



IEEE THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC

Chairman's Message



Friends,

Many parents boast that they have made their son or daughter an engineer or doctor. *Fair enough!* But, quite often they are blissfully unaware of the fact that it is the common man on the street who really helped them to become a professional, through the taxes he paid. The fee one pays in a govt. educational institution doesn't cover even a small percentage of the expenses in running the institution. The government's

subsidies to higher educational institutions are pretty high – nearly Rs.1.5 lakh per year for an IIT student and Rs. 3.5 lakh for every IIM student! This puts the professional deeply indebted to the society which helped him to be what he is. And this debt has to be paid back to the society as services, which is often conveniently forgotten by both the parent and the student.

Back to IEEE matters, we returned from the venue of INDICON at Bangalore, with the memories of a well organized event. The credit goes to the team of dedicated IEEEians from Bangalore section under the seminal leadership of Sri A K Tripathy, General Chair, with a single aim – to be part of one of the memorable INDICONs of IEEE India Council. They did achieve it and let us compliment them profusely.

The M V Chauhan Student Paper Contest, was conducted by Dr Suresh Chander Pal, MDC, IC, with meticulous attention to detail. The winners, Mr.N. Prabhakaran of Sona College of Technology, Salem,(First prize), Mr. Abhirup Lahiri and Asish Gupta of Netaji Subhas Institute of Technology, New Delhi(Second) and Mr. Subananda Hansda, Mr. M. Kundu and Mr. P. Venkateswaran of Jadavpur University, Kolkata (Third), through their final presentations assured us that they are arriving to take over the affairs in the coming years. Kudos to all participants of the contest (Winners and Losers, both) and their guides, for motivating them.

IEEE Gujarat Section is hectically working to conduct the All India Student Congress 2007 in style. I appeal to all sections to support them with maximum participation of students from the chapters under them.

Mr R. Muralidharan, former Chair of India Council, is a candidate for the position as a member of Board of Governors of IEEE Computer Society. India has over 2000 Computer Society Chapter members, who would have received the ballots by now. Let us cast our votes before 2 Oct.'07, either electronically or by posting early.

With best wishes to all

Trivandrum
10 September '07

N.T. Nair
Chairman, IEEE India Council
ntnair@ieee.org

Janina Mazierska, IEEE R 10 Director (2007-08) writes:

Dear Fellow IEEE Members in Asia Pacific,

You have put trust in me and elected me an IEEE Director of our Region 10 to make the IEEE vision more real in the Asia Pacific Region. Now I need to you to act in order that we can get better access to IEEE technical publications, conferences and members benefits. As you will read in our R10 September Newsletter (<http://ewh.ieee.org/reg/10/>) only 2 out of 31 Directors are from outside the Americas (23 are from USA, 4 from Canada and 2 from South America). In order for our motions to receive a better support during the BoD meetings we need to be more visible! Hence it is very important that all IEEE members in Asia Pacific vote.

Only 15% of us voted in the past elections and as a result we are perceived as a force of 10,000 only, and not 67,000. This makes it difficult to succeed when proposing motions benefiting our Region!

In order to be treated as a Region with 67,000 members, we need all members, including postgraduate students to vote. Voting is easy - you can do it electronically at <https://www.directvote.net/ieee/> or by post.

Now it is election time again. I would like everyone of you to vote in the Presidential Election to show that we matter. There are 3 excellent candidates for the IEEE President for 2009: Pedro Ray, Marc Apter and John Vig. The first two have significant experience in Regional Activities, and the third in Technical Activities. I recommend that you visit the Website (www.ieee.org/elections.) to read about these candidates and select the one you think is the best. **What is really important is that you vote.**

Dates Changed

The paper submission site for the 2008 IEEE PES General Meeting in Pittsburg, PA USA will now open on November 1, 2007 and close on November 30, 2007. The site will be a link accessible from the PES home page www.ieee.org/power. Please submit your paper early to allow sufficient time for the review process. Visit the PES home page at www.ieee.org/power for additional details and an updated Call for Papers.

Editorial Board

Prof. V. K. Damodaran	Editor
Er. J. Muraleemohan Lal	Member
Er. K. G. Satheesh Kumar	Member

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

'One who understands much, displays a greater simplicity of character than one who understands little.' - Alexander Chase

From India Council Secretary



The IEEE India Council's flagship event, INDICON 2007 has just concluded in Bangalore. Thanks to the efforts of the Bangalore Section and the various committees put together by the section, the event has turned out to be enormously beneficial to all participants. The contributions made by Mr. AK Tripathy, Mr. H. Ramakrishna, Mr. D. Rajagopal, Mr. K Ramakrishna, Dr. MH Kori, Wg. Com. HR Parthasarathy, Mr. Babu Narayanan, the members of the Execom of Bangalore Section and other volunteers have been instrumental to the success of Indicon. As Secretary-IC, it shall be my honour and privilege to thank and congratulate them all on behalf of all IEEE members in the country.

We now look forward to the biggest annual event for students, the All India Students Congress in Ahmedabad, hosted by the Gujarat Section. I would request all section Student Activity Chairs (SACs) to extend maximum support to the AISC and to ensure good participation from the student branches under the respective sections.

Next year, we are going to have a terrific time with a host of very important events in India. Region 10 conference is going to be in Gujarat and TENCON in Hyderabad. INDICON 2008 will be held in IIT, Kanpur, organised by the UP section.

In the run-up to these events, India Council would like to update the contact details of IEEE members in India. May I request all IEEE members in the country to send their contact details - Name, address, telephones and e-mail address - to ieeeindia@gmail.com.

Cheers!

K G Satheesh Kumar

Secretary, India Council, IEEE

Women in Engineering On Emerging Technologies

IEEE WIE Calcutta Section organized a two-day National Symposium at West Bengal University of Technology, Kolkata, from 29 to 30 June '07, in association with IEEE Calcutta Section and WBUT.

WIE were honoured with the presence of Prof. Debesh Das, Minister-in-Charge of IT, Govt. of WB, Prof. S. K. Sanyal, VC, Jadavpur University, Prof. A. R. Thakur, VC, WBUT, Mr. Debanjan Dutta, MD & CEO of Webel and Prof. Salil K. Sanyal, Chair, IEEE Calcutta Section at the inaugural session. Dr. Gargi Keeni, General Chair, WIE-NSET- 2007, talked about WIE-NSET.

For details please visit the IEEE WIE website:
<http://ewh.ieee.org/r10/calcutta/WIE/>

Student Branches

Useful tips from H. Kalyanasundaram, Veteran IEEE Member

- Transfer of HQ rebate to Student Branch is in relation to the number of student members, irrespective whether they are covered by a Branch or not and is not directly related to the number of branches.
- Grants by Sections are to be based on activities, bearing in mind their membership strength and not just on strength.
- The Region specifically gives an one time grant of \$100 for new Branch as startup fund and in addition, an yearly rebate of \$1 per student as on rolls of 31 Dec, prior year.
- Establish student nodes in different geographical areas where from a Senior Counsellor from Section will guide activities of a number of Branches in the area. Sections can immediately plan this.
- India Council, with the support of Sections, to put in place a Central entity to monitor and guide Branches and give Sections further administrative support.
- Members are to be encouraged to come forward to support student branches, especially in their Alma-Mater.

Technotrix 07 - Student Project Contest

Organized by Kumaraguru College of Technology, Coimbatore

The IEEE Student Chapter and the Association of Electrical and Electronics Engineering of Kumaraguru College of Technology jointly organized a student project contest "Technotrix - 07" on 18.8.'07, in conjunction with the IEEE-KCT students chapter inauguration. Altogether 28 projects were selected for display and demonstration. The project 'PWM control of DC motor using C++' from Sona College of Engineering & Technology, Salem won the first prize. The projects 'Computer controlled battery car' and 'DC motor speed control using PWM', both from Kumaraguru College of Technology won the second and third prizes respectively.

Reported by:

Prof K Reghupathy Subramanian,

Counsellor, IEEE-KCT Student Chapter

Congratulations

Dr. R. G. Gupta!

Dr. Ram Gopal Gupta, veteran IEEEian, has been awarded a Certificate of Appreciation for distinguished service, in recognition of valued services & contributions to the IEEE ComSoc's India RoadShow 2007 (25 February – 2 March 2007) by the IEEE Communications Society Board of Directors, chaired by its President Mr. Nim Cheung.

IEEE India Council on behalf of all the members, congratulate Dr. R G Gupta and wish to have his dedicated service to IEEE in future to continue with renewed vigour.

'One of the true tests of leadership is the ability to recognize a problem before it becomes an emergency.' - Arnold Glasow

INDICON 2007 - A Report**Inaugural Function**

L to R: N.T. Nair, H. Ramakrishna, Dr. S. Sadagopan, Dr. P.C.S Krishnayya, A.K.Tripathy

INDICON 2007 International Conference and Exhibition was definitely the proud highlight of 2007 for IEEE Bangalore Section. Organized by the Bangalore Section jointly with IEEE India Council, with the theme "Advances in Electrical, Electronics, Communication and Information Technology," the Conference including Tutorials and Exhibition was held during Sept. 6-8, '07 at Central Power Research Institute, Bangalore. The 16th Annual Symposium of the Section was also clubbed with INDICON.

This Conference, campaigned for by the Section Executive Committee had undergone an elaborate planning and action for nearly one year and concluded successfully. Behind the scene was a lot of dedicated efforts by the INDICON Committee Members, under the able leadership of IEEE Section Chair, Shri A.K. Tripathy, (Director General of CPRI), as General Chair and a host of other committee members and volunteers. The Conference took off well with excellent team work rendered by various Committee Chairs. Dr. Surendra Pal, Shri H. Ramakrishna, Dr. M.H. Kori, Shri K. Ramakrishna, Wg. Commander H.R. Parthasarathy, Shri M.M. Babu Narayanan, Convenor Shri D. Rajagopal, the Section EXECOM and other volunteers including paper reviewers, technical program committee members, patrons, advisors, secretaries and others played key roles. The Section wishes to thank one and all who contributed to the Conference's great success. Section also profoundly thanks CPRI, POWERGRID, L&T, Nokia Siemens Networks and others for supporting the conference in many ways.

The Inaugural Function of the Conference was held on Sept. 6th evening and was a well attended event, with dignitaries, senior IEEE persons, the press and TV media in attendance. The conference was presided over by Dr. P.C.S. Krishnayya, Life Fellow of IEEE, who also released the Souvenir of the Conference Proceedings. The inaugural key note address was delivered by Prof. S. Sadagopan, Director of IIIT, Bangalore.

Dr.S.Sadagopan, in his keynote address emphasized the need for software engineers to understand engineering and work for the growth of technology rather than getting caught in algorithms. He quoted instances of reputed IT companies doing excellent work in the field of energy and promoting innovative engineering work.

Dr.P C S Krishnayya in his presidential address highlighted the need of indigenous R&D and urged that the country should spend more on

R&D. He appreciated the contribution made by the youth of the country in promoting technology.

Both Dr. Krishnayya and Dr. Sadagopan explained the noble role played by IEEE in promoting technical awareness.

Mr. N T Nair, Chair, India Council, emphasized the role of IEEE in keeping the members constantly updated, in this era of high technical obsolescence, especially with disruptive technologies in action.

The Conference was well attended by over 175 delegates from all over India. With the wide spread theme of the Conference, INDICON brought in excellent response in terms of paper submissions and tutorial proposals. The Technical Committee led by Dr. M.H. Kori, Director, Alcatel-Lucent, handled the onerous job of evaluating the 279 abstracts/papers submitted in the various disciplines within the limited time and selected 102 papers to be presented in three parallel technical sessions spread over 2 days and another 16 papers for poster presentation. Similarly, there were 3 tutorial sessions, two of which were also co-sponsored by PES chapter chosen to be held on 6th Sep.'07. Two plenary talks and five invited talks were also arranged during the conference by eminent speakers. There were 6 stalls represented by POWERGRID, CPRI, L&T, PRDC, IETE and IEEE. The first three prize winning papers of M.V. Chauhan

**Winners of M.V Chauhan Contest with Office Bearers**

Student Paper Contest were also presented at the Conference and the certificates were given at the inaugural function.

On the evening of September 7th, a conference dinner banquet was hosted at CPRI along with an excellent cultural programme.

M/s. POWERGRID has the honour of being a diamond Sponsor while M/s. Larsen and Tubro had been a Silver Sponsor for the Conference. Full details of INDICON 2007 along with photos, full technical programme and various committees are disseminated to all members through Section Website(www.ieee.org/bangalore).

The next INDICON event scheduled in 2008 is being hosted by IEEE UP section jointly with IIT, Kanpur during December 2008 at IIT Kanpur with Dr. S.C. Srivastava, Dean-R&D, IIT, Kanpur as General Chair.

Bangalore
09.09.2007

K. Ramakrishna
Chairman, Org. Committee

"The seat of knowledge is in the head, of wisdom, in the heart" - William Hazlitt

Editorial



What is the Other Half doing?

Men in India always talk about the "better half" – the women. Whether in politics, governance or in profession, pretty little is being done to see that women are enabled to use effectively, their intelligence, expertise, and productivity and more so, more profitably for national development. While most rural women in developing countries, including large areas in India, are yet to assume anything of that sort even in the post independence era, the urban scene is still wanting. Even those who are educated and employed gainfully have stories on lack of emancipation. This is where the activities of 'Women In Engineering' Group assume importance for the real empowerment of women through elimination of discrimination in important professions. [See Report on WIE Conference in Kolkata, elsewhere in this issue]. We can easily see that, WIE in isolation cannot achieve anything substantially on a national scale. The other groups and other activities of IEEE need to be integrated to achieve this objective within a reasonable period. Could the Sections and Branches evolve draft strategies and policies that the governments and establishments in the country should adopt and implement in this direction, so that they could be sharpened and taken up by the India Council? Views of readers are welcome on this vital issue.

Regards,

Trivandrum
01 September 2007

Prof. V. K. Damodaran, Editor
vkd@ieee.org

Technology Snippets

Bluetooth- A Tool for Theft!

The popular short range wireless technology, Bluetooth, omnipresent now in laptops, mobiles, PDAs etc. for easy swapping of files, is now being used by hi-tech thieves to steal equipment hidden in cars. They use Bluetooth-equipped mobile phones to detect laptops, satellite navigation systems etc., hidden under car seats or in boots, and steal them. What is most likely is that if somebody leaves a laptop in their vehicle, even if it is well hidden, but in stand-by mode, somebody with Bluetooth on their mobile phone will be able to detect the presence of that laptop.

Student Counsellor's Meet at Mumbai.

Prof. M. M. Shah, Member, Technical Activities, R10, writes:

The Region 10 of IEEE has agreed to conduct a meeting during 2- 4, Nov. '07 at Sardar Patel Institute of Technology, Andheri (W), Mumbai for counsellors from India Western Region, consisting of Bombay and Gujarat Sections and possibly from one or two neighbouring Sections (limited due to paucity of funds)

The current counsellors who wish to attend this meeting, may please write to gharpureprachi@hotmail.com and mmshah@yahoo.com with a demand draft of Rs. 100/- payable to 'Sardar Patel Institute of Technology' at Mumbai.

AGM of IEEE India Council

The Annual General Meeting of IEEE India Council was conducted on 6 Sep.'07 at the venue of INDICON 2007 at 7 p.m. The minutes are being put up in the website of IC

K G Satheeshkumar
Secretary, IC

Mentors & Best Counsellors - Submission date extended

Dr. Mini S Thomas, R 10 Student Activities Chair, informs that the submission date for Alumini meet proposal and outstanding branch counsellor award (R 10 level) nominations, has been extended up to 30th September 2007

Council & Section Chairs, SAC Chairs, Branch Counsellors and student volunteers may please note.

To

IEEE India Info
SEPTEMBER 2007

Rs.4/-

RNI No. KERENG/2006/17872
Regd. No. KL/TV(S)/319/2006-2008
Licence No. Tech/62-2/2006
Licenced to post without prepayment
At TVM RMS on 15th and 16th of
every month for the years 2006-2008

If undelivered, please return to:

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