

## Chairman's Message



Dear Members

The IEEE Annual elections 2010 are approaching and the ballot will be mailed to members or will be available online from 1st August. The IEEE members vote annually to elect officers who serve on the top-tier IEEE governing bodies. This year members in Region 10 will also vote to elect the R10 Director-Elect for

2011-12 in addition to picking the IEEE President-Elect 2011. All eligible voting members on 30 June, as well as those elevated to Member or Graduate Student Member grade on or before that date, are eligible to vote. Associate members are not eligible to vote in the annual election and hence should upgrade their membership status by applying online for member.

As a member of IEEE it is important for us to understand the roles of IEEE President and R10 Director and how their policies can impact us.

As the Chief Executive Officer, the IEEE President works with the IEEE Board of Directors, the Executive Director and staff to guide IEEE in fulfilling its mission and adhering to the IEEE Strategic Plan and to otherwise carry out the duties and responsibilities assigned by the Board of Directors. The person elected as President-Elect will serve for three consecutive years; as President-Elect, President, as Past President. The period of three years gives one ample time and opportunities to influence the IEEE policies and shape the future of the organization.

The successful candidate for the position of the Region 10 Director serves for six years; as Director-Elect, Director, and Past Director, two years each. The R10 Director represents the region at the Board of Director, which is the governing body of IEEE.

The IEEE members in India constitute a large percentage of Region 10 membership. Therefore it is desirable that IEEE members in India take keen interest in the IEEE elections and elect best people to serve them and take the IEEE in the right direction. Unfortunately the voting rate in Region 10 has been very low for many years. Less than 15% members in R10 exercise their right to vote in the election. This low voting rate results in our large membership to be perceived as a small minority, which makes it very hard for the

Director to get motions favorable to R10 members passed.

The R10 will offer \$500, \$300 and \$200 to Sections with the highest voting percentage.

This year the candidates on the 2010 IEEE annual election ballot are:

IEEE President-Elect 2011

- Gordon W. Day
- Joseph V. Lillie

Region 10 Director-Elect 2011 – 2012

- Jose (Joe) B. Cruz, Jr.
- Toshio Fukuda
- Ramakrishna Kappagantu

Please read the introductions and position statements of all the candidates in the R10 Newsletter available at <http://www.ewh.ieee.org/reg/10/Newsletter/Newslett erMain.html//>

and vote for the candidate you think best. The two candidates for the IEEE President-Elect very thoughtfully agreed to answer some questions relevant to R10 members which are also available in the R10 Newsletter. This should help you to make up your mind. Please do vote in the IEEE election; your vote is important for the India and Region 10.

The R10 has selected Kerala Section as the 2009 R10 Distinguished Large Section. The selection of the two awards is based on the performance summarized in the 2009 Annual Report submitted by R10 Sections. Congratulations to Kerala Section on their excellent performance!

The R10 Logo Competition was announced by the Dr. Yong-Jin Park, R10 Director at the R10 Annual Meeting at Cebu this February. Please see the detail announcement for the competition in this newsletter and at R10 website. Please encourage creative members in your Section to participate in it. There is a very handsome prize of \$ 500 for the winner!

The INDICON 2010 call for papers and website is up at <http://ewh.ieee.org/r10/calcutta/indicon2010/>.

With warm regards

**Kasi Rajgopal**  
[kasi.rajgopal@ieee.org](mailto:kasi.rajgopal@ieee.org)

## Message from India Council Secretary



Dear Members,

Greetings from India Council!

With the untiring efforts of our predecessors and many senior IEEE volunteers, the following good things are happening for IEEE India:

- (a) Opening of IEEE India Office in Bangalore (expected to function from late 2010)
- (b) Payment of membership dues in Indian Rupees (now open for all Indian students community)
- (c) Reduction of membership fee for regular and high grade members. (It is expected that Indians to pay only USD 50 as annual fee w.e.f. 2011 as per Region 10 meeting)
- (d) IEEE Job Site now open for Indian Members and Industry
- (e) Free e-book offer for the Indian IEEE members

Many more such benefits are being explored by IEEE Headquarters in a phased manner.

Friends ! looking at the variety of such facilities extended by IEEE with India as focus for growth of technical community, it is certainly a good opportunity for every IEEE member to review the benefits and take a consensus decision of renewals as well as introduction of new members to build India more stronger technically. The half year discount would be closing for the year 2010 by 30th June in view of which I strongly recommend for making a new membership drive to enable more members join the networking family of IEEE to share and enhance their knowledge.

I would also suggest that the members can take the benefit of utilizing NDLP services to spread technical knowledge & expertise in the rural India, for which IEEE foundation has given a special grant. The list of eminent NDLP speakers is available in the IEEE India Council web site. Any NDLP speaker may be invited through your Section by sending an e-mail to National Co-ordinator Dr.G.Sainarayanan (sai.jgk@gmail.com). It may also be noted that all the incidental costs including travel are borne by the India Council for the NDLP speakers.

With Best Wishes,  
**(K.RAMAKRISHNA)**  
Secretary, India Council  
Email: kramakrishna@ieee.org

# That's IT in May 2010



Prof. S. Sadagopan

## In the general developments,

- Britain gets a new Prime Minister David Cameron on May 11, 2010
- Dantewada attack by Maoists on May 18 & 28 and Mangalore air-crash on May 22 shocked the Nation

## In the products arena,

- Google announces Google TV
- Dell announces "Streak" smart phone
- Samsung launches the world's smallest printer
- Microsoft launches "cloud Office" and Hot Mail upgrade
- Vodafone launches Rs 799 handset
- Olive Netbook with Tata Photon broadband model goes on sale for Rs 17,999

## In the market-place,

- **SAP** buys Sybase for a whopping \$ 5.8 billion in mid May signaling "stack ownership" (DBMS, Middleware, Application)
- **Symantec** buys "Verisign Security Systems" for \$ 1.2 billion
- **IBM** buys cloud application integration company "Cast Iron" on May 4, 2010
- **Android** powered smart phones outsell iPhone sales in January - March 2010
- **Mahindra & Mahindra** buys electric car maker "Reva Motors" on May 25, 2010

## The Indian IT Companies continued to do well

- **Mindtree** bags UID Authority of India project valued Rs 30 crores in May
- **B2R Technologies** sets up a rural BLO in Uttaranchal in May

## MNC Companies in India continue to grow their India operations

- CDC Software to ramp up India operations

## In telecom

- 3G auction closes on May 19, 2010 (40 days and 183 rounds) and Government to get Rs 67,000 crores (almost twice what was expected)! Airtel, Vodafone, Tata and Aircel are the main winners; they paid Rs 67,719 crores on May 30, 2010 to the Government
- BSNL is the 4<sup>th</sup> telecom operator to cross 100 million mark in terms of customer-base (both wire-line and wireless) in India on May 15, 2010
- BWA (WiMax) auction started on May 24, 2010

### In the **Education & Research** front

- Government suspends MCI (Medical Council of India) and replaces it with 7-person team of eminent people  
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- 14-year old wonder kid tops JEE in Delhi

### In the **people** front

- Prime Minister Manmohan Singh and Kiran Mazumdar Shaw in Times 100 list announced in May 2010
- Justice S H Kapadia is the new Chief Justice of India (effective May 12, 2010)
- Professor Nitin Nohria was named the Dean of Harvard Business School on May 4, 2010
- India-born ATM inventor Scot John Shepherd-Baron died on May 19, 2010 in London
- Bill Gates tours UP, Bihar villages in North India in the hot month of May!

### On the **applications** front

- External Affairs Minister Krishna launches “Passport Seva” on May 26, 2010 that is aimed at complete makeover of passport application processing

### On the **infrastructure** front

- Mysore and Mangalore airports got inaugurated on May
- Prime Minister dedicates Pipavav shipyard (the largest private sector ship building yard) to the Nation on May 31, 2010

### Some **interesting numbers**

- India added 16.90 million mobile subscribers in April 2010 with mobile subscriber base going up from 584.32 million by March end to 601.22 million by April end; with wire-line subscriber base going down marginally from 36.96 million to 36.83 million, the total telephone subscribers stood at 638.05 million by Apr 30, 2010 (TRAI Press Release of May 28, 2010)
- Nokia plant in Chennai is the largest of the nine plants that exports handsets to 70 countries (including USA)
- India's foreign exchange reserves stood at \$271.97 billion on May 28, 2010 (RBI Weekly Statistical Supplement)
- Most visited sites in the world are Facebook, Yahoo, Wiki, MSN, Baidu, Blogspot, Microsoft, qq and Mozilla (Google data)
- The top 10 companies in India in terms of market capitalization are RIL, ONGC, NTPC, MMTC, Infosys, TCS, SBI, BHEL, NMDC, Bharti and ITC (as per May 29, 2010 data)



## **M. V. CHAUHAN STUDENTS' PAPER CONTEST 2010**

OPEN TO : - STUDENT MEMBERS OF IEEE  
TOPIC : - ANY SUBJECT IN THE AREA OF INTEREST TO IEEE  
LAST DATE : - Monday, 2<sup>nd</sup> August 2010  
PRIZES : - FIRST : Rs. 6000  
SECOND : Rs. 4000  
THIRD : Rs. 3000

FIRST AUTHOR OF THE TOP THREE PAPERS WILL BE INVITED FOR PRESENTATION ON THE DATE AND AT THE PLACE, TO BE ANNOUNCED LATER.

### **RULES AND GUIDELINES**

- ☐ THE CONTEST IS OPEN TO ALL STUDENT MEMBERS OF IEEE IN INDIA
- ☐ PAPERS IN ANY SUBJECT OF INTEREST TO IEEE MAY BE SUBMITTED
- ☐ THE NUMBER OF AUTHORS FOR ANY PAPER SHOULD NOT EXCEED THREE
- ☐ A STUDENT CAN BE AN AUTHOR IN MORE THAN ONE PAPER.
- ☐ PAPER SHOULD BE PREPARED IN THE STANDARD IEEE DOUBLE COLUMN A4 FORMAT WHICH CAN BE OBTAINED FROM IEEE WEBSITE.
- ☐ LENGTH OF THE PAPER SHOULD BE 4 PAGES AND SHOULD NOT EXCEED 6 PAGES IN THE STANDARD DOUBLE COLUMN IEEE FORMAT.
- ☐ EACH ENTRY SHOULD HAVE A TITLE OF THE PAPER, NAME OF THE AUTHORS, THE AFFILIATION OF THE AUTHOR(S) AS IN IEEE FORMAT
- ☐ DECLARATION FROM THE BRANCH COUNSELLOR SHOULD ACCOMPANY EACH ENTRY IN THE FOLLOWING MANNER "IT IS CERTIFIED THAT THE AUTHOR..... IS AN IEEE STUDENT MEMBER. THE PAPER ENTITLED..... IS HIS/HER OWN WORK, ELIGIBLE FOR THE M.V.CHAUHAN STUDENTS' PAPER CONTEST 2010."
- ☐ IN CASE THE INSTITUTION DOES NOT HAVE AN IEEE STUDENT BRANCH, THIS DECLARATION SHOULD BE SIGNED EITHER BY A FACULTY MEMBER WHO IS AN IEEE MEMBER, OR BY THE PRINCIPAL.
- ☐ THE PAPER AND SCANNED COPIES OF SUPPORTING DOCUMENTS SHOULD BE SUBMITTED ELECTRONICALLY THROUGH E-MAIL AND TO BE SENT TO [kasi.rajgopal@ieee.org](mailto:kasi.rajgopal@ieee.org) AND A COPY TO [bprabhu@ieee.org](mailto:bprabhu@ieee.org)
- ☐ ORIGINAL & WORK ACTUALLY PERFORMED BY THE STUDENTS ONLY SHOULD BE SUBMITTED.

### **SUBMIT YOUR ENTRIES TO:**

Dr. Kasi Rajgopal  
CHAIR, IEEE INDIA COUNCIL  
Tel. 080 22932366  
[kasi.rajgopal@ieee.org](mailto:kasi.rajgopal@ieee.org)

### **copy to**

Dr. B R PRABHU ,  
VICE CHAIR - STUDENT ACTIVITIES, IEEE INDIA COUNCIL.  
IEEE MUMBAI Section  
[bprabhu@ieee.org](mailto:bprabhu@ieee.org)





**Jointly Organize**  
**IEEE ComSoc Distinguished Lecturer Tour – DLT 2010**  
**IEEE Nano-CAS 2010**

**Date : 17 July 2010 (Saturday)**

**Venue: Tata Consultancy Services (TCS)**

GDC Building, Delta Park-Lords (Besides IEM & IDBI Bank)  
Salt Lake Electronics Complex, Sector V, Block EP & GP, Kolkata – 700 091.

Registration Confirmation at TCS (GDC Building), Salt Lake : 9 am – 10.30am <b>Inauguration : 10.30 am – 10.45 am</b> Tea: 11.45 am – 12.15 pm		
Time / Session	Topic	Speaker
10.45 am – 1.15 pm IEEE ComSoc DLT 2010	<b>Converged Services And a New Generation of Networking</b>	<b>Dr. Bhumi Khasnabish</b> IEEE ComSoc Distinguished Lecturer (DL)
Lunch: 1.15 pm – 2.30 pm		
2.30 pm - 4 pm IEEE Nano-CAS 2010	<b>Introduction to Nanoscience and Technology: Basic Ideas, Properties and Applications</b>	<b>Dr. Kalyan Kumar Chattopadhyay</b> Jt. Director School of Materials Sc. & Nanotech. Jadavpur University (JU), Kolkata – 700 032
4pm – 4.30 pm	<b>Vote of Thanks, Certificate Distribution &amp; Tea</b>	

**For Registration:**

Send an email to [pvwn@ieee.org](mailto:pvwn@ieee.org)

State Your Name, Category, Affiliation, Address, Mobile # & Payment Details

**Categories of Registration Fee:**

**IEEE Student Members (S) & IEEE Members (M) : Rs.50/-**  
**Students (Non-IEEE): Rs. 100/-; Non-IEEE Members: Rs.200/-**

Pay by **Cash** or By **DD / Local Cheque** in favour of “**IEEE Calcutta Section**”, To:

P. Venkateswaran, Room #: T-4C-7, Third Floor, ETCE Dept., JU, Kolkata-32

Tel. #: (033) 2414 6666 Extn. 2786; <http://ewh.ieee.org/r10/calcutta/cas/>

- Participation on **Pre-Registration Basis** only; There will be **NO** Spot Registration.
    - Total 75 Participants only on First-Come First-Served Basis
    - **Last Date for Pre-Registration : 10 July 2010**
- All the Registered Participants must bring Photo ID-Card to the Program

For Further Details:

**Dr. S. Mandal, Chair, IEEE ComSoc Calcutta Chapter**

(swarup\_m@ieee.org) Cell #: 9830776619

<http://ewh.ieee.org/r10/calcutta/comsoc/>

**Co-Sponsor:**

**Tata Consultancy Services (TCS), Kolkata**

# **CALCUTTA SECTION** jointly with **INDIA COUNCIL**

**Organizing**

**2010 Annual IEEE India Conference (INDICON)**

## **IEEE INDICON**

### **2010**

**Theme:**

### **Green**

## **Energy, Computing, and Communication**

**December 17-19, 2010**

**At**

**Jadavpur University, Kolkata, India**

#### **About IEEE INDICON 2010**

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 has been a metamorphic version of Annual Convention and Exhibitions (ACE) which was the annual meeting of IEEE India Council.

During ACE2003 it was decided to completely restructure it in form of a conference where India Council would formally meet also. It was renamed as INDICON and the first INDICON was organized by IEEE Kharagpur Section at IIT Kharagpur during 20-22 Dec, 2004. Subsequently INDICON were organized by IEEE Madras Section (11-13 Dec, 2005), IEEE Delhi Section (15-17 Sep, 2006), Bangalore Section (6-8 Sep, 2007), IEEE UP Section (11-13 Dec, 2008) and IEEE Gujarat Section (18-20 Dec, 2009).

This year IEEE INDICON 2010 is being organized by IEEE Calcutta Section at Kolkata during December 17-19 2010. This program is dedicated to the great Scientists Sir J C Bose and Sir C V Raman whose contribution will be recognized by IEEE.

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity. Impact of Industrialization on the environment is a major global concern. The exponential growth in computers, communication, IT and energy industry by and large is a potential threat to the environment presently. Combating these issues and adopting environmentally sound practices are the challenges of the world. Green awareness and suitable design approaches to achieve Green Computing, Green Communication and Green Energy are the focus of this conference. Advances in Nano bio neuro-science and photonic engineering are included in the focal theme to assess their potential as next generation -energy efficient environment friendly technology.

#### **Call for Papers**

Authors are invited to submit original contributions in the following general and theme based topics (not exhaustive):

**Power & Energy Systems** Modeling and Simulation, Applications of AI techniques, Applications of Power Electronics, Electrical Machines, Instrumentation, Control and Testing Techniques

**Computing** Algorithms and Computational Complexity, AI and Soft Computing, Bioinformatics, Architecture, Cryptography and Information Security, Data mining and knowledge Discovery, e- Commerce, Embedded Systems, grid and cloud Computing, Healthcare management Systems, Image Processing and Pattern Recognition, Multimedia, Networks, Parallel, Distributed and multicore computing, pervasive computing

**Communication** wired/wireless telecommunications, optical communication, mobile/ wireless communication, Broadband communication, pervasive communication, analog/digital Communication systems, signal processing and coding techniques, communication networks, Internet Technologies, telecom security, Convergence of technologies, Protocols and Standards, Test beds and simulation tools, Subsystems and Components, physical layer issues

### Theme Based

**Green Energy** Power Quality, Alternate energy sources, Nanotechnology, Ultra capacitors and batteries, Power electronics in green industrialization, Energy –efficient power converters , Green metrics, assessment tools, and methodology , Eco-labeling of IT products, Bio Engineering

**Green Computing** Environment-friendly, sustainable, energy-efficient computing, data center design, layout, and location, Responsible disposal and recycling

**Green Communication** Energy-efficient protocols, devices, and networks, Energy-efficient smart home and office

Conference proceedings will be accessible through IEEE Xplore.

**Paper Submission Format** Papers for both oral and poster presentations should be no longer than 4 pages of A4 size as prescribed in the IEEE format. All submissions must be in English only. Extra pages will incur a charge of Rs 1500/- per page in addition to the registration fee indicated in the fee table.

### Paper Submission Details

Paper has to be submitted electronically through conference website to be launched in May, 2010.

### Important Dates for Paper Submission

<b>Deadline for Paper Submission</b> <b>15 July, 2010</b>
<b>Acceptance Notification</b> <b>15 September, 2010</b>
<b>Deadline for Final Manuscript Submission</b> <b>15 October, 2010</b>

### Tutorials

INDICON offers various tutorials on latest technologies and concepts by experts of the respective fields to motivate young researchers and developers. Half-day tutorials (not more than 3 hours) are being planned on the first day of the conference, i.e., December 17, 2010 during the INDICON 2010. Researchers and students from all over India are encouraged to attend these tutorials during the conference. In order to encourage participation, the registration fees for Tutorials are nominal.

<b>Tutorial Topic Announcement (on INDICON 2010 website):</b> <b>20 Sep, 2010</b>
<b>Tutorial Registration opens:</b> <b>1 Oct, 2010</b>
<b>Tutorial Registration closes:</b> <b>5 Dec, 2010</b>

Seats are limited in each tutorial. Approval of registration will be on first come first serve basis. Registration will be confirmed on receipt of the fees by 30 Nov, 2010. For any further queries regarding paper submission please contact us at [indicon10@gmail.com](mailto:indicon10@gmail.com) . Please mention "Paper Submission" or 'Tutorial' in the subject line of your mail.

### Special Sessions

Kolkata being a pioneer in several aspects, this INDICON introduces this new feature which will include a convention of the Women In Engineering groups in India, followed by a panel discussion on *Entrepreneurship and Women Engineers*.

### Accommodation

Registration fee doesn't include accommodation. Some suitable arrangements for accommodation will be made on self-pay basis for candidates who request for the same.

Accommodation booking will be done on first come first serve basis provided a request has been made in the Registration form

### Contact Details

INDICON 2010 Conference Secretariat C/o Dept of Electronics & Telecommunication Engineering  
Jadavpur University, Kolkata 700032, India E Mail: [indicon10@gmail.com](mailto:indicon10@gmail.com)

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## Did You Know?

You can keep up-to-date with news, sports, weather, or any other topic right from within myIEEE. The new myDesktop allows you to import IEEE and external RSS feeds. Here's how.

### Step 1:

Login to [myIEEE](#).

### Step 2:

Click on "Customize."

### Step 3:

Click on "Import an RSS Feed."


### Step 4:

Paste the RSS Feed URL. (for example:  
[http://rss.cnn.com/rss/cnn\\_tech.rss](http://rss.cnn.com/rss/cnn_tech.rss)).  
Click on "Add."



### Step 5:

Return to myDesktop. You should now be able to see the My Feeds gadget.

Click on the gear icon  in the header to adjust your feed settings.

It's that simple!