



Chairman's Message



Dear Members,

The general elections in the largest democracy in the world are over. We have a new government under the able leadership of Dr. Manmohan Singh. The turbulence over past few months in the politics subsiding and the political scene attaining a stable and steady state, it is the right time for the economy to rejuvenate under the direction and guidance of Dr. Manmohan Singh.

Resulting from a successful two year pilot program, IEEE Educational Activities has officially launched the IEEE Expert Now e-Learning Outreach Program (formerly the IEEE Expert Now Section-Chapter Pilot Program). The purpose of this program is to provide quality educational materials to enhance local IEEE educational activities and further support the value of IEEE Membership. The IEEE Expert Now e-Learning Outreach Program makes available high quality, peer-reviewed, online continuing education courses in a variety of subject areas to IEEE Members through their local organizational units, such as Regions, Sections, Chapters, or Student Branches. For more information about this program or to get started in planning your own IEEE Expert Now e-Learning Outreach Program event, please visit www.ieee.org/web/education/Expert_Now_IEEE/sc_program.html.

The first All India Student Branch Counselors' Congress is being organized by the Bangalore Section and India Council on 3-4 July. While many other congresses like Student, Women in Engineering, GOLD etc. are organized to bring together the groups from various parts of the country or regions this is the first congress which brings together the Branch Counselors together on a single platform for a training program and networking. We foresee a fruitful interaction and exchange of ideas and programmes among the branch counselors from all over India during these two days.

India Ad Hoc Committee is organizing an IEEE Conference on Technologies for Humanitarian Challenges on August 28 at Lalit Ashok Hotel Bangalore to showcase the technologies and products available to advance humanitarian causes as part of the vision of the Ad Hoc Committee to explore opportunities in India as a Model for IEEE's Global Growth.

The achievement of Jamia Millia Islamia, New Delhi and Fr. Conceicao Rodrigues College of Engineering, Bombay in winning the 2nd and 3rd prize in R10 Student branch website contest 2009 is laudable. It is a matter of pride for all of us that Prof. Dr. Lalit Kumar Goel, Dean of Admissions & Financial Aid, Nanyang Technological University (NTU), Singapore, has been selected for the PES Outstanding Power Engineering Educator Award. My heartiest congratulations to him!

With warm regards,

Kasi Rajgopal

Chairman, IEEE India Council
kasi.rajgopal@ieee.org

Bangalore
01 June '09

Congrats Dr. A K Saxena!

Dr A. K. Saxena, SMIEEE 41618427, Professor in Solid State Devices and VLSI Technology, Indian Institute of Technology, Roorkee has been elected Fellow and Chartered Physicist of Institute of Physics (London) and also as a Fellow of Institute of Engineering and Technology (UK). Congratulations!

E-mails: kumarfec@iitr.ernet.in, aksaxena1950@gmail.com

Results: Student website Contest 2009

The results of the R10 Student branch website contest 2009 are announced. Congratulations to the following winning student branches.

First Place: US\$ 500 & Certificate

The University of Western Australia, Australia <http://www.uwaieee.org>

Second Place: US\$ 350 & Certificate

Jamia Millia Islamia, New Delhi, India

<http://www.ieeejmi.com>

Third Place: US\$ 200 & Certificate

Fr. Conceicao Rodrigues College of Engineering, Bombay, India

<http://www.frccce.ac.in/IEEE/>

Best wishes to all the other Branches, better luck next time. Let me thank Om Perakash Batra RSR for all the help.

It is evident that we had a tough competition. A heartfelt 'thank you' to the judges who took time to judge the contest which had 6 criteria, with around 40 sub-criteria for judging.

Mini S. Thomas, R10 SAC Chair

CHANGE

- ◆ Nothing is permanent except change. Change is a continuing process, not an event.
- ◆ There is nothing wrong with change - if it's in the right direction.
- ◆ Why not accept change - go with it and commit yourself to a life of self improvement.
- ◆ When people recognize the need for change, they are most likely to support it.
- ◆ Success brings growth and growth means change.
- ◆ Life shrinks or expands in proportion to your courage to make changes.
- ◆ We must always change, renew and rejuvenate ourselves- otherwise we rot.
- ◆ To aim for perfection you will need to change often.

IEEE CODE OF ETHICS

We, the members of the IEEE, do hereby commit ourselves to the highest ethical and professional conduct and agree:

..... 6. to maintain and improve our technical competence and to undertake technological tasks for others only if qualified by training or experience, or after full disclosure of pertinent limitations;

Editorial Board

- | | |
|---------------------|---------------------|
| Prof. V K Damodaran | - Editor |
| N T Nair | - Member; Publisher |
| K Ramakrishna | - Member |
| S L N Murthy | - Member |

visit: http://www.ewh.ieee.org/r10/india_council

From India Council Secretary



Dear Members,

Greetings from India Council! We are going through the 125th year of IEEE and hope that all are actively participating in the celebrations organized by the vibrant Indian Sections. A reminder to one and all is that half year membership benefit of IEEE would end by 15th August 2009. Hence, I request everyone to take this opportunity and get new members

enrolled in all Sections. For your information, the IEEE Communication Society has also offered free membership for the year 2009 to those who enroll as new member of IEEE through this half year membership campaign.

I hope all the Sections are busy in organizing technical events in various fields. In this context, I wish to remind you that if interests of 2 to 3 Sections coincide we can also invite the eminent speakers under the Distinguished Lecturer Tour (DLT) Program. India Council will help in coordinating and getting the speakers under the DLT program. It is also requested that the Society Chapters formed under India Council may increase their activities and give coverage of the same through India Council Newsletter which enables overall growth of All India Membership.

For the benefit of Student Branches and the Student Branch Counselors, it is already announced that a National Congress is being organized by IEEE India Council and IEEE Bangalore Section on 3rd and 4th July, 2009 at Bangalore. For details, please contact saijgk@gmail.com. I request all the Student Branch Counselors to take this opportunity and get free registration for the Congress which includes talks from eminent speakers. You may be aware that the INDICON 2009 is being organized by Gujarat Section in December 2009 and the details are available at <http://ewh.ieee.org/r10/gujarat/indicon2009>. Being the only big conference of India Council organized by the Section, you are all requested to actively participate in this conference and make it a grand success.

With all Best Wishes,

K RAMAKRISHNA
Secretary

Email: kramakrishna@ieee.org

PROF. V K DAMODARAN ELECTED DG OF INGCORE

Prof. V. K. Damodaran, Editor of IEEE India Info has been elected as the Director General of the newly established NGO "International Non Governmental Cooperation Organization for Renewable Energy" (INGCORE for short) for a 5 - year term from June 2009. Renewable Energy practitioners from over 12 countries who assembled in the historic city of Changsha in China from 2009 June 1-4, elected Prof. Tong Jiandong as Chairman of a 11 member GB representing all the continents of the world.. INGCORE will have its headquarters office in India with an Executive office in China too. Prof. C C Chan of Hongkong University (earlier Chairman of Beijing Section of IEEE is one of the Advisors).

Events Ahead

Technology, Humanity and Sustainability: IEEE's Focus on India 28 August 2009

A full-day meeting on the application of technologies for addressing societal challenges is planned. The major focus will be on the challenges faced in the Indian Sub-continent, including but not limited to health care, education, agriculture, rural connectivity, disaster management, and energy. The meeting will cover the use of electrical and electronics engineering, computer engineering and science, information and communications technologies, and related disciplines to such challenges.

Attendees are invited from relevant humanitarian activities and technical disciplines. Included are those who are interested in the focus of the conference, including representatives of humanitarian organizations, industry, academic institutions, government, non-government organizations, professional societies and associations, foundations, and humanitarian funding organizations.

Tentative Speakers:

Dr. Lewis M. Terman, 2008 Past President, IEEE

Dr. Richard Gowen, President, IEEE Foundation

Registration: There is no registration fee for attending or participating in this conference. But seats are limited.

Ashok Hotel, Bangalore (India)

Sponsored by:

IEEE Foundation, IEEE India Council, IEEE Humanitarian Technology Network, IEEE - Fostering Technological Innovation and Excellence for the Benefit of Humanity

Celebrating 125 Years of Engineering the Future. www.ieee125.org will precede a day celebration on August 29, 2009, of the 125

Attendees of the conference are invited to attend the anniversary celebration also.

Conference website: <http://ewh.ieee.org/r10/gujarat/htcon/>

Send your manuscript and registration form to: ieeetc@daict.ac.in

125 years celeb at Kharagpur

IEEE HIT Student Branch in association with IEEE Kharagpur Section is going to celebrate the 125 glorious years of IEEE. Contests, guest lectures are going to be organized in the celebration. The registration for the contests starts on 14th May. The event details are

Circuit Design

A circuit design contest for the students of Electrical, Electronics and Instrumentation related branches (not limited to) will be organized. Circuits designed and prepared to meet a specified objective will be evaluated based on overall performance and effectiveness before the experts.

A group of maximum of four students is allowed to participate.

For More Details Contact : Kunal Ranjan (email: kunal.hit06@ieee.org)

Model Design

A model presentation contest for the students of Electrical, Electronics, Instrumentation, Mechanical/production related branches (not limited to) will be organized. Participants should present a working model along with proper description of its working principles and its utility.

A group of maximum of four students is allowed to participate.

For More Details Contact : Nikhil Sinha (email: nikhil.sinha@ieee.org)

A lie has speed, but truth has endurance — Edgar J. Mohn

Programming Contest

A technical programming contest for the students of Computer Science and IT related branches (not limited to) will be organized. There will be a preliminary round and the students selected in this round will be given a certain time to solve a given problem.

A group of maximum of two students is allowed to participate.

For More Details Contact: Nitish Tiwari (email: tiwari.nitish@ieee.org)

Technical Paper Presentation

A call for participation will be made and papers on selected topics will be reviewed by the experts. Certificates and prizes will be awarded to the three top ranked papers. The winner authors of the Technical Paper Writing Competition will present the best three papers.

A group of maximum of three students is allowed to participate.

Send your papers to ieeehitsb@gmail.com.

Please register before sending your papers. Papers received without registration will not be accepted.

Last date for sending papers is 14th August, 2009.

Paper should be of IEEE standard format (6 pages).

For More Details Contact: Naren (email: naren97@gmail.com)

Areas of Application

Embedded Systems, Networking, D.S.P, Automatic Control, Wireless and Telecom, Security Systems, Automation, Simulation, Consumer Electronics, Energy and Environment, Health and Biomedical, Aerospace.

ARTCom 2009

International Conference on Advances in Recent Technologies in Communication and Computing 27-28 October 2009, Kottayam, Kerala, India

ARTCom 2009 is an ACEEE's annual world congress on Engineering and Technology, and aims at bringing together the Researchers, Scientists, Engineers, Scholars and students in all areas of Computer Science, Electrical, Electronics, Communication, Engineering and Technology, and provides an international forum for the dissemination of original research results, new ideas and practical development experiences which concentrate on both theory and practices.

For more details contact: **Prof. P M Thankachan**, Organising Chair, ARTCom 2009, Email: artcom.chair@gmail.com, http://www.icartcom.com/

R10 DISTINGUISHED LARGE AND SMALL SECTION AWARDS 2008

IEEE R10 Awards & Recognition Committee has selected Kharagpur Section as the 2008 R10 Distinguished Small Section.

Taipei Section is the Distinguished Large Section.

The selection of the two Awards is based on the performance summarized in the 2008 Annual Report submitted by R10 Sections. Award certificate will be presented to these winning sections at the 2010 R10 annual meeting to be held early next year. Taipei and Kharagpur Sections have also been nominated from R10 to participate in the MGA Outstanding Large and Small Section Awards Program.

Reported by: *Takatoshi Minami*, 2009 IEEE R10 Awards & Recognition Committee Chair.

Congratulations to Kharagpur and Taipei Sections!

- IEEE India Council

Student Branch Counselor Congress 3 - 4 July 2009 Bangalore

IEEE India Council and IEEE Bangalore Section (IBS) are organizing "All India IEEE Student Branch Counselor Congress" on 3rd - 4th July, 2009, at Bangalore. The accommodation, breakfast, lunch and dinner will be provided by organizers without any charges.

Venue for the All India IEEE Student Branch Counselor Congress and Accommodation:

New Horizon College of Engineering, Panathur Post, Outer Ring Road, Near Marathahali, Bangalore - 560 087

Kindly confirm participation over email to Dr. Debabrata Das (ddas@iitb.ac.in). For out station participants (whoever is interested for accommodation) please write to Dr. Sainarayanan (sai.jgk@gmail.com).

IEEE Bangalore Section Executive Member, IEEE All India Branch Counselor's Congress Organizing Committee.

INDICON 2009

First Call for Papers

INDICON has been the most prestigious conference conceptualized by IEEE India Council in the field of Computer Science and Engineering, Electrical Engineering & Electronics and Communication Engineering, in general. This conference was earlier organized with the name of Annual Conference and Exhibition (ACE). It was later renamed as INDICON in 2004 when it was organized by IEEE Kharagpur Section at IIT Kharagpur.

Important Dates

★Paper Submission: 15 July - 31 Aug, 2009 ★Notification of Acceptance: 15 Oct, 2009 ★Camera ready Paper: 1 Nov, 2009 ★Registration: 1st Nov - 30 Nov, 2009 ★Tutorial: 18 Dec, 2009 ★Conference: 19 - 20 Dec, 2009

Program Highlights

★Tutorials (4 parallel sessions): 18 Dec 2009 (Tutorial tracks will be announced shortly on the website) ★Paper Presentation: 19 - 20 Dec 2009
★ Product Exhibition: 18 - 20 Dec 2009

TECH NEWS

Personal Energy Generator

By Harvesting Kinetic Energy

A kinetic energy-based charger called the nPower PEG (Personal Energy Generator) has been created by Tremont Electric, which can immediately convert kinetic energy to electricity and feed it to the gadgets instead of storing the energy and then charging.

The PEG can charge the average portable device up to 80 percent with an hour's worth of movement. What's better is that you don't need to strap the PEG onto yourself to harness the kinetic energy. It can be placed in your backpack or purse or strapped to your bike and derive the same energy. You can even use it while standing on the subway or bus.

The device weighs 9 ounces and is 9 inches long by 1.5 inches in diameter. To use it, you simply plug your phone, MP3 player or other device directly into the PEG via USB cable and start moving.

Tremont claims that if everyone with portable devices used the PEG for an hour every day instead of plugging into the grid, enough energy would be saved to power 21,000 households for a year.

[Source : CNET]

A man does what he must - in spite of personal consequences, in spite of obstacles and dangers and pressures - and that is the basis of all human morality - John F. Kennedy

Shrinking Economy Base; Expanding Technology Horizon!



2009 opened itself as a challenging year for economies developed as well as expanding. We have a shrinking base as far as economy is concerned and so many technological marvels that were conceived and pursued are now in cold storage; it is indeed a pity. Exactly at a moment in the history when expanding technology horizon has unveiled several opportunities that were unthinkable in the past, you find there is not enough money to pursue them.

Yet almost half year into this economic quagmire, we find developing economies like India and China are showing lesser fatigue than what strain the so called well developed economies of the west are experiencing. The imbalance in the responses has something to do with the ingenuity and economic resilience the economy of India or for that matter of China. Both these countries are steering itself into a course of committing themselves to more into renewable energy, energy efficiency and more important into energy security aspects. Both the countries are currently largely led by professionals, and taking homebred technologies seriously for pursuing further.

The promise for the future lies here. This is the time we engineers have to show ingenuity and seize the opportunity to leapfrog into the future. The announcements related to several technical meets and deliberations slated for the rest of the current year and beyond are, if anything, indications that we at IEEE India are taking this challenge seriously. An year or two ahead. Let us hope, we can say: Yes, we did it!

Trivandrum
10 June 2009

V K Damodaran
Editor
vkd@ieee.org

Every innovation begins with a thought.

ThinkLABS is an educational training and product company in the field of robotics & embedded systems incubated at SINE, IIT Mumbai. With strong R&D focus and technical backing we have reached out to over 18,000 students in 35 cities across India by providing them resources through a wide variety of development boards, sensors, robotic kits, software-based resources, basic and advanced level training sessions.

INTRODUCING 2 MONTH INTENSIVE COURSE IN EMBEDDED & REAL TIME SYSTEMS PROGRAMMING

A 150 HOURS PRACTICAL TRAINING COURSE DEVELOPED AT SINE, IIT BOMBAY

Embedded systems and programming throws up immense career opportunities in the Telecom, Automotive, Engineering, Electronics and IT sectors. The course emphasises on practical implementation in embedded environments in lieu of desktop appreciating the complexities and challenges in an embedded product life cycle.

Course curriculum:

•Fundamentals of Embedded Systems •Embedded C Programming •Exploring controller specific features under Embedded C •RTOS porting and application development •Industry defined project work

Top embedded companies already signed up to interview

and recruit our students -Texas Instruments •Tata Power SED •RayTech Designs •Gloabtel •Embedio
Software Workshop.net •Embedio



Enrolment examination: Every Saturday at IIT Bombay. Fresh Batches: 1st of every month
FOR COURSE DETAILS e-mail us at register@triindia.co.in or call at +91 22 25720700

www.thinklabs.in

To

IEEE India Info
JUNE 2009

Rs.4/-

RNI No. KERENG/2006/17872
Regd. No. KL/TV(S)/319/2009-11
Licenced to post without prepayment
At TVM RMS on 15th and 16th of
every month for the years 2009-11
KL/TVM (S) /WPP/71-2009-11

If undelivered, please return to:

N.T. Nair, 186, PTP Nagar, Trivandrum 695 038, India.