



IEEE India Info



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IEEE India Council
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Editor - Hitesh Mehta

Message from Chairman



Greetings from IEEE INDIA COUNCIL.

CONGRATULATIONS

The greatest News of the Decade is here to celebrate the winning of IEEE Annual election by Our Indian candidate Mr Ramakrishna, who is former chair of Bangalore section and secretary of IEEE India council as Director elect for 2013-14 for Region 10. We would like to convey our very sincere thanks to all the voters for giving India this opportunity to serve you better and Heartiest Congratulations to Mr. Ramakrishna. Prof. Sivaji Chakravorti been elected as Fellow of National Academy of Science India, Allahabad, (FNASc) for the year 2012. Heartiest Congratulations.

The IEEE Milestone Plaque for the "First Millimetre-wave Communication Experiment" by Sir J.C.Bose in 1894-1896 was formally dedicated on 15th September 2012 at the Presidency University in Kolkata. In a glittering ceremony the plaque was handed over to Prof. Malabika Sarkar, Vice-Chancellor of Presidency University, by Dr. Peter Staecker, IEEE President Elect. The milestone plaque was subsequently installed at a prominent location within the Presidency University campus. Dr. Peter Staecker made a valuable presentation on the importance of this milestone as well as this event. He specifically expressed his happiness to be able to be present on the occasion of the dedication of first IEEE milestones in India. Congratulation to IEEE Kolkata Section.

Mr Gopi Kumar Bulusu <gopi@sankhya.com> is trying his best to initiate New IEEE VTS Chapter under the India Council. Members interested may pl. contact him.

Thanks for your kind support and Looking forward for your inputs.

Dr. Ram Gopal Gupta

General Chair, ICTEE 2012

Chair, IEEE Education Society Chapter, India

IT in August 2012

General

- ✦ Government of India notifies IT Policy 2012 on September 22, 2012
- ✦ Diesel price hiked on September 13, 2012; Bengal Chief Minister Mamta Banerjee withdraws support to UPA government; all in the week of September 17-23; and finally, Government plans many schemes to jump start the economy on September 22, 2012
- ✦ Kochi Metro foundation stone laid by PM on Sep. 14
- ✦ Air India gets its first Boeing 787 (Dreamliner) series planes on September 8, 2012; commences operations on September 19, 2012
- ✦ US Ambassador in Libya was killed on September 12, 2012
- ✦ Fire in Sivakasi fireworks factory kills dozens on September 5, 2012
- ✦ Kudankulam nuclear plant protest saw one person killed in police shoot-out on September 10, 2012

Products

- ✦ **Nokia Lumia 920 & 820** launched on September 5, 2012
- ✦ **Amazon Kindle Fire** new models launched on September 6, 2012
- ✦ **Lenovo "ThinkPad Carbon"** claimed to be the world's thinnest business Ultrabook released on September 10, 2012
- ✦ **Apple** announces **iPhone 5** on September 12, 2012; pre-order starts on September 14, 2012 at 00:00 hours; pre-order finished in one hour (it took 22 hours for iPhone 2 and 20 hours for iPhone 4S); 5 million sold within 3 days after the actual sales started on September 21, 2012
- ✦ **Apple** announces new **iPod Touch & iPod Nano** models also on September 12, 2012
- ✦ **Wall-Mart** launches dedicated search engine (5 of the 20 developers are in Bangalore) **Polaris** (based on Kosmix developed by Anand Rajaraman)
- ✦ **Asus** launches **PadFone** (Smart Phone cum Tablet combo) for Rs. 65,000 in September 2012 in India

Markets

- ✦ TechMahindra acquires Hutchinson India call center for Rs. 480 crores on September 4, 2012; also buys 51% stake in Comviva (mobile value added services company) for Rs 280 crores
- ✦ Infosys buys Swiss consulting firm Lodestone for \$ 350 million on September 9, 2012; also Infosys BPO arm buys US-based claims processing Marsh BPO on September 20, 2012



Prof. S. Sadagopan

Indian IT companies

- ✦ **Wipro** starts 2,000-seat facility in Vizag on Sep 22, 2012
- ✦ **TechMahindra** acquires Hutchinson India call center for Rs. 480 crores and buys 51% stake in Comviva (mobile value added services company) for Rs 280 crores
- ✦ **Infosys** buys Swiss consulting firm Lodestone for \$ 350 million and Infosys BPO arm buys US-based claims processing Marsh BPO

MNC Companies in India

- ✦ **Microsoft** AppFest (developer event where 2,567 developers participate on a 18-hour marathon) on September 21, 2012 creates Guinness Boo world record
- ✦ **Google** Pay lets App developers from India to upload "paid Apps" from September 22, 2012

People

- ✦ Justice Kabir to take over as Chief Justice of India from October 1, 2012
- ✦ Kaushik Basu is Chief Economist for World Bank from October 1, 2012
- ✦ IBM Chairman Sam Palmisano & Dell Founder & CEO Mike Dell visited India in September 2012
- ✦ Father of "white revolution" Kurien passed away on September 9, 2012
- ✦ US Envoy to Libya killed on September 11, 2012 (after 44 years of similar killing of US Envoy in Pakistan)
- ✦ Former Editor of The Hindu Mr. G Kasturi passed away on September 21, 2012

Telecom

- ✦ Reliance increases mobile tariff by 25% on Sep 22, 2012 (earlier Airtel increased tariff by 10%)

Education & Research

- ✦ City Montessori School (CMS) in Lucknow in the State of Uttar Pradesh with 39,437 pupils in the year 2010-11 is the world's largest school according to 57th Edition of Guinness Book of Records (2013)

Some interesting numbers

- ✦ Indian telecom subscribers were down by 5 million (for the first time in nearly 10 years the subscriber count went down in July 2012)! The total subscriber base stood at 939 million (908 wireless and 31 million wire-line subscribers) on July 31, 2012 (TRAI Press Release September 7, 2012)
- ✦ On September 28, 2012 Sensex (BSE Stock Market Index) stood at 18,762.7; Rupee: Dollar was at 52.7; and, Foreign Exchange reserves were USD 294.8 billion (RBI Bulletin)
- ✦ Infosys filed 13, 40, 29, 56 and 41 (till Sep) of US Patents in 2008, 2009, 2010, 2011 and 2012 respectively

Recognition

Dr. Sivaji Chakravorti, FNAE

Dr. Sivaji Chakravorti did his BEE, MEE and PhD from Jadavpur University, Kolkata, India, in 1983, 1985 and 1993, respectively. From 1985 he is a full-time faculty member of Electrical Engineering Department of Jadavpur University, where he is currently Professor in Electrical Engineering. In 1984 he worked at the Indian Institute of Science Bangalore as Indian National Science Academy Visiting Fellow. He worked at the Technical University Munich as Humboldt Research Fellow in 1995-96, 1999 and 2007, respectively. He served as Development Engineer in Siemens AG in Berlin in 1998. He has also worked as Humboldt Research Fellow in ABB Corporate Research at Ladenburg, Germany, in 2002. He worked as US-NSF guest scientist at the Virginia Tech, USA, in 2003 and as



guest scientist at Technical University Hamburg-Harburg, Germany, in 2005. He is the recipient of AICTE Technology Day Award for best R&D project for the year 2003. He is a Fellow of Indian National Academy of Engineering, a senior member of IEEE and distinguished lecturer of IEEE Power Engineering Society. He has published more than 130 research papers, has authored a book, developed three online courses and has guided 10 PhD theses. His current fields of interest are numerical field computation, computer aided design and optimization of insulation system, condition monitoring of transformers, signal conditioning in high voltage systems, application of artificial intelligence in high voltage systems and life-long learning techniques

Fire and Security Association of India (FSAI)
 With technical co-sponsorship by
The Institute of Electrical and Electronics Engineers (IEEE)
Industrial Applications Society & IEEE PES/IAS/PELS Hyderabad Joint Chapter
Electrical and Fire Safety Workshop
November 8-10, 2012
Novotel Hyderabad International Convention Center, Hyderabad, India

EFSWIN 2012 will focus on three objectives:

- ▲ To provide technically accepted solutions to some of the most important questions related to electrical accidents and fires, their prevention a protection against such occurrences.
- ▲ To share the knowledge and data available.
- ▲ To display and demonstrate not only the popular and common products and technologies but also emerging and innovative ideas and resources

EFSWIN 2012 will feature technical presentations, tutorials and a products & services expo. For the titles of the tutorials, seminars, and for registration, download EFSWIN 2012-Brochure in the home page of www.efswin.org

SEMINAR

- ▶ Summary of Arc Flash Hazard analysis performed on some Indian plants
- ▶ Determining the cause of Electrical Fire and Injuries
- ▶ High resistance Earthing for reducing Arc Flash Hazards
- ▶ Electrical Safety Audits
- ▶ An overview of Arc Flash – Mitigation Technologies
- ▶ Indian Standards in Electrical Safety
- ▶ National Electric Code of India for Safety
- ▶ Smoke / Heat detection systems for Electrical Installations
- ▶ Importance of employee training in ensuring Electrical Safety
- ▶ Case studies of select Electrical Fire Accidents and lessons to be learnt
- ▶ Pre-commissioning Electrical Inspection
- ▶ Evacuation procedure for High-rise Building in event of Electrical Fire Accidents
- ▶ Fire Suppression / Fire Fighting systems for Electrical Fires

TUTORIALS

ON ELECTRICAL

- ▶ Switching procedures for Operation and Maintenance of Electrical Systems
- ▶ Safety, Operation and Maintenance
- ▶ Safety by Design and NFPA 70 E
- ▶ Safety and Reliability by protection and co-ordination of Electrical Systems
- ▶ Intelligent Building Management Systems for Safe Electrical and Fire Safety

ON FIRE SAFETY

- ▶ Fire & Evacuation Modelling
- ▶ Passive Fire Protection Systems
- ▶ Sprinklers Hydraulics
- ▶ Water Mist Systems
- ▶ Smoke Management
- ▶ Fire Safety Audits

PANEL DISCUSSIONS

- ▶ Ensuring a safer environment through pro-active approach
- ▶ Role of Government Departments / Agencies in Electrical Safety
- ▶ Retrofitting of safety measures in existing buildings

Both FSAI and IEEE are working on the topics, speakers, and will arrive at a final summary of topics. Updates on these will be given in workshop website in coming months at www.efswin.org

SOME OF THE CONFIRMED SPEAKERS



Mr. Erling Hesla

SMIEEE, Consultant, Seattle, USA,
Chair working group, IEEE standard 1902-1988.

- Graduated in Electrical Engineering from the University of British Columbia, Canada.
- He has over five decades of Industrial and Consulting experience.
- His Consulting Engineering career runs the gamut from design level through management of projects. Legal testimony as an expert electrical witness form a small but significant part of his professional activities.



Mr. Daleep C Mohla

FIEEE, Consultant USA.

- Received his Bachelors Degree in Electrical Engineering from West Virginia Institute of Technology, USA.
- Served as chair of the Electrical Functional Team of the Process Industry Practicing group.
- Honors Include the Dave Azbill Award (2007) and three prize paper awards from the IEEE Industry Applications Society's Petroleum and Chemical Industry Committee.
- Prestigious IEEE Steinmetz Award in 2011 for contributions to Safety Standards for Operation and Maintenance of Industrial Power Systems.



Dr. T. Asokan

FIEEE, GE Bangalore

- First Chief Scientist of GE Global research outside USA and in GE India Engineering Group.
- Visiting Scientist from 1990 to 1994 at the University of South Carolina, Columbia, USA and a Post Doctoral Fellow from 1988 to 1990 at the University of Manchester Institute of Science and Technology (UMIST), Manchester, UK.
- Earned his Ph.D in HV surge protection devices from the Indian Institute of Science, Bangalore, India where his thesis won the 'Best Engineering Thesis' award.
- Filed 32 USA patents and published over 60 papers in journals and conference proceedings.



Prof. PK Sen

FIEEE, USA

- Over 44 years of combined Teaching, Research and Consulting Engineering experience in substation design, system studies, protection and relaying and all aspects of power equipment and system engineering.
- Presently he is a professor and the Director of Industry University Co-operative Research Center at Colorado School of Mines in USA.
- Known in the industry in USA and internationally for providing educational programs for practicing engineers at all levels. He is an inspiring and prolific educator with passion.
- IEEE Industry Applications Society Distinguished Lecturer for 2012 & 2013.



Mr. John Nelson

FIEEE, Chairman IEEE IAS Petroleum & Chemical Industry Committee

- An IEEE Fellow with over 42 years of professional engineering experience.
- He received a BSEE from the University of Illinois and an MSEE from the University of Colorado.
- Expertise lies in the area of power system analysis, system protection and system grounding.
- Taught number of tutorials through IEEE and also taught undergraduate and graduate classes in electrical engineering at the University of Colorado Denver Campus.
- Received the Prestigious 2012 Richard Kaufman Award.
- President of IEEE IAS Petroleum and Chemical Industry Committee.

Report on IEEE Milestone Plaque Dedication Ceremonies in Kolkata

Date: 15th September

**Dedication of IEEE Milestone Plaque
for Sir J.C.Bose:**

**Venue: Presidency University,
Kolkata, India**



IEEE Milestone Plaque for
Sir JC Bose



Milestone Plaque for Sir JC Bose
as installed at Presidency University



Dignitaries on the dais in the
plaque dedication ceremony



A section of the audience at Presidency
University, Kolkata

The IEEE Milestone Plaque for the **"First Millimetre-wave Communication Experiment" by Sir J.C.Bose** in 1894-1896 was formally dedicated on 15th September 2012 at the Presidency University in Kolkata. In a glittering ceremony the plaque was handed over to Prof. Malabika Sarkar, Vice-Chancellor of Presidency University, by Dr. Peter Staecker, IEEE President Elect. The milestone plaque was subsequently installed at a prominent location within the Presidency University campus. In this program Prof. Malabika Sarkar, Vice-Chancellor of Presidency University, and Prof. Sivaji Chakravorti, Chairman, IEEE Kolkata Section, extended warm welcome to the large number of audience including members of press and local intelligentsia. Prof. Kalyan K Mallik and Prof. Pradip K Saha, proposers of the IEEE Milestone, talked about the significance of IEEE milestones as well as the significance

of Sir JC Bose's contribution. Dr. Peter Staecker made a valuable presentation on the importance of this milestone as well as this event. He specifically expressed his happiness to be able to be present on the occasion of the dedication of first IEEE milestones in India. Prof. Sabyasachi Bhattacharya, Former Director of Tata Institute of Fundamental Research, Prof. Sibaji Raha, Director, Bose Institute, Kolkata, and Prof. Somak Raychaudhury of Presidency University, made captivating presentations. The message from Prof. Bikash Sinha, Former Director of Saha Institute of Nuclear Physics and Variable Energy Cyclotron Center, was also read. More than 200 participants took part in this IEEE milestone plaque dedication ceremony.



Handing over of the plaque

Date: 15th September

**Dedication of IEEE Milestone Plaque
for Sir C.V. Raman:**

**Venue: Indian Association for the
Cultivation of Science, Kolkata, India**



IEEE Milestone Plaque for
Sir CV Raman



Milestone Plaque for Sir CV Raman
as installed at IACS



Dr. Peter Staecker making his
presentation at IACS



A section of the audience at
IACS, Kolkata

The IEEE Milestone Plaque for the **"Raman Effect" by Sir C.V.Raman** in 1928 was formally dedicated on 15th September 2012 in the Indian Association for the Cultivation of Science in Kolkata. In a very well attended program the IEEE Milestone plaque was formally handed over to Prof. Kankan Bhattacharyya, Director, Indian Association for the Cultivation of Science, by Dr. Peter Staecker, IEEE President Elect, which was then installed at an important location within the IACS campus. In this enthralling program, Prof. Kankan Bhattacharyya spoke on the work carried out by Sir CV Raman at IACS.



Handing over of the plaque

The welcome address was given by Prof. Sivaji Chakravorti, Chairman, IEEE Kolkata Section. Prof. Kalyan K Mallik and Prof. Prasanta K Basu, proposers of IEEE Milestone, spoke on the process of IEEE Milestone approval as well its significance. Dr Peter Staecker in his absorbing address spoke on the significance of CV Raman's work in relation to technology development and also on the significance of IEEE milestones in India. About 250 participants attended this program which included members of English as well as vernacular print and electronic media, people from academia and also people from different strata of the society interested in the growth of science and technology.

Media Coverage of the programs:

Both these two programs were very widely covered by local English and vernacular Bengali print and electronic media. The clipping of the news articles published in local print media both before and after the programs are given below:

Pre-Event News Clippings:



Times of India (English Daily)
– 10th August 2012



Hindustan Times (English Daily) –
12th September 2012

Post-Event News Clippings:



Times of India (English Daily)
– 16th September



Hindustan Times (English Daily)
– 16th September 2012

Submitted by –Sivaji Chakravorti
Chair, IEEE Kolkata Section

Editor's Message



Dear Members,

Seasons' Greetings!!

We are trying to change look and feel of your newsletter, so give nicer experience while reading. Please give your feedback on same. Newsletter is useful when contents of it is useful for members at large. So, please contribute by reporting events at your section, article, interesting facts and anything which is useful to members in general.

Mr K Ramakrishna from Bangalore section has been elected as Director elect for Region 10 (2013-14) and Mr Gowtham Prasad, again from Bangalore section has been invited to join R10 Execom as Electronics communication co-ordinator. Congratulations and best wishes to both of them.

IEEE all india Student congress completed in last week of September at Bangalore successfully and around 200 students representing all 11 sections of India participated in that. Detailed report shall be published in next edition of newsletter.

Looking forward your suggestions and comments.

Regards
Hitesh Mehta
Editor