



Chairman's Message



Friends,

The world is at crossroads today, more than ever before, surprisingly due to reasons partly attributed to new technology innovations also. At scientific research, education, etc., this crossroad syndrome is clearly visible. The conventional way of doing research in the 'Library - Project Guide' way is now giving way to the new, web-based, transparent format, Science 2.0, allowing other well informed scientists to comment on the findings,

before they are made into final reports. Like wise, in the education front, students now learn the topics in web-way in advance, and expect supplements from the teachers, who are required to redouble their efforts to meet this demand. The new era of Education 2.0 is fast emerging.

The professional society movement is yet another sector influenced by Web 2.0 and other digital resources, necessitating it to re-do the model, riding on the web-wave. It is an opportunity and challenge to come out with innovative ways to give more value to membership. This process is on in most of the societies.

In IEEE India front, the formation of IEEE India CASS Chapter as part of the global chain of IEEE Circuits and Systems Society on 8 July '08 brings good news with the efforts of Dr. Chari.

IEEE Sections Congress 2008 is around the corner - from 19 to 22 Sep. '08 at Quebec, Canada. Strong Indian presence and presentations by Deepak Mathur (Gujarat Section), Amarnath Raja (Kerala), S. Gopakumar and Prijoe Komattu (LINK-GINI), India Council etc. are the highlights specific to India in this Congress.

A new 'avatar' of IEEE, in line with the trends seen in research, education etc. and fulfilling the changing needs of the members may probably evolve during Sections Congress deliberations, it is hoped.

IEEE election scene is still open and all those who have not exercised their franchise yet, are urged to act, as IEEE India badly needs this timely action by members to emerge as the force to reckon with in the global IEEE canvas.

With best wishes to all,

N. T. Nair

Trivandrum
07 Sept. '08

Chairman, IEEE India Council
ntnair@ieee.org

R. K. Asthana in A&A Committee

Rajendra K. Asthana, Immediately Past Chair of India Council has been appointed as a member of the 2009 IEEE Admission and Advancement Committee (A&A) by the IEEE Board of Directors at its 25 August 2008 meeting, confirms Lewis M. Terman, 2008 IEEE President & CEO.

Congratulations Mr. Asthana!

Bangalore making India Proud!

IEEE's 125th anniversary is in 2009 - just a few months away. John Vig, the 2008 IEEE President Elect and Chair for the celebrations writes:

At the upcoming Sections Congress, we will be asking Sections to plan their own anniversary activities. At the June Plenary meeting in Denver, I said that IEEE will support a series of Engineering the Future celebrations in eight major world cities.* The goal of these eight events is to bring together members, customers and others in a celebration that will enhance the public visibility and global awareness of IEEE and highlight its technological expertise, leadership and prestige. **Bangalore, Beijing and Tokyo** Sections in your Region (Region 10) have been selected as three of the eight locations.

Funds from the anniversary budget have been set aside for these eight activities. The exact nature of the celebration will be determined in cooperation with Section leaders at the local level. To help plan the event, we are asking that a representative from the Section be designated to participate in a team composed of the Section representative, IEEE staff, the local IEEE subscription agent/dealer, and Ruder Finn, our global public relations and event planning partner."

Please go to ieee125.org to get informed about celebrations

Also, contact if needed, John Vig at j.vig@ieee.org, or staff co-chairs Marsha Longshore (m.longshore@ieee.org) or Barbara Soifer (b.soifer@ieee.org).

NDLP Coordinators

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Visit
[http:// www.ewh.ieee.org/r10/india_council](http://www.ewh.ieee.org/r10/india_council)

It is better to wear out rather than to rust out - Richard of Cumberland

From India Council Secretary



I believe most members would have cast their votes by now. If you have not voted, please do so immediately. Please do not think that your vote may not matter in a large number of votes. Every single vote matters. Your vote could make all the difference.

A member with a web account can vote in less than a minute by visiting <https://www.directvote.net/ieee>. If one does not have a web account, it can be created in less than 3 minutes at http://www.ieee.org/web/aboutus/help/task/my_account_web_account.html.

On the activities front, annual seminar and conference activity is about to peak in all sections, as we move into the last quarter of the IEEE year. Please ensure wide publicity for your activities through our national and section newsletters, both ahead of the conference and after it. The only way to promote our organization is by letting people know of what we are doing.

NDLP activities are also picking momentum in several sections. A report on NDLP is separately included in this newsletter.

Cheers!

K G Satheesh Kumar
Secretary, India Council, IEEE
k.g.kumar@ieee.org

Section Congress in Canada

The Chairs of the various Sections, Councils and all other officials of IEEE will have their global meet this year in Quebec, Canada, to discuss organizational matters and future activities from 19 to 22 September 2006. The Editorial team wishes every participant to this meeting, a Bon Voyage and very successful deliberations.

Have You Voted?

Time is running out. You have hardly two weeks more left. Vote electronically before 01 October 2008 and help mould the IEEE, the way you want!

Symposium on NetBeans

IEEE ISTAR Student Branch, V. V. Nagar, Gujarat and Sun Microsystems are jointly organizing on Wednesday, 17 September 2008, a One day Symposium on "NetBeans".

The venue for the Symposium is:

**The Auditorium, G. H. Patel College of Engineering
Bakrol Road, Vallabh Vidyanagar, Gujarat
Time: 1100 hrs to 1700 hrs.**

Please visit for information: www.istar.ca.in

2008 CS Chapter Achievement Awards

The Winners of the 2008 Communications Society Chapter Achievement Awards are:

1. AP – Calcutta Chapter – **Debashis Saha** - ds@iimcal.ac.in, ds.calcutta@gmail.com
2. EAME – Hungary Chapter – **Tibor Berceli** - berceli@mht.bme.hu, tibor.berceli@mht.bme.hu
3. LA – Colombia Chapter – **Carlos Lozano Garzon** - calozanog@ieee.org
4. NA – Toronto - **Xavier Fernando** - xavier@ieee.org, fernando@ee.ryerson.ca

Special recognition – EAME Portugal - **Luis M. Correia** - luis.correia@lx.it.pt

Congratulation the Winning leaders! Special Cordial Greetings to Debashis Saha!

The four winners will receive a plaque and US\$ 1000 each as honorarium. Portugal will get US\$ 500 .

Oceanic Engg. Society Inauguration

The inauguration of IEEE Oceanic Engineering Society (OES) under India Council will take place on the 25th of September 2008 at National Institute of Ocean Technology (NIOT), Chennai. Dr. James McFarlane, President of ISC, Canada has kindly consented to give the inaugural talk. Dr. McFarlane does not require introduction to Ocean Engineers. His bio data may be seen from ISC web site: <http://www.ise.bc.ca/mcfarlane.html>

Welcome New Senior Members!

Bombay Section	Kulkarni Shrikrishna
Calcutta Section	Nag Bodhibrata
Delhi Section	Saxena Manoj
Hyderabad	Chavali Nanda
Madras Section	Bhashyam Srikrishna
Uttar Pradesh Section	Agrawal Anupam

Scalability in Software Engineering Education and Training

PDF Version - <http://serl.iiit.ac.in/CSEET/cfp.pdf>

Advances in technology and communications enable new applications to be both conceived and made feasible every day. The implication of this is an increase that continues to grow in the demand for software engineers in the world. However, there is a marked skills shortage occurring both in the IT professions and in engineering: on the one hand students are not entering SE programs in the numbers, the industry would like; on the other, industry reports that graduates are lacking in skills considered important - in the newer technical areas and in business and soft skills.

The above program will provide numerous opportunities for academic and industry participants to interact and learn from each other.

For enquiries visit <http://conferences.computer.org/cseet/2009/> or email to: cseet09@iiit.ac.in

Vijay Sekhar

IEEE Envisioned Future

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

CORE VALUES

- **Service to humanity:** leveraging technology and engineering to benefit human welfare; promoting public awareness and understanding of the engineering profession.
- Ø **Peer-reviewed:** using unbiased information to enhance the quality of life for all people.
- Ø **Global Focus:** supporting and embracing the global nature of and need for technical work and engineering solutions
- Ø **Intellectual activity:** forward-thinking; nurturing new and existing science and technology.
- Ø **Growth and nurturing of the profession:** encouraging education as a fundamental activity of engineers, scientists and technologists at all levels and at all times; ensuring a pipeline of students to preserve the profession.
- Ø **Collaboration and community building:** cultivating active, vibrant and honest exchange among cross-disciplinary and interdisciplinary global communities of technical professionals.
- Ø **Professionalism:** creating a world in which engineers and scientists are respected for their exemplary ethical behavior and volunteerism.
- Ø **Trust and respect:** promoting a culture where contributions at all levels are valued; encouraging member driven, volunteer-led, knowledge-based projects; building effective volunteer/staff partnerships.

BIG AUDACIOUS GOAL

Be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

Vivid descriptions of the goal:

- Ø The IEEE community and its technologies will positively impact global prosperity and quality of life.
- Governments will increasingly seek IEEE's input as an unbiased source of technical information.
- Ø Industry will recognize and value IEEE thereby strongly supporting professional's participation in IEEE.
- Ø Communities around the world will universally recognize and appreciate the profession and IEEE's role.
- Ø Technological literacy will prevail among all educated citizens.
- Ø IEEE members will have productive, distinguished and rewarding careers. Increasing numbers of students will choose careers in IEEE fields of interest.
- Ø IEEE will be recognized as a global force in shaping education and curricula in IEEE fields of interest.
- Ø IEEE will be a centre of excellence in technology information and a global force in intellectual property rights management.
- Ø IEEE members will universally find value in active engagement and involvement in the organization.

3-5 YEAR GOALS

- Ø Industry professionals and their employers will value IEEE as a major resource to achieve success.
- Ø IEEE will improve the professional competencies of students and professionals through education.
- Ø IEEE will increasingly be valued by the global community as a catalyst for a balanced dialogue on technology-related issues.
- Ø The public will increasingly value the role of IEEE and technical professionals in enhancing the quality of life and the environment.
- Ø IEEE members will increasingly find value and enjoyment through their involvement in the organization.
- Ø IEEE will operate as a model global association, with aligned purpose, energy, and infrastructure that facilitates the development and execution of coordinated strategy.

4 billion people by 2030 to use Solar Energy

Sonnenseite Newsletter. 7 September 2008

Unbelievable! – But, this is the main conclusion of the Solar Generation report, published by Greenpeace and the European Photovoltaic Industry Association (EPIA). "Solar photovoltaic electricity has the potential to supply energy to over 4 billion people by 2030 if adequate policy measures are put in place today," said Ernesto Macias, EPIA President, as the report was presented at a major conference on photovoltaic (PV) energy in Spain.

By 2030, it estimates that over 1800 GW of photovoltaic systems will have been installed worldwide. This represents over 2600 TWh of electricity produced per year, or 14% of global electricity demand. This is enough power to supply over 1.3 billion people in developed areas and over 3 billion people in remote rural areas who currently have no access to mains electricity.

"Solar electricity could help cut up to 1.6 billion tonnes of CO₂ emissions by 2030", said Sven Teske, energy expert from Greenpeace International and co-author of the study. "Tackling climate change requires a revolution in the way we produce and use energy - solar is a major part of this solution."

Green-collar jobs: Currently, ~ 120,000 people are employed in this sector; most of the jobs - involving the installation, maintenance and sale of PV systems - are created locally and boost local economies. In 2020, over 2 million and by 2030 almost 10 million people are expected to be working in the sector.

To innovate is not to reform - Edmund Burke

Editorial

World is changing; so is IEEE



The world today is quite a changed organism. It adapts, adopts and innovates to suit the needs of the changing time. IEEE which had its dominant activities only in the developed world of the west has substantial number of members and vibrant activities throughout the rest of the world today. As pointed out in Chairman's message this month, learning, researching and manufacturing as well as all kinds of other activities have deviated in nature and in content markedly from the non-turbulent days that are now over.

Each one of us as professionals have also to adjust a lot, the way we live, eat, dress, travel, learn and work. The process is on. In order to meet the changing demands of the society on the IEEE, the members of its Board of Directors have envisioned a future strategy to achieve the perceived goals on long term and medium term basis. In page 3, you will find the text of this Envisioned Future of IEEE.

While this will be discussed at the Section Congress in Canada from 19 to 22 September, the Editorial Board and the India Council are desirous of your discussing it in your Sections, Societies and Branches, giving clarity to ourselves and to those who conceived it on how soon and how well can we achieve these goals and remain as the best and the largest professional society on a global scale.

Regards,

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

Trivandrum
07 Sept. '08

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.

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