

## IEEE THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC

### Chairman's Message



Fellow members,

The recently concluded IEEE Region 10 meet at Kota Kinabalu, Malaysia, probably could be seen as a new awakening for IEEE movement in Asia-Pacific region. The discussions were indicative of vibrant IEEE activities in all sections under Reg.10. Ms Janina Mazierska, R10 Director and Prof. M. Khalid, R10 Secretary, set an excellent stage for interactions.

What was specifically notable on this occasion was the Chinese enthusiasm in IEEE activities and their plans to take full advantage of this great transnational organisation. Already seven IEEE sections are functioning in China and seven more are under formation, with a target to achieve a member strength of 8000 plus in the next two years. Chinese government is also giving full support. To co-ordinate IEEE activities in China, an IEEE Council is also being formed. All these IEEE activities in China, point to a possible domination by them at Region 10 in the coming years and we, in India, will also have to redouble our efforts to keep our leadership role in R10 with more membership, new sections, student branches etc. Sections and India Council will have to urgently deliberate and initiate actions for this.

India had a good representation in the R10 meet with 14 participants including the three R10 committee members from India, Prof. M.M. Shah, Dr. Mini S. Thomas and Mr. Gopal Balakrishnan (R10 Student representative). Some highlights:

- ❖ There was a strong demand from members that IEEE Digital Library should be made available to members free of cost, to add value to membership.
- ❖ The chairs of 4 Councils under R10, Australia, New Zealand, Japan and India met separately to exchange the details of activities in the respective Councils.
- ❖ A meeting of India Council was held after the R10 meet on 24 Mar.'07 on the picturesque seashore of the R10 meet venue. All members from India participated. (See photo elsewhere)
- ❖ 'Wireless Communications Engineering Technology Certification' (WCET) Programme of IEEE ComSoc (under formation) was discussed in a separate Session. It is in line with the similar certification scheme in Computer Society.

In general, clear signs of heightened IEEE activities in Asia-Pacific region were visible. India needs to do much more to catch up with China and other serious players.

Warm regards,

Trivandrum  
01 Apr. '07

**N. T. Nair**  
Chair, IEEE India Council  
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### SSGMCE Shegaon Wins Award

#### R-10 Outstanding Student Branch of 2006



IEEE Student Branch of Shri Sant Gajanan Maharaj College of Engineering, Shegaon, under Bombay Section has won the prestigious 'Outstanding Student Branch of IEEE Region 10 Award for Year 2006'. IEEE Region 10 includes 50 countries of the Asia-Pacific including China, Japan, South Korea, Australia, New Zealand and has 500 out of the 1519 student branches under the IEEE globally.

Application for this coveted award was meticulously prepared by Miss Snehal Patil & Miss Jaya Dutta, covering the six essential criteria and the 12 secondary criteria to be fulfilled and the four months of dedicated work for this culminated in the rare recognition. The 50 page proposal was sent to IEEE Region 10 Office. IEEE SSGMCE Branch ranked 10<sup>th</sup> in the World and 4<sup>th</sup> in Asia Pacific region as far as membership strength is concerned. IEEE Student Branches are the cradle for nurturing technical & managerial skills of budding engineers and their creativity is exposed through the branch activities.

The Shegaon Branch was established in Aug 2001. In 2006, there were 70 events under the Branch.

Efforts of the members of this vibrant branch had the benefit of generous and proactive support by Hon. Shri. Shrikantdada Patil (Director-SSGMCE), Prof. M. M. Shah (Chairman-IEEE Region 10 Technical Activities Committee), Prof. Dr. (Mrs.) M. S. Thomas (Chair-IEEE Region 10 Student Activities Committee) and the patronage of Dr. D. G. Wakde (Principal) and Prof. U. A. Rane (Staff Adviser). For more please visit:

[www.ssgmce.org/ieee07/homepage.html](http://www.ssgmce.org/ieee07/homepage.html)

[Or Contact Prof. Rane at Email: [raneua1@rediffmail.com](mailto:raneua1@rediffmail.com),  
Mobile: 09422926166]

The Outcome gives to deeds, their title - Goethe

## From India Council Secretary



Dear IEEE Member,  
In this column I would like to introduce to you, the various IEEE Awards programmes. These Awards include: IEEE Awards, RAB Awards, R10 Awards and so on.

### IEEE Awards

Although several categories of awards are discussed in the awards web page at [www.ieee.org](http://www.ieee.org), I would like to invite attention specifically to the two Service Awards:

1. **IEEE Richard M Emberson Award**, sponsored by Technical Activities Board, for distinguished service to the technical objectives of the IEEE.
2. **IEEE Haraden Pratt Award**, sponsored by IEEE Foundation, for outstanding service to the IEEE.

The deadline for nomination is 1 July.

### RAB Awards

The awards and recognition program of the Regional Activities Board (RAB) is designed to help promote the IEEE's purpose of recognizing outstanding achievement in electrical, electronics, and computer engineering worldwide.

**RAB Achievement Award:** To recognize substantive projects or achievements of a relatively short nature (1 to 3 years).

**RAB Innovation Award:** To recognize the accomplishment which are innovative and effective in fulfilling one or more of the goals and objectives of RAB.

**RAB Leadership Award:** To recognize those individuals who have exhibited exemplary and substantive leadership of an extraordinary nature in implementing activities.

**RAB Larry K. Wilson Transnational Award:** To recognize accomplishment in fulfilling one or more of the Transnational goals and objectives of RAB.

**RAB GOLD Achievement Award:** For nominated GOLD members for outstanding achievements.

For the above awards, nomination deadline is 15 October.

The other RAB Awards are:

1. William W. Middleton Distinguished Service Award (Deadline: 31 May)
2. Section Recognition Awards (15 May)
3. Student Recognition Awards. There is a range of awards, scholarships, contests.
4. Friend of IEEE Regional Activities Award

### IEEE Region 10 Awards

There are three major awards:

1. R10 Outstanding Volunteer Award (Deadline is end November)
2. R10 Distinguished Large and Small Section Award (April)
3. R10 Gold Award (Deadline is end August)

In addition, the R10 Student Activities Chair has announced a number of contests, certificates, awards and financial supports for R10 student activities. See R10 website for details.

I hope IEEE members and volunteers would take note of these opportunities.

Cheers!

**KG Satheesh Kumar**

[kgsatheesh@gmail.com](mailto:kgsatheesh@gmail.com)

### Munch them!

The writer is the engineer of the human soul - *Joseph Stalin*

Let the past serve the present - *Mao Tse Tung*

Trifles make perfection, and perfection is no trifle -

*Buonarotti Michelangelo*

Youth supposes; age knows. - *Welsh Proverb*

## Forthcoming Events

### ICPS 2007

#### International Conference on Power Systems

12-14 December 2007

Organised by:

Central Power Research Institute, Bangalore

Co-sponsored by:

IEEE Bangalore Section

Deadline for full paper submission: June 30

Notification of acceptance: August 31

For more details: <http://powersearch.cpri.res.in>

Co-ordinator: Dr. P. V. Balasubramanyam, Jt. Director  
[peri@powersearch.cpri.res.in](mailto:peri@powersearch.cpri.res.in)

### IRSI - 07

#### International Radar Symposium India - 2007

Sponsors: IETE, IEEE Bangalore Sn, IET, BEL, HAL, ISRO & SEE  
10-13 Dec 2007

Venue: NIMHANS Convention Centre, Bangalore

Send Extended Summary by 30 April 2007

Acceptance based on Summary by 15 May 07

Final Acceptance: 15 October 07

Contact: IRSI Secretariat

[irsi2007@radarindia.com](mailto:irsi2007@radarindia.com)

### INDICON 2007 & 16<sup>th</sup> Annual Symposium of IEEE Bangalore Section

6-8 September 2007

Venue: CPRI Bangalore

Contact Conference Convener:

**D. Rajagopal**

IETE Building, Bellary Road, Bangalore 560 032

[rajagopald@ieee.org](mailto:rajagopald@ieee.org)

## Congrats - Aju Thomas Abraham!

Aju Thomas Abraham of Kerala Section (former Secretary) has been selected this year to the international IEEE GOLD Committee as the IEEE GOLD Education Society Coordinator. Given below is an abstract from the message from Gim Wan Soon, the RAB Gold Chair:

*I want to welcome you to be the GOLD Society Coordinator for the Education Society. ....*

*It is important to stay in touch with the GOLD members in your society. Please inform them on the RAB GOLD programs and events, and announce your GOLD activities. Student members are our best resource and we want them to continue their membership, and become GOLD members, after they graduate. So, outreaching the student branches is the smart thing to do. You should introduce the student members on what is IEEE and GOLD, and present them all the values and benefits of becoming a full member. Lastly, having the GOLD reception at one of your society conferences is a great move. This concept has been proven to be very effective to outreach GOLD members, and values added to their membership.*

*So, all the best in your GOLD endeavor. Please let me know if you need any help from me. Thank you and good luck.*

**SOON**

RAB GOLD Chair

*In the battle of existence, talent is the punch; fact is the clever foot work - Wilson Mizner*

## India Council Meeting

Alongside Region 10 Conference



A meeting of the India Council was held on 24 Mar 2007 at Karambunai, Sabah, Malaysia during R10 conference. The venue for the IC meeting was chosen by Prof. KK Mallick, Chair, Calcutta section on the shores of South China Sea. Set in the idyllic settings of the beach, the life-guard tower and lush green tropical forests of North Borneo Island, the meeting was quite refreshing for all the participants. Mr. NT Nair, Chair, India Council, presided. All the ten sections were represented – 9 by Chairmen and Bombay Section by Secretary. The Region 10 representatives from India, viz, Student Activities Chair, Ms. Mini Thomas, Technical Activities Chair, Mr. MM Shah and student representative, Mr. Gopal Balakrishnan also attended.

The meeting took major decisions, including one to hold Indicon 2007 in Bangalore in September 2007 and Indicon 2008 in Kanpur during Dec 2008. All India Student Congress 2007 would be hosted by Gujarat Section in September '07.

## WieNSET –2007

**IEEE WIE National Symposium on Emerging Technologies**  
29-30 June 2007

(Organized by Women in Engineering Affinity Group,  
Calcutta Section)

West Bengal University of Technology, Salt Lake, Kolkata

SPONSORED BY IEEE CALCUTTA SECTION

The IEEE Calcutta section has recently formed the Women in Engineering (WIE) Affinity Group. **WieNSET 2007** is the first symposium being organized by this WIE Affinity Group. The two-day program will consist of technical paper sessions, design contest, research scholar forum, industrial presentations as well as a *career guidance session* for women research scholars and professionals. For details on submissions:

[http://www.ewh.ieee.org/r1/princeton-centraljersey/Sarnoff\\_Symposium/Authors\\_Example.doc](http://www.ewh.ieee.org/r1/princeton-centraljersey/Sarnoff_Symposium/Authors_Example.doc).

The submissions should be sent as email attachment to the address [wienset07@gmail.com](mailto:wienset07@gmail.com). It should represent original contributions and should not have been submitted to other forums.

**Best technical papers and best design model demonstrations will be awarded**

For details visit: <http://www.ewh.ieee.org/r10/calcutta/WIE/>

Contact: [mohuyacb@yahoo.com](mailto:mohuyacb@yahoo.com); [sharminparveen@yahoo.com](mailto:sharminparveen@yahoo.com)

### Important Dates

<b>Regular paper submission deadline:</b>	<b>May 15, 2007</b>
Design contest entry deadline:	May 31, 2007
Acceptance notification to all authors:	June 5, 2007
Camera-ready paper deadline:	June 15, 2007

## ICON 2007

### 15th IEEE International Conference on Networks

19-21 November 2007, Hyatt Regency Hotel, Adelaide, Australia  
The 15th IEEE International Conference on Networks (ICON2007) will be held in Adelaide, South Australia. One day of tutorials and two days of technical presentations, invited lectures and poster presentations are planned. ICON2007 will provide a forum to discuss the innovations and recent advances in computer networks and communications. Contributions describing original research, surveys and applications are solicited.

### BEST PAPER AWARDS

Awards will be given for the best paper and the best student paper at the conference. Full paper due: Friday 11 May 2007

### Organized by

IEEE South Australia Section  
Computer Chapter, IEEE Singapore

### In cooperation with

University of South Australia  
The University of Adelaide  
Defence Science and Technology Organization  
For details: [www.plevin.com.au/ICON2007](http://www.plevin.com.au/ICON2007)

## Readers Write

Your editorial in the IEEE India Council Newsletter of March 2007....

To begin with, all comparisons are futile and can lead to frustration. But considering the latest reporting and coverage of things on China in our own grand home journal, the IEEE Spectrum, there is no doubt that China figures as a country far ahead of India in an overall sense, despite making a beginning two years later in terms of self rule. The reasons are not far to seek: their approach to national development has been systematic, serious and sincere, identifying their priorities, with the control of affairs in professionals' hands... No wonder they have achieved 100 per cent literacy and control of population; ready to stage Olympics 2008 (for which they were prepared as early as 2004!); and their marvels such as maglev trains and now the sky train, running to the top of the mountain (not long ago, National Geographic ran a 2-hour film on the planning and execution of that project, completed a year in advance, and it was an eye opener and truly awesome!).

Instead of worrying about what is happening in China (and I am sure Chinese do not indulge in such things) and other countries, let us look inward: where WE are and where WE have faulted to achieve, despite 60 years of self rule. The writing is very much on the wall; it has been there, but we have kept our eyes closed, and we continue to do so.

If only Jawaharlal Nehru (had) been more realistic and concentrated on universal literacy (and education) and control of population as TOP priorities, the other 'achievements' would have followed!

The utmost necessity is to be honest, sincere and serious about our goals, priorities and efforts. We have been miserably failing on these!

S C Bhargava

*The art of progress is to preserve order amid change and to preserve change amid order – A. N. Whitehead*



## Technology News

### Conserving Energy with Gas Stoves

Several small hotels use separate boilers to heat water for cooking and for cleaning the vessels. Many housewives also do the same. A multi purpose gas stove has been designed and tested by Dr. A. Jagadeesh of Centre for Energy and Sustainable resources of RMK Engineering College, Kavaraipettai (Tamil Nadu). E-mail: a\_jagadeesh2@yahoo.com [Dr. Jagadeesh has another innovation for producing potable water in villages using solar insolation]

In this, a small storage tank for water is put at an elevated place or on a stand. A small cross section copper tube is attached to the storage tank (Alternatively the copper tube is attached to a water tap if there is one with pressurized water). The copper tube is wound around the stove burners and there will be outlets to take out hot water from each copper tube around the burners separately with tap system. The copper tubes connected to the water tank can be separated while moving the stove from place to place. Here the copper tube utilizes part of the heat that reaches the plate of the stove. In this, some energy which goes as waste (heating the surface of the stove) is utilized to produce hot water for cleaning, conserving energy.

By having a larger tank, one can get hot water for bathing also. This system can be adopted in the case of biogas stoves also. This system costs around Rs. 350/- (stove cost not included). This can find extensive application in small tea bunks and houses with stoves.



## Editorial



### Living in a World of Obsolescence

In this age of Science & Technology, we are no doubt living in a World of Obsolescence. In a book entitled 'Science or Society?' authored by science critic Mike Hales in 1982, the first chapter bears a title 'Tomorrow has been cancelled'. Speaking of things moving faster, most of the time faster than we can watch, he recalls that during James Watt's time, on the steam engine and the rail road, people had years of debate over whether they are good or bad or whether people need it. Today, we are getting aware of a new technology, only when a product or service based on it is already in the market. It is impossible for you to buy the same product six months hence, with no change to it. A quarter century after 'Tomorrow has been cancelled', we are deep into the same syndrome, as market and technology demands faster speed, presumably responding to demand for faster progress. Computers, Communications and in general Microelectronics are in the centre stage of technological changes and Technology Management has become a necessity in every field. IEEE therefore, bears the brunt of this breathtaking speed of technology progress, which is synonymous with technology obsolescence. In one sense it is sweet, so we can't spit it; in another sense it is bitter enough, and we can't swallow. How do we comprehend today's technology and manage that of tomorrow's?

Trivandrum  
01 April 07

**Prof. V. K. Damodaran**, Editor  
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### Editorial Board

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