*Introductions and Position Statements of IEEE President-Elect Candidates
(Candidates are listed in the alphabetical order by the last name)*

TARIQ S. DURRANI

(Nominated by IEEE Board of Directors)

www.tariqdurrani.org



Research Professor
Department of Electronic and
Electrical Engineering
University of Strathclyde,
Glasgow, United Kingdom

Tariq Durrani joined
Strathclyde as Lecturer (1976),
Professor (1982), Head of one
of the largest Departments in
UK (1990-1994); and Deputy
Principal (2000-2006) with

major responsibilities for large-scale strategic developments. His research interests cover Communications, Signal Processing, and Technology Management. He has authored 350 publications; conducted collaborative work with industry; partnered in major European Union research programs; and supervised 40 PhDs. He holds Visiting Appointments at Princeton, University of Southern California, Stirling (Scotland), and Chengdu (China).

Tariq has held Directorships of eight organizations, including UK National Commission for UNESCO. He has served as consultant advisor to the Governments of UK, Netherlands, Portugal, UAE, US and European Union. Currently, he is Vice President (International) of the Royal Society of Edinburgh (2012-13).

He is Fellow: UK Royal Academy of Engineering, Royal Society of Edinburgh, IET and IEEE. In 2003 Queen Elizabeth II honored him with the title OBE (Officer of the Order of the British Empire) 'for services to electronics research and higher education'.

IEEE Accomplishments and Activities

Tariq has served on major IEEE Boards including Technical Activities, Educational Activities, Publication Services and Products, Awards, Conferences Committee, and led key Technical Societies; **delivering achievements with long term impact:**

President, IEEE Signal Processing Society (1994-1995). Established the IEEE Jack Kilby Medal (1995); created the highly successful IEEE Signal Processing Letters.

President, IEEE Engineering Management Society (2006-2007). Fostered technology management activities, extended services to members across IEEE technical societies.

Region Director, IEEE Communications Society for Europe, Middle East and Africa (2009-2011). Established IEEE ComSoc Young Researcher Award recognizing outstanding talented members in the Region.

Vice Chair, IEEE Publication Services and Products Board and Chair of the TAB Periodicals Council (1996-1997). Established Periodicals Review Committee for improving quality and timeliness of all IEEE Transactions.

Vice Chair, Region 8 Technical Activities (2003-2004). Introduced industry liaison, Section reviews, chaired R8 Conferences Committee.

Member, IEEE Awards Board (2006-2008). In partnership with Royal Society of Edinburgh, established joint IEEE/RSE Maxwell Medal.

Vice President, IEEE Educational Activities Board (2010-2011). Delivered vision and strategic plan enhancing global engagement. Promoted key programs supporting educational needs worldwide at the pre-university, university, and professional levels. Promoted the multilingual IEEE flagship portal *TryEngineering.org* for pre-university students, parents, and school counsellors. **Promoted Teacher-in-Service Program (TISP)** - training teachers on engineering design principles; reaching 580,000 pre-university students annually. **Fostered** global accreditation to improve engineering education quality in South America, the Caribbean, India, China and Middle East. Supported **IEEE E-learning Library** for continuing education of practicing engineers. **Popularized EPICS** (Engineering Projects in Community Service) - now in 24 countries - **extending IEEE global reach.**

IEEE Conferences - General Chair ICASSP'89, IEEE Signal Processing Society flagship conference (1600 attendees); Executive Chair ICC-2007, IEEE ComSoc keynote conference (1500 attendees); General Chair of IEEE IEMC-2002 - International Engineering Management Conference (280 attendees). **Member IEEE Conference**

Position Statement

I shall work ceaselessly to maintain and enhance IEEE as the world's premier organization of professionals. I undertake to:

Support Members and their Careers

Support for industry members

- Deliver opportunities to *professional engineers* for enhancing their skills base through continuing professional development.
- Establish Panel of Chief Executive/Technology Officers to advise IEEE on strategic issues for greater engagement with industry.
- Encourage practitioner-driven and practitioner-oriented conferences.
- Provide career support to young members; offer reduced membership fees upon graduation.

Maintain IEEE lead in Technologies and Standards Development

- Promote IEEE's global presence in areas such as Big Data Revolution, Green Technologies, Life Sciences, Cyber Security, Technology Management, Transportation and Energy.
- Enhance global visibility and adoption of IEEE Standards. Encourage IEEE Societies to partner with IEEE Standards Association in developing Standards related activities
- ***Ensure major IEEE presence in catalyzing solutions to 21st Century Global Grand Challenges***

Promote Innovations in Publications

- *Mass customization of technological information* - deliver information products constructed from across all IEEE publications, customized to suit individual needs.
- Encourage *multi-lingual* translation of journals, serving members worldwide and opening new markets.

Support Globalization and Outreach

- Establish affordable member rates worldwide through new membership models and progressive benefits.
- Promote more balanced Regional representation in IEEE's leadership.
- *Deliveries' Humanitarian Vision* partnering with institutions such as Engineering for Change, UNESCO, World Federation of Engineering Organizations.
- Working with WIE, establish high-level IEEE Prize for 'Outstanding Woman Engineer of the Year' to inspire women engineers.

Your Vote is Important

The opportunity to vote in the IEEE Annual Election is a privilege of your membership. Your vote is important to the IEEE and for your Region. Remember that eligible members also include postgraduate students. Ballot packages will be mailed to and electronic ballot access created for all IEEE members eligible to vote on or before **August 15TH, 2013**.

To ensure your ballot package is delivered to the proper mailing address, please update your member profile if necessary by logging into your IEEE account.

2013 annual election key dates

14 June

Petition nominations for candidates to be elected by the membership must be received by 12:00 p.m. ET, USA/16:00 UTC

15 August

IEEE annual election ballots are sent to all voting members on record as of 30 June

1 October

Last day for receipt of ballots from voting members by 12:00 p.m. CT, USA/17:00 UTC

For more information:

<http://www.ieee.org/about/corporate/election>

IEEE President-Elect 2014

Introductions and Position Statements of IEEE President-Elect Candidates (Candidates are listed in the alphabetical order by the last name)

Howard E. Michel

(Nominated by IEEE Board of Directors)

<http://howardmichel.net>



Howard retired from the U.S. Air Force in 1994, having been a pilot, satellite launch director, and engineer, including in the People's Republic of China where he served as a senior U.S. Government technical representative enforcing technology-transfer control plans and procedures during two satellite launches. Other

achievements include successfully launching seven U.S. satellites by directing launch-base test and integration involving booster, satellite, and telemetry-range hardware; and developing U.S. Department of Defense engineering processes for mission-critical computer systems.

Howard is a consultant for the U.S. DoD and private industry in the area of embedded systems, avionics, instrumentation and systems engineering.

Howard is Associate Professor of Electrical and Computer Engineering at UMass-Dartmouth. He has secured research funding from U.S. NSF and NOAA. He holds two patents and has published a textbook, 15 refereed journal papers and 70 conference papers, posters or abstracts. He has graduated 3 Ph.D. and 35 MS students.

IEEE Accomplishments and Activities

Recent leadership roles in the IEEE:

- I have served on the
 - IEEE Board of Directors (4 years)
 - Member and Geographic Activities Board (5 years)
 - IEEE-USA Board of Directors (2 years)
 - Technical Activities Board (1 year)
 - Region 1 (Northeast US) Director (2 years)
- Major committees:
 - Chaired the IEEE Public Visibility Committee (2 years)
 - Co-chaired (with VP-Technical Activities) an ad hoc committee to incorporate a basic society membership into IEEE membership (2 years)

- Member TA/PSP Products and Services Committee (1 year)
- Member ad hoc on Corporate Engagement (1 year)
- Member Governance Committee (2 years)
- Member Strategic Planning Committee (1 year)

As **Vice President, Member and Geographic Activities**, created and implemented “Metro Area Smart-Tech Workshops” — partnerships between local volunteers, IEEE Societies and professional staff

- They effectively engage practicing engineers and computer scientists to support their technical and professional needs
- Workshops universally received outstanding reviews (80%-90% satisfaction, 40%+ top box ratings) from attendees.
- I continue to work to expand these into all areas of the world

As **Vice President, Member and Geographic Activities**

- Dealt with international legal compliance and financial issues impacting our Sections, volunteers and members around the world
- Managed the development and implementation of an approval process for conferences — personally worked with senior local volunteers in China to implement it
- Instituted processes to empower and reward local geographic units for engaging members

As **Region 1 Director**, instituted a formal program to work with industry

- Held several “industry days” attended by hundreds of members and senior industry managers
- Afforded direct contact between our members and industry leaders
- I continued and expanded this globally as VP-MGA

As **Chair, IEEE Public Visibility Committee (PVC)**

- Created the IEEE tag line “Advancing Technology for Humanity”
- Established PVC as standing committee of the IEEE Board

Position Statement

I will work passionately on four things if elected IEEE President:

1) **Provide tools for career (not job) security for all members worldwide**

- Provide products and services — continuing education, practitioner journals and conferences,

- online forums and networking opportunities — to enable career security for working engineers and
 - computer scientists just as IEEE does now for academics with our journals and conferences
 - Our members will encounter many career transitions. Connect academics and practitioners — use the IEEE Future Directions and Technology Time Machine to guide and empower practitioners
- 2) **Expand globally, including within the U.S.**
- Implement regional geographic strategies — member value in Providence is very different than member value in Singapore or Brazil
 - Section/Chapter revitalization to empower and reward local geographic units for member engagement
 - Expand our ability to impact public policy and sentiment with respect to our technical areas of interest, including standards development and educational accreditation
- 3) **Adapt to disruptive technologies in our publishing and conference business**
- Provide individualized information 24/7 in customized ways for all 400,000+ members — become an interactive web of knowledge where researchers and practitioners can communicate and build knowledge together
 - Provide a high-quality user experience for authors, readers and reviewers, in all our journals, conference and future ventures
 - Stay in the lead in academic publishing; become the platform for practicing engineers to find and exchange information
- 4) **Increase visibility**
- Our members literally invent the world we live in
 - Our tag line is *Advancing Technology for Humanity*
 - We need a major effort to educate everyone everywhere on IEEE



World Toilet Day - Global Branding at Zero Cost

Open for Registration:

<http://www.engineeringforchange-webinars.org/>

Date: 17 July 2013 (11am New York, EST).

To convert to your local time, please use the World Time Converter at:

<http://www.timeanddate.com/worldclock/converter.html>

Speaker: Jack Sim, Founder, World Toilet Organization

What is E4C webinar series?

The Engineering for Change (E4C) Webinar Series promotes emerging ideas and connects you with a passionate community of engineers and development practitioners who want to make a difference. Each online seminar broadens your expertise, builds your knowledge of new opportunities and shows you how technology-based solutions are being used to address real-world challenges in underserved communities.

Registration is open to IEEE members and non-members, and whether you participate in the live webinar or listen to a recording, one can earn Certificate of Completions for Professional Development Hours awarded by the IEEE Educational Activities Board.

For more information on E4C, refer to: <https://www.engineeringforchange.org/home>

IEEE Communications Society - Karachi Chapter: Wireless Sensor Networks for Developing Countries

After the huge success of two International Multi-topic ICT conferences (IMTIC'08 and IMTIC'12) held, the 1st International Conference on Wireless Sensor Networks for Developing Countries (WSN4DC'13) was organized by Mehran University of Engineering & Technology (MUET) in Jamshoro, Pakistan with collaboration of IEEE Communications Society - Karachi Chapter (ComSoc-Khi), Erasmus Mundus Strong-Ties program and International Islamic University Malaysia (IIUM), between 24-26 April 2013 at its Jamshoro campus. The conference was sponsored by Higher Education Commission, ICT R&D and Pakistan Science Foundation.

Prof. Dr. M. A. Uqaili, Conference General Chair and Pro Vice Chancellor in his welcome address informed that this conference is the first of its kind which is being organized by MUET. He said that such an occasion brings together a wide spectrum of international experts to facilitate a creative environment for the promotion of collaboration and knowledge transfer.

Prof. Dr. Manzoor H. Soomro, Chairman Pakistan Science Foundation (PSF) and Chairman Economic Cooperation Organization Science Foundation (ECO-SF) congratulated the conference team for organizing such the mega event in the emerging area of Information and Communication Technologies. He said that with the emergence of electronics and nanotechnology the pervasive and ubiquitous environments are becoming reality where the key enabler technology is Wireless Sensor Networks (WSNs).

Prof. Dr. B. S. Chowdhry, Dean Faculty of Electrical, Electronics and Computer Engineering (FEECE), the Chief Organizer of the event and Chair ComSoc-Khi stated that WSN4DC'13 received over 100 submissions – confirming a trend of increasing interest in WSN4DC – coming from 30 different countries. He said that after going through review process by experts, only 23 papers were selected for the conference which gives about 23% acceptance rate. The conference will, therefore, efficiently disseminate original research results in printed and electronic form globally. He further said that ComSoc-Khi has supported events such as WSN4DC'13 in the past and will continue to do so in its region.

Dr. Faisal Karim Shaikh, Technical Program Committee Chair along with other experts and conference delegates announced the launching of “Global Society for WSN4DC”; a society dedicated on developing WSN based solutions for developing countries.

Prof. Javier Poncela from University of Malaga, Spain gave a key note presentation on Wireless Underwater Acoustic Communication Systems, which he said has become one of the most promising technologies for the development and deployment of underwater sensor networks with applications in oil prospecting, aquaculture, pollution control, prediction of natural disturbances etc.

At the concluding ceremony of the event the chief guest Dr. Shafqat Abbasi who is the advisor of the Government of Sindh on Energy, Science and Technology addressed the gathering. He said that it was heartening for him to know that this conference is first of a kind on the emerging technology targeting developing countries. He continued that this made him proud and that he felt satisfied that institutions such as MUET ensured that Pakistan does not lag behind in the area of science and technology.



Organizers and delegates at the inauguration ceremony of WSN4DC'13

Prof. Bhawani Shankar Chowdhry
Chair, IEEE Communications Society-Karachi Chapter R10



IEEE Bangalore Section: IEEE CONECCT

IEEE CONECCT was the outcome of a collective desire of the IEEE Bangalore Section Executive Committee, in June of 2012, to organize an International Conference relevant to academia and industry. It was felt that the current day electrical engineer is being confronted with complex problems, which requires a multi-faceted approach to solve them. Several modern systems have become a confluence of Electronics, Computing and Communication technologies, embedded with Control strategies. Hence a broad based conference was envisaged to attract the attention. We tried to get a suitable acronym and after a few iterations on a late evening, the Executive Committee came up with the name CONECCT.

To reflect the collective effort of a large number of members of the section, several Bangalore chapters of various societies were approached seeking their support. We are fortunate that many chapters agreed to be the technical Sponsors. Indian Institute of Science has always been the academic pillar for such conferences.

IEEE CONECCT received an overwhelming 457 papers for review. Papers were received from 18 countries which included India, Iran, Singapore, USA, Sweden, Taiwan, Korea, Japan, Sri Lanka, Finland, Malaysia, Turkey, New Zealand, Vietnam, Canada, South Africa, Italy, and Pakistan. A total of 40 TPC members and more than 150 reviewers assisted us in the review process. Each paper had at least 2 reviewers per paper and finally, we selected 46 papers for ORAL presentation which will be included in the IEEE Xplore database. We also selected 26 POSTER papers which will not be included in Xplore but will be included in the conf proceedings.

The technical programme comprised of Distinguished Plenary Lectures and technical sessions of peer-reviewed papers. We were very fortunate to have the following Distinguished Speakers:

- Prof. M. Vidyasagar, Fellow of the Royal Society, University of Texas at Dallas, USA
- Prof. Sadaoki Furui, Tokyo Institute of Technology, Japan
- Prof. Paul Berger, The Ohio State University, USA
- Dr. K. K. Ramakrishnan, AT&T Research Labs, USA
- Prof. Jeff Bilmes, University of Washington, USA 14
- Dr. Shekhar Kirani, Accel Partners
- Prof. D. P. Sengupta, National Institute of Advanced Studies

Over 150 engineers and scientists participated in the IEEE CONECCT Conference. Over 100 engineers and scientists participated in the following tutorials:

- *Zero-velocity Aided Foot mounted Inertial Navigation* by Prof. Isaac Skog & John Olof Nilsson, KTH-Royal Institute of Technology, Stockholm, Sweden
- *Topics on Storage Systems and Networks* by Prof. K. Gopinath (IISc), Durga Prasad Allada (Mahindra Satyam), Udayan Singh (TCS)
- *Microsoft Windows 8, Saba Halem, Microsoft*
- *Android – A serving plate for Embedded Domain*, Satish Patel, Texas Instruments
- *Next Generation Network (NGN) – Technology, Architecture and Applications* Satya N. Gupta, NGN Forum, India.

K. V. S. Hari
Professor, Dept. ECE,
Indian Institute of Science



LtoR: Prof. T.V. Sreenivas (TPC Chair), Prof. S. Furui (Plenary Speaker), Hitesh Mehta (Section Chair), Prof. K.V.S. Hari (General Chair)



LtoR: Dr. R. Siva Reddy (Treasurer, Section), Prof. K.V.S. Hari (General Chair), Dr. K. K. Ramakrishnan (Plenary Speaker), Prof. T.V. Sreenivas (TPC Chair), Prof. M. Vidyasagar (Inaugural Speaker), Prof. D. Das (TPC Co-Chair), Prof. S. Furui (Plenary Speaker), Hitesh Mehta (Section Chair), Prof. K. Gopinath (TPC Co-chair), Harish Mysore (GIEEE, India).

IEEE AP/MTT Joint chapter, Gujarat Section: One-day Expert Lecture Series on "Microstrip Antenna"

IEEE AP/MTT Joint chapter, Gujarat Section has conducted "one day expert lecture series on Microstrip Antenna" on 27th April 2013 at A.D. Patel institute of technology, new Vallabh Vidyanagar, Anand, Gujarat for benefitting students from universities. The lecture series was attended by nearly 60 students from colleges in and around Anand district.

The two speakers, Shri. Sanjeev Kulshrestha and Dr. Vijay Kumar Singh, with relevant experience of nearly 20 years in this field, delivered their talks. The talks covered basics of microstrip antenna, its feeding mechanism, design aspects, input matching issues and recent advancements including formation of large phased array antenna. The focus of the talk was to generate the interest among students about the microstrip antenna and its advancements over last 6-7 decades. Students have also exhibited their projects dissertation on microstrip antenna for communication link. Students liked the lecture series and expressed their desire to pursue higher studies in this field.



Participants including students & faculties at ADIT



Speakers on dais along with Head, Dept. of ECE

*Sanjeev Kulshrestha
Secretary, IEEE-AP/MTT Joint Chapter, Gujarat Section*

IEEE AP/MTT Joint Chapter, Gujarat Section: One-day Workshop on Communication and Navigational Satellite Technology

One day workshop on Communication and Navigation Satellite Technology was the first event in this calendar year jointly organized by IEEE AP03/MTT17 Joint Chapter, Gujarat section & LJ institute of engineering and technology at L.J. Institute of Technology at Ahmedabad, Gujarat, INDIA, on April 20, 2013.

The workshop was attended by nearly 200 participants including faculty members, students and researchers from colleges and research institutes in and around Ahmedabad. Four eminent speakers from premier research institutes, Shri. Rajeev Jyoti, Shri. Virender Kumar, Shri. Alak Banik and Shri. D. K. Singh delivered their expert talks in the field of communication & navigation satellite. The prime objective of the workshop was to update the participants about the latest development in the technology and encourage them to pursue their career in this complex field.

The expert talk began with the evolution of the artificial satellite and its challenges over last seven decades. The talk also focused on the advancements in satellite architecture globally covering high throughput satellite system, usage of high frequency bands (Q/V band) and flexibility in payload design. Finally presentations were made on basics of navigation satellite and related technology improvisation.



Participants including students, faculties and Researchers

*Dr. Soumyabrata Chakrabarty
Chair, IEEE-AP/MTT Joint Chapter, Gujarat Section*

IEEE MTT/AP Chapter, Queensland Section: Report on seven technical talks

The IEEE MTT/AP Queensland chapter was formed 11 years ago in 2002. Like other IEEE chapters around the world it aims to facilitate collaboration within industry and academia within the area of microwaves, electromagnetics, antennas and propagation. Queensland has a long and rich history of a Microwave/Antenna industry which started in the 1980s, with the development of the microwave technology development center, which eventually became a commercial entity called MITEC. Over the last few decades, the microwave industry evolved into the several companies that are present to date in Brisbane, Queensland.

This year, the Chapter organized seven technical talks, and had one administrative meeting. The first technical talk was given by A/Prof. Nemaï Karmakar from Monash University in Melbourne, Australia, on the 17th of January. In his talk entitled "Chipless RFID: Revolution in Identification in the New Millennium", he talked about how RFID can be made into a fully printable and low-cost solution, allowing it to be applied in many areas including low-cost item tagging.

On the 9 April, A/Prof. Dragan Indjin from the University of Leeds, United Kingdom presented a talk "Terahertz quantum cascade lasers: physics and challenges in design, growth and fabrication" which included the latest developments in terahertz lasers working towards commercial potential.

Later in April, Prof. Karu Esselle from Macquarie University in Sydney, Australia presented a talk on "The Use of Multiplicity in Antenna and Propagation Engineering for Wireless Communication" on the 26 April. In his talk he showed how the use of multiple elements allows for increased gain, frequency selective surfaces and other materials with interesting properties.

In May, we had two speakers in the area of computational electromagnetics. On the May 2, Dr. Fabio Freschi, from Politecnico di Torino, Torino, Italy, presented "The Cell Method for electrical engineering and Multiphysics problems", which showed how multiple equations could be linked such as multi-physics problems (temperature and electromagnetics) and even simple FDTD. We also had two talks by Dr. Andrew Seagar, from Griffith University, Gold Coast. He presented "Maxwell-Plus-Plus: Clifford's Approach to Electromagnetism" at both The University of Queensland and Griffith University, Nathan. He presented the forgotten work of Clifford (a student of Maxwell), and examined the advantages of applying Clifford's approach to electromagnetism.

Lastly, we had a talk by Mr. Emran Md Amin, from Monash University, Melbourne, Australia. His talk entitled "Chipless RFID Tag Sensor for Ubiquitous Environment Monitoring" showed how chip-less RFID tags could also be used for sensing of temperature, pressure, humidity, gas levels, by modifying the chip-less RFID structure.

Full detail on these events are listed on our website, <http://ewh.ieee.org/r10/queensland/v2/doku.php/chapters:mttap:start>



Prof. Karu Esselle

*Konstanty S. Bialkowski
Chair MTT/AP Queensland Chapter*

IEEE PES Chapter, Queensland Section: 2013 Travel Prize

In 2010, IEEE Queensland section PES chapter established a \$2000 annual travel prize for student members to attend and present their papers at the annual IEEE Power & Energy Society (PES) General Meeting conference for the period of 5 years from 2010 – 2014. This prize is administered by PES chapter of IEEE Queensland section. Details of the prize including eligibility, submission documents and selection criteria can be downloaded from the website of the Queensland PES chapter. Each year, applications should be submitted by 15th of April and prize winner is notified by 15th of May. Recipient of the award receives a \$2000 check in June and an IEEE certificate during the Award ceremony at IEEE Queensland Annual General meeting in December.

In 2013 PES chapter received 10 applications from the students of Queensland universities to attend and present papers at the 2013 IEEE PES General Meeting in Vancouver, BC, Canada. Mr. Houman Pezeshki (Queensland University of Technology) and Nadali Mahmoudi (University of Queensland) were the winners in 2013 (received \$1000 check each) for their papers titled "Impact of High PV Penetration on Distribution

Transformer Life Time” and “Developing a Scenario-Based Demand Response for Short-Term Decisions of Electricity Retailers”, respectively. Award winners will receive a certificate from IEEE Queensland section during the section Annual General Meeting.

For more information, please visit:

<http://ewh.ieee.org/r10/queensland/v2/doku.php/chapter:s:pes:start>



Mr. Houman Pezeshki (Left) receiving the \$1000 check from the PES chapter chair



Mr. Nadali Mahmoudi (Left) receiving the \$1000 check from the PES chapter chair

Dr. Mehdi Eghbal

Chair, IEEE Queensland PES Chapter

Guest Talk on “Soft Skills”

The WIE Affinity group of the IEEE GRIET SB had the opportunity of hosting a talk on “Soft Skills and Personality Development” on 8 April, 2013 from 3:00 pm to 4:00 pm at the Seminar hall 1 of Gokaraju Rangaraju Institute of Engineering and Technology. 70 students attended this guest talk.

The guest talk was taken up Mrs. Kavita Lal, currently working at Mahindra Satyam. Ma’am is a well-known personality and has given guest talks on personality building and leadership skills at various platforms mostly to students. She is also well-reputed for her sessions of soft skills and their importance in today’s world.

The targeted audience for this guest talk, hosted by the Women in Engineering AG was the girl students in their first year of engineering. This was done in order to build a strong foundation in the minds of the girl students right from their first year, so that they could, in the process of four years of their Engineering, work on improving their soft skills on par with their technical skills.

Ma’am mainly stressed on the importance of “Change” and “Adaption”. She explained how crucial it is for any person who wishes to excel in a professional environment to learn to “ADAPT TO CHANGE”. She then went on to quote that “At work, we shall all meet people with different ideas and sometimes these ideas may clash with ours. Such situations need to be dealt with etiquette and that is where soft skills come into picture.”

All the key points were then put together by Ma’am in a five letter word: DILSE. “D” stands for Discipline, which is a key factor in assessing one’s personality. Ma’am also included being able to trust people here, as trust is the base for any successful relationship. “I” is for Integrity, i.e. maintaining one’s honesty and loyalty towards an organization whatever the circumstances might be. “L” for learning ability, which basically means that a person should always be ready to learn anything new and always, keeps oneself upgraded with all the latest developments in the tech world. “S” is for stretch ability which requires a professional to be ready to meet the demands of the organization to the maximum extent possible. This however does not mean, overworking oneself. “E” is for enthusiasm, the urge to learn new things should be undying.



Ma'am, being felicitated by Dr. Y. Vijayalata , Branch Counselor, and Mr. Ram murthy ,Vice Principal, GRIET

Practice, in the words of the speaker is the best way to learn. At the close of the session, the speaker emphasized on the point that today's corporate world sees no difference between men and women and hence we should also stop doing that. She said that women are in every way capable of doing all that men can do and possibly even more. She advised us to learn to set our priorities right and always look at the bigger picture. On this note she concluded her talk.

*M.V. Sita Pavani,
WIE chair, IEEE GRIET SB*

Green Technology Entrepreneurial Model for Tribal development

Madras IEEE Women in Engineering has developed a special model to provide self-employment training to the Tribes in villages near Coimbatore and developing entrepreneurial skills among them so as to improve their socio economic conditions.

Some of the training programs proposed are paper bag, paper plate and cups Manufacturing, Coir Rope making, Mosquito coils manufacturing, Banana fiber products making, Organic Farming, handicrafts making etc for girls and ladies with less educational background, and computer and electrical appliances training for people with more educational qualifications.

As a first step, the Madras IEEE WIE along with KCT student branch in collaboration with the Ecogreen unit of Tamilnadu Agricultural University organized an awareness program in the government school at Kembanaickenpalayam to promote the uses of banana fibre which serves as a base for everything from making handbags to full fledged clothes. During the initial market study conducted by Madras IEEE WIE, it was found that though there is a very good market for the goods the supply does not match the demand. So a model was developed to bring the supply equivalent to demand. For this it was decided that the rural masses

can be reached through the school children. So the first programme was organized for the school children with their parents educating them with the design and development of various products using banana fibre.

The second phase was started as full fledged training programs for women and parents in two places. First project is Coir products making Training at Bodipalayam, a rural village 15km away from pollachi. The training was for 15 days with Mrs. Laila Trainer, Coir board, Govt. of India as trainer. 14 trainees attended and benefited from it.

Second project is two months long training program of Jute bag making at Pollachi with Ms. Roopini as project coordinator and Mrs. Sridevi, as the Trainer. 15 Tailors were trained on Jute bag making. Since the participants are already tailors, they simply grasp and learn quickly the jute bag making.

The trainees were very happy to attend the programmes, so that they can have supplement income during the off season periods and get a stable income throughout the year. This makes them face the future with more confidence and will definitely improve the quality of their lives. Madras IEEE Women in Engineering will keep track of the productivity and marketing of the products through their collaborating unit, Tamilnadu Agricultural University.



Trainer Laila watching over the attempts of trainees



Banana Fibre dolls

*Dr. Ramalatha Marimuthu
Chair, Madras IEEE Women in Engineering
IEEE Madras Section*

IEEE R10 Student Branches News and Highlights

Happy faces in the 2013 IEEE Murdoch University Student Branch Committee

While most Australian universities are trying hard to attract female students into their engineering and technology programs, a group of enthusiastic IEEE student members at Murdoch University, Perth Western Australia, have stepped forward to serve in the MUSB executive committee. Most of the committee members are studying for higher degrees in the Information Technology discipline and they come from different countries including Singapore, Iran, Malaysia and USA. While some of them have been in Perth for over 20 years, a few arrived just six months ago. They all share a common goal – to advance technology and to promote IEEE.

In their first activity, IEEE MUSB members actively promoted IEEE to the Murdoch University students during the Murdoch University Multicultural day on 28 March 2013. IEEE brochures and handouts were given out and they also prepared and sold cakes for fundraising. The day couldn't be more successful and the members as well as students were outstanding. IEEE MUSB hopes to be able to organize exciting activities in the future.

When asked why are they involved with IEEE MUSB and what do they want to achieve, their answers are: Because it has fun activities and by joining IEEE, I can widen my network of friends, I want to contribute something useful and also learn from my experience with IEEE MUSB, Because it is an active and successful group and I want to improve my CV and learn something new, To share our experiences, and to receive more up-to-date information about my field of study, For networking and resources, acknowledgement in the professional circle and publications.

Their advice to new students includes, there are a lot of benefits with IEEE on publications, subscriptions, magazines and conferences! Take the opportunity and join us, The world is getting smaller and we need to learn living and sharing together to make a better world, Be a member of IEEE because we'll have fun and study together, Let us join together and build our future.

Thank you ladies, we have a lot to learn from you all!



(Above L to R: Jamie Tang, MUSB SMCS Chapter Chair; Mehrnaz Akbari Roumani, MUSB Chair; Florence Mwagwabi, MUSB Committee Member; Nazanin Sabooniha MUSB Vice-Chair; SitiSalmiJamali, MUSB Treasurer; Adzira Husain, MUSB Secretary. Other members not in picture: Maryam Shahabi, Nurulhuda Ibrahim, and ZibaTehrani)

Lance C.C. Fung,
Student Counselor, IEEE Murdoch University Student Branch.

Talk on Career Guidance by Mr. Ranjith Rubasinghe

IEEE Student Chapter of University of Peradeniya organized a Career Guidance Talk on "Professional development, personal challenges and transferable skills" on 19th March 2013 in the Engineering Faculty premises under the guidance of the student branch counselor Dr. Maheshi Dissanayake.

The talk was conducted by Mr. Ranjith G. Rubasinghe who is the Chief Executive Officer at Sri Lanka Telecom Manpower Solutions, spearheading human asset management in Sri Lanka. The event was attended by faculty members and undergraduates where Mr. Rubasinghe enlightened them with the present developments and key facts about the job market and the role of an engineer. He expressed the importance of engineers' need to know their basics well and have a solid understanding of their role in the society. The necessity for engineers to improve their social skills and soft skills are of utmost importance than ever, he explained.

Mr. Rubasinghe also expressed that it is not after one's graduation and absorption into the industry, that one should begin his skills as a professional. The process has to start at school. Being an alumnus of Faculty of Engineering, University of Peradeniya himself, Mr. Rubasingha explained how his experiences like being the president of the Peradeniya Students' Union and other extra-curricular activities helped him hone his

leadership abilities. Commenting on the Interpersonal skills, Mr. Rubasinghe added that one can never be taught to how to interact with people as a subject. People has to get a certain degree of exposure to both personal and professional social networks and gain the ability to present themselves better and to collaborate, with others in various activities. He also emphasized the importance of utilizing technology as an ideal learning resource to build one's social circles, using not only physical networking but the on-line social networking tools as well.



Mr. Rubasinghe Addressing the gathering



The enthusiastic audiences at the guest talk

He further added that even though at that time he couldn't clearly see how all the experiences he had would have helped him in the future, gradually they became the very solutions for the challenges he faced later on in his career and life.

*Kasun Lokuliyana,
Vice President, IEEE Student Chapter,
University of Peradeniya*

IEEE SIGHT Madras Section: IEEE SIGHT Camp Orientation Program

IEEE SIGHT Madras Section has initiated "SIGHT Camp" with a vision to encourage students to take up humanitarian projects. The SIGHT camp provides opportunity for the students to come across the social problems and find solution for them. The Madras Section SIGHT team consists of Mr. Anand B (Chairman), Mr. Antony Venus A.J. (Vice Chairman), Mr. Arun Noel Victor (Secretary), Mr. Mukundhan S (coordinator), Ms. Madhuri Narayanan (coordinator) and other volunteers. A call for participation was sent across the Madras Section. The participants were shortlisted based on their interest.



The enthusiastic participants with the IEEE SIGHT Madras Section Team

On March 2, 2013 Orientation Session on SIGHT Camp was held in Easwari Engineering College. Mr. Mukundhan introduced the participants to SIGHT and need for humanitarian projects to resolve the issues of the downtrodden. Mr. Arun Noel Victor briefed about the structure of the SIGHT camp and its objectives. The participants formed teams under various disciplines like Power and energy, Health and Medicine and Education based on their field of interest. Mr. Anand enlightened the students on how to identify a social problem and find a technical solution for it. The participants had a discussion regarding their field of interests and shared their plans for humanitarian projects. The session was an eye opener on the Humanitarian cause.

*Salma Saithoon A.
Volunteer, IEEE SIGHT Madras Section*

*Arun Noel Victor,
Secretary, IEEE SIGHT Madras Section;*

IEEE SIGHT Camp: Humanitarian Field Work

The SIGHT Camp was initiated with a goal of providing technological solutions to social challenges prevailing in rural India. As a first step towards the goal, the participants of IEEE SIGHT Madras Section – SIGHT Camp set out to the field work on March 3rd, 2013.



Participant interacting with the children of the village under study

A village Oragadam near Chengelpet was identified for the field work where the humanitarian projects will be implemented later. The village has a population of 250 belongs to a Tribal community. The participants made a study on their life style along with their teams under their chosen disciplines. The participants analyzed various issues like sanitation, health, and power consumption through interaction with the locals. Following the visit the teams reported the issues and the data they have analyzed in the field work. The teams identified a social challenge of their choice and prepared a white paper on the project they would propose to solve the issues faced by the village inhabitants. The white papers were screened. 30 students from 13 institutions across Tamil Nadu participated in the Camp and have started working on Humanitarian Projects to bring changes in the lives of the target village. Thus, the SIGHT Camp will be a boon to the underprivileged village inhabitants.



The participants of SIGHT Camp Field Work with the missionary members at the village

*Compiled by:
Salma Saithoon A,
Volunteer, IEEE SIGHT Madras Section*

*Reviewed and Reported by:
Arun Noel Victor,
Secretary, IEEE SIGHT Madras Section*

IEEE SIGHT Madras Section: Solar Initiative: Solar Lamp Workshop

IEEE SIGHT Madras Section functions with a vision to Encourage and mentor students to work on humanitarian projects and papers, Impact the lives of millions through Social Innovations, Involve NGOs with Students to deliver sustainable technologies and to Inspire young minds to take up Humanitarian activities. IEEE SIGHT Madras Section has taken initiative to spread humanitarian technology among students by conducting a Solar Lamp Workshop on March 15, 2013 in SRM Easwari Engineering College.

The workshop was organized by Anand (Chairman), Antony Venus A.J. (Vice Chairman), Arun Noel Victor (secretary) along with Mukundan, Madhuri Narayanan, Salma Saithoon A, Nivedhitha R. Mr. Vinith Vijayaraghavan, CEO Panchabhutha, and Ramesh Rajesh, Co-founder Solarillion, rendered immense support to the event as the NGO partners. The objective of the workshop is to take the knowledge on solar power to the students and kindle their interest towards developing renewable energy projects. Ramesh Rajesh, Solarillion Co-Founder explained the mission of their initiative as to reach a Million people to get benefitted with SOLAR Energy.

The workshop was conducted in collaboration with IEEE Power and Energy Society and an NGO: The Solarillion Initiative. There were 115 enthusiastic participants from 10 institutions across the Madras Section. The workshop was held in four batches. The session started with an introduction about SIGHT and Solarillion Team, need for the solar energy. Mr. Ramesh

Rajesh elaborated about the goals of the Solarillion initiative. He explained their vision of reaching out to a million people through solar energy awareness programs.

Mr. Arun Noel Victor and Mr. Mukundhan delivered hands-on training to the participants on basic electronics and solar circuit design. They also enlightened the participants about the depletion of fossil fuels and kindled their interest towards renewable energy. Later the participants were grouped as teams of three and delivered solar kits. The participants were highly interactive. They eagerly took part in the hands-on training and designed & tested the solar circuits using the provided kit. The day concluded with an instruction session on Solar Lamp Design Contest which is to be held on 13th April 2013 following the workshop. The teams found the workshop to be an eye-opener and are in the process of designing their own solar lamp to compete in the Solar Lamp Design Contest.



Volunteers and Organizers of the Workshop

*Salma Saithoon A,
Volunteer, IEEE SIGHT Madras Section*

*Arun Noel Victor,
Secretary, IEEE SIGHT Madras Section*

Views expressed in articles published in this newsletter are those of author(s) and do not necessarily represent the views or official position of IEEE R10.

Seminar on “Evolution of Data: From Relational Data to Big Data”

A seminar on “Evolution of data: From Relational data to Big Data” was conducted by the IEEE GRIET SB. The seminar was taken up by Mr. Sudheer Marisetty and Mr. Bill Muller from Abacus Concepts.

The seminar aimed at introducing the students to the increasing importance of “Data” in today’s technological world and how this continuously multiplying data can be dealt with. The objective of this seminar was to affiliate the students to the idea of the amount of data they might have to deal with in the future.

First, Mr. Sudheer Marisetty opened the lecture with an interesting comparison of the amount of data that was produced and the way in which it was handled over the years. By means of an innovative graph, he told the gathering about how the data is continuously growing and how all our existing systems shall soon become dysfunctional as they shall soon become incapable of handling the amazing amounts of data being produced every year. To solve this problem, he said, big data is the best alternative.

He introduced the gathering to a data warehouse, which is a way of consolidating this immense volume of data produced and designing an application to extract required bits of data from it on the fly. To make the students understand this more clearly, Mr. Sudheer went on to quote an example from his work experience. It is of one of the software designed by Mr. Bill Muller for exactly the above purpose.

The speaker then went on talk more about the importance of big data. He clearly indicated the demarcation between the statistical data, that was solely based on historical analysis and the big data that looks into the future i.e. predictive analysis. Also today the size of the servers and databases has reduced considerably and their numbers increased. This is the best solution for handling the mammoth amounts of data modern world is producing. On this note Mr. Sudheer concluded his session and called upon Mr. Bill Muller to give the students the “Big Picture”.

Mr. Bill Muller, the second speaker for the seminar, had a very interesting perspective towards data. He told the students how the human brain deals with large amounts of data every day and subconsciously we all speak the language of data. He quoted interesting examples from Movies and Music to keep the interest levels of the students maintained. He spoke about how today selling a product, say a song, is not just limited to selling a CD. There are several other ways such as downloads etc. All this data has to be maintained for various business domains such as sales, promotions, distribution etc.

Mr. Bill also went on to talk about a very interesting concept, the KPI's or Key Performance Indicators. He explained to the audience how apart from the fixed KPI's, sometimes, unexpected events can lead to increase in sales of a product. Today's business world is hugely based on this concept.



Talk by: Mr. Bill Muller, ABACUS CONCEPTS

The seminar closed on the above note. There was a short query session after this, where in the students put forth any questions they had related to the subject of the seminar. The Speakers were then presented with mementoes. Overall the seminar was successful in introducing the students to the importance of big data in today's world.

*Vidhi Mittal
Secretary
IEEE GRIET SB*

Guest Lecture: Recent Trends in Electronics

The IEEE Student Branch of Sri Ramakrishna Engineering College organized a guest lecture on "Recent trends in Electronics" on 21st of April 2013 in IT Seminar Hall. The gathering is enriched with the words of Dr. C.P. Ravikumar, Technical Director of University Relations, Texas Instruments, Bangalore. The principal of the college Dr. N. R. Alamelu welcomed the gathering and introduced the chief guest. More than 100 students and faculty members of the college from various chapters attended the lecture.

The objective of the guest lecture is to establish a clear view on recent trends in Electronics and the more possible applications with the introduction of new hardware in the market. The words of the Engineer, Academician and Technician, Dr. C. P. Ravikumar presented the faculty members the perfect view on the new processors, advanced chipsets, controller boards and advanced sensors with their possible applications. The speaker explained his view with presentation slides and displayed new controller boards and processors to

the participants. He shared with the students and faculties information about "The National Level Analog Circuit Design Contest" to be organized by Texas Instruments on 2014. He finished his lecture with the words that made the audience inspired with the recent trends in electronics.

The program discoursed with the vote of thanks by Prof. K. Thinnapan, Head of the Department ECE.



Texas Instruments in SREC Campus

*K. Balamurugan,
Student Branch Counselor IEEE,
Sri Ramakrishna Engineering College,
Coimbatore.*

Careers Evening at CQUniversity Brisbane Campus

A Careers Evening was held on Wednesday 3rd April 2013 at CQUniversity Brisbane Campus, Queensland.

This event was organized under the leadership of IEEE Student Branch Counselor Dr. Mary Tom and ACS Young IT coordinator Martin Bevan-Jenkins, and conducted in assistance with Craig Macdonnell Training, Employment and Career Coaching Coordinator (TECC) of CQUniversity, Brisbane Campus. This event was attended by over 35 participants, including 20 Postgraduate Students, 15 Undergraduate students. The participants included students from other universities in Brisbane area such as Griffith University and Queensland University of Technology.

The event was opened by a welcome speech from the TECC coordinator, Craig Macdonnell who chaired the event. The event highlights include three speeches from industry experts and a discussion panel followed by social activity. The first speaker, Martin Bevan-Jenkins, Test Consultant, KJ-Ross & Associates provided a very informative and rich talk exploring the 'Landscape of industry demand: current and near future'. Vicki Moore, Project Manager, Department of Community Safety enlightened the audience with the need for 'Sustainable

skills for a very dynamic industry with evolving technology'. The third speaker Adrian Gee, Technical Manager, Schneider Electric shared his industry experience by delivering a speech on 'Graduate skills sought after by industry'.

The three speakers generously spent their time on a discussion panel exposing "What happens behind the closed doors?" which became the focus of the event. This discussion revealed the process of final selection of the candidate for a job. This was followed by many interesting questions from the audience.

One of the objectives of this event was to provide networking opportunity to the participants and this objective was achieved by the light refreshments provided at the conclusion.

*Dr. Mary Tom
Lecturer CQUniversity
Counselor, IEEE Student Branch CQUniversity Brisbane
Campus*

Seminar on Computational Intelligence

The official launch of the IEEE student branch at CQUniversity Brisbane Campus and the seminar on Computational Intelligence was held on Wednesday 27th February 2013 at CQUniversity Brisbane Campus, Queensland.

The event was opened by a welcome speech from the Campus Director, Trent McHenry, followed by the official launch of the IEEE Student Branch at Brisbane Campus by the branch counselor, Dr. Mary Tom. Prof. Vladimir Estivill-Castro from Griffith University presented the seminar titled "Computational Intelligence an Overview: Introduction, Applications, and Current Research Challenges" which was entertaining, engaging, and enthusing for the audience. Commencing with an introduction of jobs in Software Engineering, Prof. Estivill-Castro provided an overview of future robotics applications especially in the area of intelligent machines and assistive computing following user centered design. He engaged the audience with many short videos on robotic development and performance. The introduction with simple examples to different branches of computational intelligence educated novice listeners and he concluded with future research challenges.

The presentation lasted an hour following some interesting questions from the audience on the potential application of artificial intelligence in satellite communication and the constraints from computational speed. This event was attended by over 45 participants,

including 30 postgraduate students, 10 undergraduate students and most importantly the lecturers of CQUniversity, Brisbane Campus.

Vladimir Estivill-Castro is currently team leader of MI-PAL that participated in the RoboCup 2011, RoboCup 2012 and RoboCup2013 in the Standard Platform League using the Humanoid Robot Nao. RoboCup is a venue for displaying and sharing artificial intelligence and intelligent robotics research. Having expertise in the areas of algorithmic engineering, computational complexity, intelligent data analysis, privacy preserving data mining and knowledge discovery, the presentation was overarching many areas.

*Dr. Mary Tom
Lecturer CQUniversity
Counselor, IEEE Student Branch CQUniversity Brisbane
Campus*

Second Students Conference on Engineering and Systems

The IEEE Student Branch Motilal Nehru National Institute of Technology Allahabad has organized the 2nd Students' Conference on Engineering and Systems (SCES 2013) from April 12-14, 2013, at MNNIT Allahabad, India. The conference was technically sponsored by IEEE Uttar Pradesh Section and co-sponsored by IEEE Joint Societies Chapter of (IE/PEL/CS). The theme of the conference was "Inspiring Engineering and Systems for Sustainable Development".

A total of 310 papers have been received from different countries under the technical tracks, Electrical and Power, Electronics and Communication, Computing Technology and Intelligent Systems, Mechanical Systems and Mechatronics, and Applied Sciences. After review and acceptance, total 101 papers were registered in the ORAL sessions and 38 papers in the DIALOGUE sessions. Total 128 papers were presented in the 22-technical sessions.

The 3-day conference was inaugurated by Prof. N. Kumaravel, Head, ECE Dept., Anna University Chennai". Prof. P. Chakrabarti, Director MNNIT Allahabad delivered the plenary talk of the conference on the theme "Journey of Electronics from Vacuum Tubes to Carbon Nanotubes". Mr. Paulson Samuel, Conference Chair, delivered the welcome address and Prof. Vineeta Agrawal, Chairman Technical Committee, presented the technical report of the conference. Dr. Rajesh Gupta, the Organizing Chairman, gave the brief schedule of the conference and presented the vote-of-thanks. Mr. G. V. E. Satish Kumar SB Chairman coordinated the inaugural session.

Prof. N. Kumaravel delivered first keynote speech of the conference on the topic, “Medical Image Reconstruction”. Prof. R. K. Singh, Head EED, MNNIT Allahabad, delivered second keynote speech of the conference on the topic, “Electric Vehicle”.

Prof. S. N. Singh, IIT Kanpur, delivered the first keynote speech of the second day on the core theme of the conference entitled “Intelligent System Applications in Solving Engineering Problems”.

Prof. Y. N. Singh, IIT Kanpur, delivered keynote speech on the topic “Peer to Peer Live Streaming Systems Issues”.

Prof. S. Jit, IIT BHU Varanasi, delivered keynote talk of the third day on the topic, “Non-Classical CMOS Technology: An Overview”. Prof. R. Tripathi, Head ECED, MNNIT Allahabad delivered last keynote talk of the conference on the topic “Advancements in Networks”. A tutorial was presented in the Conference by Mr. Ankur Jain, M/S. National Instruments, on the topic, “Do Engineering using LabVIEW”.

Total six papers were honored with the Best Paper Award. The winning students belong to IIT Kanpur, BITS Pilani, NIT Rourkela, NIT Agartala and MNNIT Allahabad. Mr. Akbar Ahmad, SB Treasurer, conducted the award sessions.

Prof. R. K. Tripathi, Chairman Coordination committee coordinated the concluding session of the conference.



Prof. P. Chakrabarti, Director MNNIT honoring Chief Guest Prof. N. Kumaravel

*Dr. Rajesh Gupta
Organizing Chair
SCES 2013 & Faculty Counselor SB*

Seminar on IEEE Research Development Program Pakistan

A Seminar on IEEE Research Development Program was held on Wednesday, 17th April 2013 at Asadullah Kazi Auditorium, Isra University, Pakistan. This Seminar was organized by IEEE Isra Student Branch, Pakistan.

Prof. Dr. Asadullah Kazi, Chancellor, Prof. Dr. Ghulam Qadir Kazi, Vice Chancellor, Engr. Prof. Dr. Hameedullah Kazi, Pro Vice Chancellor, Engineering & Management Sciences, Prof. Dr. M. IqbalBhatti, Dean, FEST & FCEMS, Engr. Prof. Dr. M. RafiqAbro, Chairperson, Electrical Engineering Department, Faculty Members and a huge number of Students attended the Seminar.

This Seminar was the second event of the young IEEE Isra Student Branch. The Seminar started with the Welcome Address by Pirah Akber Nizamani, General Secretary of IEEE Isra Student Branch which was followed by the First Speaker, Mr. Adil Bhatti. Mr. Adil Bhatti spoke on Mobile Operating Systems & Application Development.



Prof. Dr. Asadullah Kazi, Chancellor, Isra University, Pakistan addressing the Participants



IEEE Isra Student Branch along with Prof. Dr. Asadullah Kazi (5th from Left, Top Row) Chancellor Isra University Pakistan and Prof. Dr. Hameedullah Kazi (4th from Left, Top Row) Head of Executive Committee IEEE Isra Student Branch and Pro-Vice Chancellor (Engineering & Management Sciences) and Engr. Saad Khan Baloch (3rd from Left, Top Row) Counselor IEEE Isra Student Branch

After Mr. Adil Bhatti it was the turn of Engr. Saqib Jamil, Speaker from Lahore, Founder & President of IEEE Research and Development Program, who elaborated on the vision and mission of IEEE RDPP and gave insight to the students about IEEE RDPP and how IEEE RDPP is sponsoring students with various destinations including NASA.

After his presentation an IEEE Isra Student Branch Flash Back Video was played which showed the recent history of the Branch.

Afterwards the third and the final speaker Mr. Mohammed Ali took the Center Stage and he stressed upon Microsoft and CISCO Certification Tracks.

The Concluding Remarks were given by Engr. Prof. Dr. Hameedullah Kazi, Pro Vice Chancellor, and Engineering & Management Sciences & Head of Executive Committee IEEE Isra Student Branch.

Prof. Dr. Asadullah Kazi, Chancellor, Isra University also addressed the participants and shared his views about the seminar.

The Vote of Thanks Speech was given by Engr. Saad Khan Baloch, Counselor IEEE Isra Student Branch. The Seminar concluded with Shields and Certificates Distribution among the Speakers and Organizers of IEEE Isra Student Branch.

*Saad Khan Baloch
Branch Counselor,
IEEE Isra Student Branch
Isra University, Hyderabad, Pakistan*

GOLD AFFINITY GROUP

IEEE GOLD South Australia: Quizzically IEEE

IEEE GOLD South Australia partnered with The University of Adelaide's student branch (known locally as EEESAU-Electrical and Electronic Engineering Society of Adelaide University) to hold the inaugural EEESAU/GOLD quiz night on the 23rd of May at The University of Adelaide. As this event was the first of its kind relating to the IEEE in South Australia, the previous experience of the GOLD chair, Anthony Milton, in running quiz nights as part of the University of Western Australia student branch years earlier proved invaluable insight and contributed to the great success of the event.

The event reached the capacity of the venue, with around 80 people in attendance. There were

undergraduate and postgraduate students from both University of Adelaide and University of South Australia present. The quiz was structured into 10 rounds of 10 questions, with each round having a theme. The round themes were as follows: general knowledge, current affairs, science, entertainment & the arts, audio visual, history, geography, sport, technology & games and a final bonus round that featured a random assortment of questions. There was an obligatory IEEE question in the technology & games round: "*What does IEEE stand for? EXACT spelling is required to get the point!*" which is good quiz question to ask as there is always debate on whether the 'Electronics' component in the name is plural or not (it is)!

There were also numerous mini-games and table games throughout the night to spice things up and give the markers time to mark answers. These mini-games and table games included a paper plane competition, a room-wide paper, scissors, rock competition, a word search competition, and a puzzle solving race. Individuals from the tables that came first and second at the end of the night were permitted to choose their winners prize from a pool of prizes, with those that came first having first pick, and those that came second, able to pick from the remaining prizes. Given that the quiz was an IEEE arranged event, it was only appropriate to have Raspberry Pis and Arduino Unos amongst the prizes. We ended up giving away all 8 of the Raspberry Pis on offer that night to prize winners!

A big thank must be extended to the University of Adelaide's student branch, in particular to those committee members that contributed significantly to the night including Terry, Nhi, Andrew and Ben. Also thanks to Nghia, Sree, and Simon for helping out on the night. We are already looking forward to continuing this new tradition next year, and getting the other student branches in South Australia (University of South Australia, Flinders University) involved!



Some of the happy prize winners on the night



Participants waiting for a question round to begin.

Anthony Milton
Chairperson, South Australia GOLD Affinity Group

IEEE GOLD New Zealand North: Humanitarian Technology Workshop

A first of its kind event, The IEEE NZN GOLD Affinity Group hosted a joint Humanitarian Technology Workshop with the Engineers without Borders (EWB) - Auckland Chapter on 24th November 2012. With a specific focus on reliable electricity, the half-day workshop developed participant knowledge, discussed and raised awareness on critical issues surrounding establishing reliable electricity supply to impoverished regions.



Attendees, volunteers and the Village Chiefs

However, discussions are **not** quite nearly enough! Our 18 participants split into teams and put their new gained knowledge and creative juices to the test; to help a fictional seaside village gain access to electricity. Guided on the broader topics to consider, the teams debated the merits of different options as they worked through different focus points: needs analysis, funding and operational considerations, appropriate technologies, conceptual design and risk assessment.

After the whole morning of hard work, the ‘Village Chiefs’ then judged each team as they presented their

energy solutions. We would like to thank Loreen Ozolins – a very active and senior IEEE member, and Dr. Nirmal Nair – Past Chair of the IEEE Power and Energy Society (New Zealand North), for representing the Village as their two Chiefs. The teams’ proposed solutions impressed the Village Chiefs, in both technical and practicality aspects.



Loreen Ozolins and Dr. Nirmal Nair guiding the interactive session

Following some brief prize giving, the Village Chiefs gave valuable feedback to the teams on their solutions, in both the technical, political and cultural aspects. On top of this, teamwork was also a judging point – reinforcing the idea that for real-life humanitarian projects, it is important to develop a culture of collaboration, partnership and ultimately ownership towards the end solution.

Josheel Pranal
Chair, IEEE New Zealand North GOLD
IEEE New Zealand North GOLD Affinity Group
In conjunction with the EWB Auckland Chapter:

Looking for more conference & events?

There are a lot of IEEE conferences to be organized in Region 10. Here is the step-by-step instruction to call up all the conferences and events:

1. Please visit the website:
<http://www.ieee.org/index.html>
2. Click on the tabs “Conferences and Events” on the top
3. Under “Search Conferences”, type in Region 10 Asia Pacific in Location field.
4. Narrow the search by selecting the date range.

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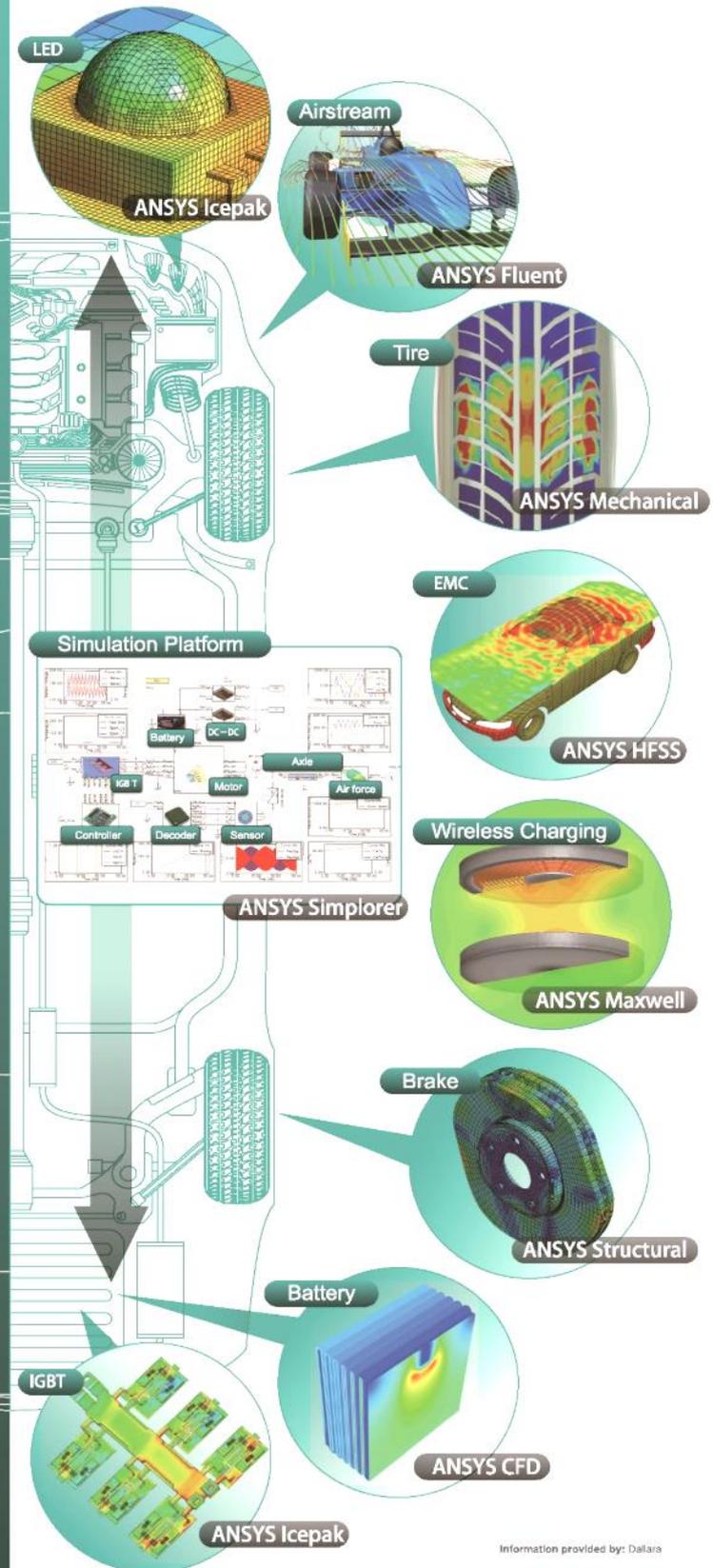
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