



Message from Chairman



Dear Members,

Greetings from IEEE INDIA COUNCIL, during the last two month, IEEE India Council have been recognized as emerging students power, and a strong technical women power world over. During the present month, IC Sections have been recognized as follows:

- o IEEE Madras Section, for the first time, has received the **“R10Distinguished Large Section Award” for the year 2010.**

In order to commemorate the occasion, a one day function is planned on **1st October 2011 in Chennai.** The events include: Felicitations on the eve of receiving the R10Distinguished Large Section Award for the year 2010, Special Lectures by eminent industry leasers and academic experts with “Empowering Members to Create the Future.”as the theme and on topics such as: IEEE eLearning Library, Standards-Related Opportunities to Support Membership Growth and Industry Participation, Humanitarian Technology Projects, How to Run a Successful Webinar, Engaging Students and Organizing Student Activities etc.,

- o IEEE ComSoc Asia Pacific members recognize Kerala ComSoc Chapter for winning the 2011 Chapter Achievement Award. Kerala ComSoc Chapter activities are highly recognized by all AP members as well as ComSoc executives, in particular the activities for membership development.

As indicated in my First Message of April,2011, IC will recognize the services rendered by our Senior Superannuated Members and will reimburse the IEEE Membership paid by them in case they have no other source of income other then the pension. In this regard, we would like to have the inputs from the members and names of such member with full details like name, membership no., section, and present IEEEactivities. In lieu of this, we would like these members to take at least two lectures at any IEEE Student Branch on topics of their choice.

Looking forward for your inputs. Thanks.

Dr. Ram Gopal Gupta

That's IT in August 2011

Prof. S. Sadagopan



1. General

- ◆ People's leader Anna Hazare arrest on August 16, 2011 in Delhi complicates life for the UPA Government; he fasts for 13 days (August 16-28) creating history; leads to the Indian Parliament passing the resolution on Lok Pal Bill as a first step towards controlling corruption
- ◆ President Obama signs the historic debt bill on August 2, 2011; yet, S&P downgrades US Sovereign rating from AAA to AA+ (the first time in a century) on August 5; stock markets crash on the following Monday (August 6); BSE lost 316 points & NASDAQ was down by 145 points; Dow Jones index slipped by 508 points
- ◆ Sadananda Gowda becomes the new Karnataka Chief Minister on August 3, 2011
- ◆ Chennai city turns 373 on Aug 23, 2011
- ◆ Tibet gets a new Prime Minister in Harvard educated Lobsang Sangay on August 8, 2011
- ◆ London riots during August 5 - 9 cause enormous damage to people and British image
- ◆ Hurricane Irene causes havoc in US East Coast on August 28, 2011
- ◆ European Banks to axe 40,000 jobs in 2011

2. Technology

- ◆ IBM researchers talk of Graphene-based computers that can do work 30 times faster than silicon based machines

3. Products

- ◆ WWW is 20 years old on Aug 4, 2011
- ◆ IBM PC turns 30 years old on August 12, 2011
- ◆ HP decides to kill TouchPad on Aug 24, 2011; liquidates the entire stock at throwaway price of \$ 99; in the process, a potentially promising third platform that could have provided healthy competition to Apple iPad and Android Tablets is dead
- ◆ Nokia launches new phones N 700, N 701 and N 600 in the Indian market in August 2011
- ◆ Samsung launches Galaxy 10" tablet and Galaxy Note phone handset in India in August 2011
- ◆ Beitel and Reliance launched low cost Android Tablet computers (Rs 10,000 range) in the Indian market on August 11, 2011
- ◆ RIM launches BlackBerry 9900 in India on August 11, 2011

4. Markets

- ◆ Stock markets across the globe lose, thanks to US Sovereign Rating loss
- ◆ Coal India is the most valued company in India on August 17, 2011 (going past Reliance & ONGC)
- ◆ BP (British Petroleum) and RIL (Reliance Industries) \$ 7.2 billion deal got completed on Aug 30, 2011
- ◆ Apple is most valued company on August 10, 2011 bypassing Exxon Mobil's market capitalization of \$ 331 billion to \$ 337 billion; simultaneously, Apple also became the No 1 smart phone vendor in the world as per several estimates (Gartner, Forrester)

- ♦ On August 18, 2011, HP decides to get out of WebOS-based TouchPad tablet business, talks of exiting PC business and announces its decision to acquire UK-based "big data" and "unstructured data" leader Autonomy for a whopping \$ 11.5 billion, signaling HP's plan to focus on software only; shocked stock markets punish HP with stocks dropping by 25%; with the position worsening every day, the legendary company of "HP Way" fame appears to have lost its direction completely
- ♦ Google acquires Motorola Mobility for \$ 12.5 billion on August 14, 2011

5. Indian IT companies

- ♦ Ashok Soota founded "Happiest Minds" takes off on August 29, 2011

6. MNC companies in India

- ♦ Nokia Siemens to expand its Chennai operations in the year 2011

7. Education & Research

- ♦ 1,04,897 Indian students are expected to go to US for studies in year 2011

8. People

- ♦ Infosys Founder Chairman N R Narayana Murthy hands over charge on August 20, 2011 when he turned 65; setting a healthy tradition in corporate governance that he talked about extensively
- ♦ Steve Jobs decides to retire as Apple CEO on August 24, 2011; Tim Cook is the new Apple CEO
- ♦ AMD names Rory Read as President & CEO on August 25, 2011; earlier he was with Lenovo for 5 years; prior to that for 18 years at IBM
- ♦ India-born Deven Sharma heads Standard & Poor that brought down US Rating from AAA to AA+ on August 5, 2011
- ♦ Sadananda Gowda becomes the new Karnataka Chief Minister on Aug 3, 2011
- ♦ Tibet gets a new Prime Minister in Harvard educated Lobsang Sangay on August 8, 2011

9. Applications

- ♦ WWW is 20 years old on August 4, 2011

10. Some interesting numbers

- ♦ PC sales in India to touch 11.2 million in 2011 (MAIT)
- ♦ India's wireless subscriber base increased by 6.67 million in July 2011 to 858.37 million; wire-line subscribers decreased by 0.11 to 34.18 million in July 2011; broadband customer base increased by 0.12 million to 12.50 million. The active wireless subscriber stood at 601.73 million. Wireless subscriber base has been steadily decreasing for several months at a steady rate; broadband subscriber base increase is also steady and slow; wireless subscriber base has been increasing at 10+ million for several months, but increased by mere 6.67 million in July for which we have the official data; it will be interesting to watch its growth in the coming months (TRAI Press Release 47/2011 of September 9, 2011)
- ♦ BSE (Bombay Stock Exchange) Index Sensex ends at 16676 on August 31, 2011
- ♦ On August 31, 2011 the currency exchange ratio of USD to INR stood at 45.9; by August end, India's Foreign exchange reserves (Forex Reserve) was at \$ 320.785 billion (RBI Statistical Bulletin)
- ♦ Of their total global employees Accenture has 29%, CapGemini has 28% and IBM has 28% of their employees in India (ET)

Google+ reached 25-million mark in 27 days while Facebook took 3 years and Twitter took 30 months to reach the same level!

ISAAC

ISAAC (IEEE-TSEC Students' Activities and Conferences) is the annual national level technical festival of the Institute of Electrical and Electronics Engineers - Thadomal Shahani Engineering College (IEEE-TSEC). It encompasses a wide array of Contests, Conferences, Workshops and Exhibitions each year conducted by a number of reputed companies.

The workshops, which are an integral part of ISAAC and draw a large crowd each year, are held on all three days. They have always been a huge success which is accredited to the hard work and expertise of our renowned instructors from reputed firms and individuals who were either college students or with immense knowledge in that particular field. The workshops held in previous ISAACs include Web Designing, Photoshop, Aero modelling, Bioinformatics and Robotics (Level 1 and Level 3), among many others.

Robotic contests and workshops have always been the heart of ISAAC each year and cater to both professionals and amateurs. The participants attend the robotics workshops on the first day and test their newly-made robots in contests the very next day. Non-Robotics contests pit one mind against the other and lead to a healthy competition and the growth of a would-be engineer. The contests held previously included Coder, Occult Coding, Web Designing, Technical Paper Presentation, etc.

Conferences are a major highlight of ISAAC each year. They give the students a platform to expand their knowledge in various fields. In the past, we have had conferences on Future of Processors by Intel, Cloud Computing by Microsoft and Mobile Communication by Reliance.

ISAAC attracts thousands of students every year from every discipline to be part of such a large technical symposium. It intends to provide the students an opportunity to use their creativity, passion, and knowledge of technology to help solve global challenges and make a difference in the world.

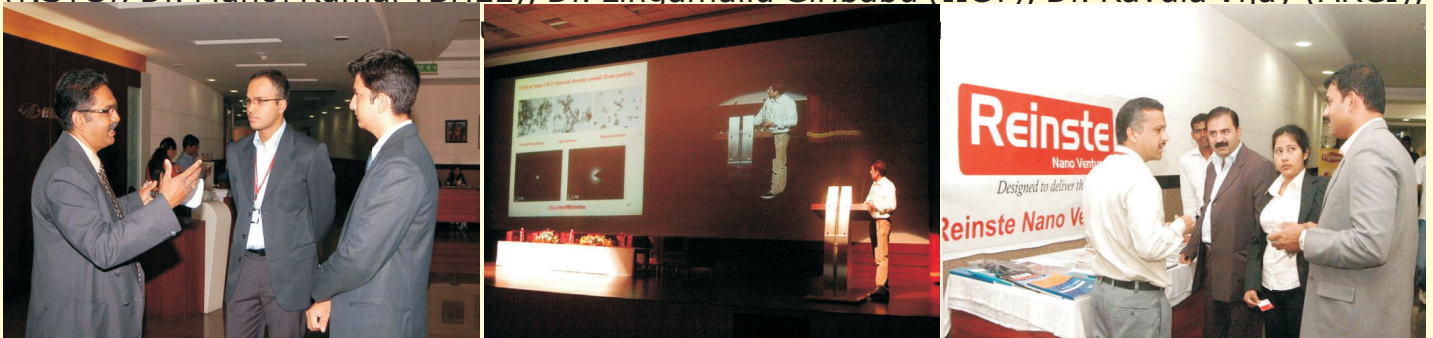
ISAAC 2011 will be held on 25th September, 2nd October and 6th October. The conferences incorporated this year include Mobile Computing by PCSS Solutions (Apple's Authorized Resellers), Cloud Impact on Software Development by Cognizant and Application of Immunology in Health and Medicine by Haffkine Institute. A few of the workshops incorporated this year include 3D Photography, Chromatography, Robotics Level 1 and Robotics Level 3, among many others. The contests which will be held include Photomontage- a Photoshop based contest, Web Wielder- a web designing competition, Tech Caesar- a technical quiz and many more. A number of exhibitions will also be on display which includes wind energy harvesting systems, surveillance systems, aquabots and autonomous robots.

For more information, please visit our website - www.isaac2011.com

PES/IAS/PELS Joint Chapter (IEEE Hyderabad section) organizes Two Day National Seminar on 'Nanotechnology – Its Future and Applications in Energy Sector' at Hyderabad

On 26th and 27th of August 2011, PES/IAS/PELS Joint Chapter of IEEE Hyderabad Section in association with Mahindra Satyam organized Two Day National Seminar on 'Nanotechnology - its future and applications in Energy sector'. The event was partially funded by Defense Research Development Organization (DRDO) HQ, Delhi. The event witnessed overwhelming participation of around 270 delegates from Academia, Industries, Governmental organizations, R&D Institutions and NGOs. It was an opportunity for all to learn about this emerging area by gathering expertise from diverse backgrounds—researchers, academicians and practicing engineers brought together. The event also served as an ideal platform for dissemination of ideas, discussions, latest industry technology trends, networking and exchange challenges in Nanotechnology pertinent to Energy arena.

Prominent speakers Dr. Muraleedharan (DRDO), Prof. Ramgopal Rao (IITB), Dr. Kulvir Singh (BHEL R&D) Dr. Pratyay Basak (IICT), Dr. Raghunandan Seelaboyina (BHEL), Dr. Shanmugasundaram Sakthivel (ARCI), Dr. Sukumar Roy (BHEL), Mr. Puneet Mehrotra (NSTC), Dr. Manoj Kumar (BHEL), Dr. Lingamallu Giribabu (IICT), Dr. Ravula Vijay (ARCI),



The event also showcased exhibits such as nano-bulletproof armor cloth, wireless thwarting materials, carbon nano-tubes etc., from leading Industries. The exhibits came handy in experiencing the matter being explained in the sessions. Two best ideas from students were recognized and appreciated during the 'Idea Box' campaign in the event.

Industry Leaders such as A S Murthy (CTO-MSat), Dr. Murleedharan & Dr. D B S Seti (Directors of Defense Research Development Organization (DRDO)), Sista Subrahmaniyum (CTM-MSat), Venkat Gajjala (Head-PEG, MSat) of Mahindra Satyam, Sh. V. Shekhar (Executive Director - Power Grid) participated in the inaugural session.

Major takeaways from the 12 technical sessions and concluding panel sessions were

1. Nanotechnology is multidisciplinary in nature and more thrust is required on Basic sciences like Chemistry, Physics, Material Science etc.,
2. As an undergraduate course, still not matured and may not find career opportunities. But it is essential that core Engg students be aware of developments in this emerging field so that they can apply this technology in their own working domain in future when they take up career in different areas.
3. In the coming years and definitely in the next decade, Nanotechnology will find applications in various areas including energy (generation/transmission/distribution

areas), Bioscience, non-conventional energy areas, automobiles and other transportation sector etc., like IT emerged as a supporting technology for various domains.

4. Though research works are going on in various R&D/Academic institutions in India also in this emerging technological area, networking/collaboration is still very minimum among various institutions working in this area. Seminars/Conferences like this will definitely enable such networking.

At the end of the event, the participants were quoted saying that many want to leap into this emerging technology with the Inspiration and Motivation received from senior members through this event.



International Conference on Advances in Cloud Computing (ACC-2012) July 26-28, 2012 Bangalore, India

Organized by Computer Society of India, Bangalore Chapter



Technical Sponsors



First Call for Papers

Cloud computing assembles large networks of virtualized services: hardware resources (CPU, storage, and network) and software resources (e.g., databases, message queuing systems, monitoring systems, load-balancers). Cloud providers give organizations the option to deploy their application over a network of infinite resource pool with practically no capital investment and with modest operating cost proportional to the actual use. It is believed that the new wave of computing will be based on Cloud Computing. Considering the importance of Cloud Computing in the days to come, Computer Society of India, the largest body of IT professionals in the country is launching the conference series on Advances in Cloud Computing (ACC) to provide an international forum for researchers, professionals, and industrial practitioners to share their knowledge in the rapidly growing area of Cloud Computing. The first edition will be held in Bangalore in July 2012.

Participants are invited to submit full research papers to the ACC 2012 on topics of interests which include but not limited to:

- Approaches for Migrating Enterprise and Scientific Applications to Clouds
- Application Architectures
- Resource Orchestration
- Application Workload Modeling
- Application Auto-scaling Modeling
- Scalable Models for Application Health Monitoring
- Energy-efficiency Models for Provisioning Hardware Resources
- Industrial and Experimental Infrastructure Enabling Hybrid Environments
- Innovative Scientific, Business, and Internet Service Applications
- Virtualization of Hardware and Software Resources
- Brokering and Optimization
- Performance Comparison Studies
- Programming Models
- Pricing Models
- Support for Scalable and Elastic Services
- New Parallel / Concurrent Programming Models
- Support for Mobile Applications and Content Delivery Networks
- Data Security, Privacy, and Jurisdiction

All papers must be submitted electronically and in PDF format. The material presented should be original and not published or under submission elsewhere. Authors should submit full papers of up to 8 pages, following strictly the IEEE Computer Society Proceedings Manuscript style (available at <http://www.computer.org/portal/web/cscsps/formatting>), using two-column, single-space format, with 10-point font size. Figures and

references must be included in the 8 pages. Oversized papers will be automatically rejected by the PC chairs. At least one of the authors of each accepted paper must register early to attend the conference, in order for the paper to appear in the conference proceedings.

All papers should be submitted online using EasyChair submission system:
<http://www.easychair.org/conferences/?conf=acc2012>

Important Dates

Deadline for paper submission	: January 28, 2012
Notification of Acceptance	: March 31, 2012
Deadline for camera ready papers	: May 5, 2012

Event Chair: Anirban Basu

Organizing Chair : Vishwas Bondade

Hony. Chair : Rajkumar Buyya, University of Melbourne, Australia

Program Chair : Rajiv Ranjan, CSIRO ICT Center-Canberra, Australia

Workshop Chair : Bala Guruswamy

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Academic Liaison Chairs : T Sabapathy, R K Ramanathan

Government Liaison Chair : Iqbal Ahmed

Industry Chair : Raghavendra Rao

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Sasikumar, M, CDAC, India

Surya Nepal, CSIRO ICT Center, Sydney

Conference Secretariat : CSI, Bangalore Chapter

Ph : +91 80 2286 0461 | email : csi_bc@yahoo.com