



IT in 2012

Prof. S.Sadagopan



General

- Cabinet okays Presidential reference on 2G judgment on April 9, 2012
- In a bizarre case, Mamta Banerjee Government in Bengal arrests Professor A Mahapatra of Jadavpur University for forwarding a mail that had criticized the Chief Minister on April 12, 2012
- BJP wins Delhi municipal elections in April 2012

Globally,

- Massive earthquake measuring 8.9 on Richter scale in Indonesia on April 11, 2012; thankfully, not much less damage to lives & property
- Taliban attacks Kabul on April 15, 2012

Technology

- India successfully tests the launch of ICBM in the form of "Agni V" on April 19, 2012 from "Wheeler Island" off Odisha State
- ISRO launches Radar Imaging Satellite RISAT 1 on perfect orbit on April 27, 2012
- Gujarat launches 600 MW solar power plant on April 19, 2012 in Charnaka village in Patan

PRODUCT

- Airtel launches 4G in Kolkata on April 14, 2012
- Bharat Electronics launches sub-Rs 5,000 "Tablet PC" for Rural Development Ministry
- Data wind launches UbiSlate Tablet for Rs 3,000 in April 2012
- HCL launches Tablet for students on April 3, 2012

Globally,

- Apple "New iPad 2" launched in India on April 27, 2012 about a month later than US launch
- Google launches Google Drive on April 25, 2012
- Intel launches Atom-powered smartphone Xolo 900 in partnership with Lava mobiles in India on April 19, 2012
- Barnes & Noble releases their EBook Reader on April 13, 2012; it has a "glowing" screen!
- Nokia Lumia 900 launched in USA with AT&T on April 8, 2012; the software bug drags sales down, though \$100 refund made phone free and sales started picking up speed! Also NFC phone Lumia 610 was launched on April 10, 2012 at a much reduced price

Market

- **S & P** lowers credit rating of India on April 25, 2012
- Indian IT companies TCS, Infosys, Wipro, HCL post good results for the year 2011-12, though the outlook for the year 2012-13 is not all that rosy
- **Patni** will become history after delisting in April 2012
- **Facebook** acquires TagTile (IITD / IITK alum funded), a customer loyalty program provider on April 12, 2012
- PC sales in Q1 surprises the market with modest recovery

Globally,

- With 25.4% market share as against Nokia's 22.4% (in January – March 2012) quarter, **Samsung** is the No. 1 handset manufacturer in the world ending 14 year dominance of Nokia
- **Facebook** acquires Instagram for \$ 1 billion on April 9, 2012 (2-year old startup with 15 employees and zero revenue!)
- **Apple** posts record profit of \$ 11.6 Billion for January – March 2012 quarter
- **Microsoft** invests \$ 300 million in Barnes & Noble Nook Tablet on April 30, 2012

Indian IT Companies

- TCS revenue for the year 2011-12 crosses \$ 10 billion
- Wipro buys Australian Analytics company Promax Applications for \$ 35 million on April 30, 2012

MMC IT Companies

- Wal-Mart sets up R & D Center in Bangalore, India - the first outside Silicon valley in USA - the 400-seater facility was launched on April 17, 2012
- German auto major Daimler commissions its truck plant in Chennai on April 18 (likely to become the largest truck plant in the world)
- SingTel to double India head count

Telecom

- Airtel launches 4G LTE in Kolkata on April 14, 2012 (the first in India)
- Google ties up with Reliance for Android phones in India; every Android phone to come with free Reliance SIM card from April 12, 2012

Education & Research

- Six scientists of Indian origin (including Bangalore-based Prof K VijayRaghavan of NCBS) get elected to Royal Society on April 22, 2012
- AICTE signs one of the largest contract with Microsoft for cloud computing
- Supreme Court in a landmark decision upholds RTE (Right To Education) on April 12, 2012

Applications

- RFID-based Electronic Toll Collection facility (with driver not having to stop) - the first in the country - was commissioned on April 19, 2012 in Chandimandir area near Chandigarh in Haryana
- **Facebook** on mobile phones is available in eight Indian languages from April 3, 201

People

- TCS CEO Chandra is NASSCOM Chairman from April 2012
- Justice Dalveer Bhandari from India elected as President of Int'l court of justice in New York on April 27, 2012
- District Collector in Odisha Alex Paul Menon was abducted by Maoists on April 21, 2012
- R H Patil considered the father of electronic trading in India passed away on April 12, 2012

Some Interesting numbers

- Indian phone subscriber base touches 951.34 million (919.17 of mobile and 32.17 of wire-line subscribers); net addition of mobile phone subscribers in March 2012 stood at 8 million, while wire-line subscribers shrank by 0.15 million in March 2012 (TRAI Press Release)
- Rupee : Dollar ratio stood at 53.14 on April 30, 2012 (RBI)
- With \$ 4.5 billion as purchasing power adjusted GDP, India edges past Japan at \$ 4.4 billion (USA at 15.1 and China at 11.3 billion respectively) in April 2012. In per capita term US stands at \$ 48,387, Japan at \$ 34,740, China at \$ 8,382 and India at \$ 3,694 respectively – a long way to go!
- TCS revenue for the year 2011-12 crosses \$ 10 billion
- LinkedIn has the second largest customer base in India
- Apple sells 35.1 million iPhone, 11.8 million iPads, 4 million Macs and 7.7 million iPods in the January – March quarter 2012

INDICON 2012

2012 ANNUAL IEEE INDIA CONFERENCE

International Conference on Innovations in Social and Humanitarian Engineering

07-09 December 2012 | Kochi, Kerala, India

Organised by IEEE Kerala Section jointly with IEEE India Council

<http://www.indicon2012.org>

Call for papers

There is a growing trend around the world for engineering to address issues of human development. INDICON 2012 brings together a diverse community of engineers in a quest for technologically appropriate, environmentally sustainable, socially acceptable and economically sound solutions. The conference tries to stimulate and foster engineers to work towards innovative and technology-based solutions to address the most compelling challenges facing the humanity today. In alignment with IEEE's core vision of advancing technology for humanity, the theme of the conference is "Innovations in Social and Humanitarian Engineering".

Consistent with the above theme, we invite participation and contribution of original research works in the myriad of topics listed below as well as from related areas:

Power & Energy

Power Quality - Smart Grids - Design, Control and Management – Demand Response - Advanced Metering Infrastructure – Interoperability Standards - Home Energy Management Systems – Protection - RAM (Reliability, Availability, Maintainability) - Grid integration of renewable energy source - plug-in electric vehicles - co-energy - distributed generation - efficiency and conservation - Solar energy - Hydro energy - Wind energy - wind turbines - Ocean energy: tidal and wave - Biomass, Biofuels - Energy Harvesting - other alternative and renewable means of power generation

Communications & Networking

Channel measurements and modeling - Coding and modulation techniques - OFDM technology - Cognitive Radio - Antennas and propagation - MIMO - theory and trials - Spread Spectrum and CDMA systems - Space-time coding, Ultra Wide-Band Communications - Broadband Wireless Access, Next-generation Networks, Secure communications - Mobile ad-hoc, Mesh, Cooperative, Sensor Networks - Home networking - Cross Layer Design - Embedded Internet devices - New and enhanced services - Resource and information management - Adaptive QoS provisioning - End-to-end QoS - Optical Communications and Networks

Computational Science & Engineering

Intelligent and Bio-inspired Computing - Distributed and Parallel Computing – Multi-core and GPU Computing – High Performance Computing – Database and Data Mining - Cluster, Grid, P2P and Cloud Computing - Mobile Computing - CSE Education - Scientific and Engineering Computing - Embedded and Ubiquitous Computing - Advanced Networking and Applications - Security, Privacy and Trust - Service and Internet Computing - Dependable, Reliable and Autonomic Computing - CSE applications (bioinformatics, global optimization problems, computer graphics and multimedia, data mining, signal and image processing, etc)

Signal Processing & VLSI

Signal Processing Algorithms & Architectures - Smart antennas and tracking algorithms - Signal separation & identification - Adaptive and Array Signal Processing - Audio, Speech, Image & Video Signal Processing - Underwater Communications and Signal Processing - VLSI for communication

& Signal Processing - Non-linear and Biomedical Signal Processing - Spoken Language Processing - Unconventional Applications of Signal Processing - Compressive Sensing and Applications - Detection and Estimation Techniques - Emerging Trends in VLSI - Nanoelectronics -MEMS, VLSI Circuits and Systems - Field-programmable and Reconfigurable Systems - System Level Design - System-on-a-Chip Design - System Issues in Complexity - Low Power, Heat Dissipation - Power Awareness in VLSI Design - Test and Verification - Mixed-Signal Design and Analysis - Electrical/Packaging Co-Design

Interdisciplinary & Humanitarian Engineering

Disaster management - Distributed Generation & Communications Solutions for Isolated - Communities, Solutions for the Differently-abled - Space Applications for Development - Preventive Humanitarian Action - Environmental Engineering - Climate Change Mitigation & Adaptations - Sustainable Energy Use - Education Technologies - Enabling Technologies for Human Development - Engineering for Common Property Resources (Agriculture, Forestry, Fisheries) - ICT use in Social Development, Biomedical and Medical Technologies Logistics & Transportation Engineering, Water Resources Management, e-Waste engineering

Important Dates

| | |
|---|---------------|
| Last date for submission of full papers | : 30-Jun-2012 |
| Intimation of acceptance of papers | : 01-Oct-2012 |
| Camera-ready paper submission with author registration | : 01-Nov-2012 |

Accepted and presented papers will be published in the IEEE 2012 Conference Proceedings, in IEEE Xplore® and will be EI indexed. Authors are invited to submit papers in electronic format through EasyChair. Login EasyChair through: <https://www.easychair.org/conferences/?conf=indicon2012>

For more details, please visit the Conference Website: www.indicon2012.org

For details, please contact: info@indicon2012.org



Editor's Message

Dear Members

Greetings from IEEE India Council. This is the time when most of the engineering colleges are observing vacations, and so we can see reduction in student activities at IEEE student branches. Nevertheless we see lot of activities at different IEEE sections. Student members are strength of IEEE in India, and we expect our students to continue their membership in future and contribute to IEEE for bigger cause.

I request all members and senior members to contribute with their articles for our newsletter. This is the platform to share your thought with whole IEEE fraternity in India. I urge our student members also to creatively contribute to newsletter.

This is the right time to recruit new IEEE members as new members have to pay only half year dues. Please encourage people in your circle to take advantage of this opportunity and join the world's largest professional body.



With Best Wishes

Hitesh Mehta

Editor

An Introductory Review of the book “THE SHALLOWS” by Nicholas Carr

**Dr.S.Thiruvengadam, Professor of Eminence
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This book has a far reaching concept as its core. The title indicates that the main theme revolves around “lack of depth” and “widely spread out” nature of a very significant aspect of Information technology namely, the Internet.

In Chapter one, Nicholas Carr records that he himself has an uncanny feeling that somebody is “reprogramming his memory” and that his mind is changing especially when he is reading, which he cannot do “with ease” nowadays. His friends also suffer from similar “afflictions”. Many other authors also concur with him and feel that internet is altering their mental habits. He has almost lost the ability to read and absorb a serious article in web or in print. It is also reported that Internet alters the way people absorb information. Instead of reading a page from left to right and top to bottom, people tend to skip around, scanning their desired information. Even students of literature find it difficult to read whole books. They lose patience quickly when they come across lengthy arguments. What is happening? Is the “calm, focused, undisturbed, linear mind, being pushed by a new kind of mind that wants to take in and dole out information in short, disjointed often, overlapping bursts”? Nicholas Carr, in the ten chapters of his book, postulates how Internet is “rewiring” our brains. Of course, this entails profound changes in the way we live and communicate. He stresses that from “deep thinking” our mind is sliding into the depthless shallow of distraction opened by “Web”. Will it fuel ignorance? Is Internet “changing the way we think read and remember”?

In the beginning chapter, he analyses how the use of a tool like Typewriter had subtle effects on the works of Friedrich Nietzsche. In a chapter entitled “Tools of the mind” Carr discusses how “map and clock” technology translated natural phenomena like Space and Time into artificial and intellectual visualizations of those phenomena. In the same chapter, Carr advances the idea that our technologies will fall into four categories – as per the way they enhance native human potential for action.

One set extends/ amplifies our physical “strength, dexterity and resilience”.

Another set increases the range or “sensitivity of our senses”.

Yet another set helps us “to reshape nature to serve us better”

The map and clock belong to the fourth category which extends or supports our mental power or in the words of sociologists, Jack Gandy and Daniel Bell can be called as “intellectual technologies”.

Chapter four dwells on how the printing press and its outputs are being slowly 'shoved' away from intellectual life. Their places are being usurped slowly and steadily by desktop, laptop, hand- held computers with the “Internet” being “the medium of choice for storing, processing and sharing information in all forms”. But “the world of screen” is different from the world of page. A new intellectual ethic is creeping in. “The pathways in our brain are once again being rerouted”. Further on, Carr contends that the expansion of Net makes other media to contract and cites as example, the drop in circulation of newspapers since 2008. Carr also discusses the appearance of e-books and how web is influencing book writing in a large measure.

In the chapter “The Church of Google”, the author analyses in depth the role of Google in the effort “to create a cool machine that will be able to outthink its creators but the pinched conception of the human mind that gives rise to such a desire”.

Chapter Nine of the book is devoted to discuss the concept of 'memory'. He elaborates and `analyses a Dutch humanist's concept that memorizing was far more than a means of storage. He examines the general view of memory as "yet another acceptance of the metaphor that portrays the brain as a computer. He refers to the view expressed by the Biologist Erickandae that synaptic changes occur in the human brain with learning and the resultant effect on the working of brain. Carr elaborately analyses "What determines what we remember and what we forget? He concludes that chapter with this pregnant remark "outsource memory and culture withers". In an interesting "digression" Carr doubts whether he could live without "Blu-ray player, Wi-Fi connection, movies from Net Fix and videos from Youtube"

In the last chapter, Carr elaborates the following concepts proposed by John Weizenbanm, an MIT computer Scientist. "Weizenbanm had come to believe that what makes us most human is what is least computable about us – the connection between our mind and our body, the experiences that shape our memory and our thinking, our capacity for feeling and empathy. He concludes the chapter referring to computer scientist Martin Heidlegger's observation that "frenziedness of technology threatens to entrench itself everywhere". Carr is troubled that "We are now entering the final stage of that entrenchment, welcoming the frenziedness into our souls".

It will only be apt to conclude quoting Carr's last sentence in the book "as we come to rely on our computers to mediate our understanding of the world, it is our own intelligence that flattens into artificial intelligence".

Welcome to the First IEEE International Symposium on Cost-Effective Museum Exhibits in Engineering and Applied Science

The First IEEE International Symposium on Cost-Effective Museum Exhibits in Engineering and Applied Science is an international symposium on the creation, development, implementation and dissemination of museum exhibits on engineering, computing, applied science and technology for target audiences of ages 8-18. The Symposium will concentrate on development of museum exhibits that, in addition to their intrinsic intellectual and educational value, are modular, replicable, transportable and affordable.

Sponsored by the IEEE Educational Activities Board, IEEE Hyderabad Section and the B.M. Birla Science Centre, the Symposium is targeted for:

Educators in engineering, computing, applied science and technology who are interested in developing cost-effective museum exhibits and exposing students to the museum experience.

Directors, curators, and staff of science and technology museums.

IEEE volunteers interested in working with local museums on the development and implementation of cost-effective museum exhibits.

The Symposium will be held 30 November to 2 December 2012 at the B.M. Birla Science Centre in Hyderabad, India.

Important Dates:

- 15 Aug 2012 : Deadline for submission of abstracts, workshop proposals and special session proposals
- 15 Aug 2012 : Deadline for applications for travel and registration stipends (IEEE volunteers and cooperating museum staff members only)
- 15 Sep 2012 : Announcement of acceptance of abstracts, workshop proposals and special session proposals
- 15 Sep 2012 : Announcement of approved travel and registration stipends
- 15 Sep 2012 : Registration opens
- 31 Oct 2012 : Deadline for submission of final version of accepted papers
- 31 Oct 2012 : Registration closes

2012 Region 10 humanitarian Technology Activities

Selected Project Proposals

| Rank of the projects | Name of the project | Name if the Section | Project Leader | Project Objective |
|----------------------|--|---------------------|-------------------|--|
| 1 | Sensor column for landslide monitoring | Philippines | Joel Marciano | This proposed project intends to deploy a landslide monitoring system in a marginalized area in the Philippines and to conduct associated activities to foster a sense of ownership among the community members in the deployment area. The landslide monitoring system consists of locally designed and developed sensors and data logging system, which have benefited from the synergistic collaboration between electrical engineers, geotechnical engineers and geologists from the academe and government agencies in the Philippines. The project has support of US\$50K (Philippines Government) towards the research on the development of landslide sensor. The support from section and R10 will go towards the deployment in an identified landslide prone area. |
| 2 | Sustainable Technology for empowering people | Gujarat | Anil Roy | The project is to bring clean and safe drinking water for the resource crunched people in developing nation. Nanofiltration and microfiltration is powered by solar energy. Project aims to get support from local bodies also. |
| 3 | Remote Ophthalmic Medical Image Diagnosis for Primary Hospital | Beijing | Gao Song | The project is to help ophthalmic patients of remote area. This way people will get expert advice and treatment from international advance eye image technology achievements of Beijing Institute of Ophthalmology and Beijing Tongren Hospital with the technology and resources of IEEE members of Beijing Section. The eye images of patients using the available fundus camera, personal computer and network platform in primary hospitals will be transferred to the ophthalmic diagnosis and treatment platform of Beijing Institute of ophthalmology with WEB platform for online ophthalmic image diagnosis and treatment. Beijing Daheng Medical Equip Co is supporting the Beijing Section and bearing the cost. |
| 4 | Design Analysis of Vertical Axis Turbine Savonius Type in Low Speed Wind Turbine for Remote Fishing Area | Indonesia | Eko Adhi Setiawan | The project is for the welfare of Indonesian people who live in the coastal area where there is no electricity. It is plan to install the turbine with axial flux generator on the fisherman's boat so when they go for work, the sea breeze will eventually rotate the turbine and generator as well. Thus, the electricity will be produced because of the flux from the permanent magnet inside the generator. The generated 3 phase AC will be converted in to DC for storage of the electrical energy in to battery. This will be further used by fishermen families for lights and/or small electrical appliances. Engineering University of Indonesia is also supporting the project. |

| | | | | |
|---|--|-----------|---------------------|---|
| 5 | Wireless Head Mounted Mouse & Keyboard for Physically Disabled Persons | Bangalore | Preeta Saran | The project is for development of an interface system that would allow a similarly paralyzed user to interact with a computer with almost full functional capability. That is, the system operates as a mouse initially, but the user has the ability to type using an Onscreen virtual keyboard allowing the entry of text. This is achieved by using the control from a single eye, tracking the position of the pupil for direction, and using blinking as an input. As detection of eye motion proved too challenging, an accelerometer based tilt detector to determine head motion is also developed and incorporated. |
| 6 | Low cost low bandwidth virtual education platform for underserved | Kolkata | Iti Saha Misra | The project aims to build a prototype for the low cost Internet based education platform for the underserved which addresses constraints like lack of good teachers, communication bandwidth, effective learning materials and effective methods of teaching. Project outlines visual engagement, voice engagement preferably in local language and English, interactive question answer session and an operator at the end node. An Internet based solution that assumes computing facilities at the end points where the visual aid is pre-stored at the end points but the audio visual advancing controls would be maintained from the central node from where only voice would be broadcast. Thus reducing the requirement of the communication bandwidth considerably. The interactive question answer session would use the modern web-based technology. Where the questions would come from the end points in text using Internet and the response can be either in text or voice. The project will develop a solution with the complete control of the visual aid at the central node but the same would be transferred at the end point accordingly controlling the pre-loaded visual aid along with the delivery of voice. |
| 7 | A Significant Scheme On Small Renewable Hybrid Stand-Alone Power Generation System | Madras | Anand B | This project presents a schematic design of a compact stand-alone hybrid power generation system using wind-solar resources. This system can be implemented in national highways, where huge amount of air can be collected due to the high speed motion of vehicles and at the same time the solar energy from the ambient will also be collected. Finally both energies will be acquired simultaneously for charging the batteries and is supplied for domestic and rural purposes. For the purpose of maximum uninterrupted power supply in industries and factories, a DC generator and power supply line are also connected to the system, but these two systems works in a priority order, only when the demand is not met by the Wind-Solar system. The main advantage of this system is, it can be implemented in both stand-alone and grid connected modes. |
| 8 | RENEWLATOR-An Analytical Tool for conservable energy | Kerala | Anne Mary Sebastian | The basic objective of the project is to create a tool which helps to determine various specification of renewable energy based power plant. An analysis on the potential scope of the energy in terms of cost and requirements. This project will be useful in providing cost effective solution on the energy for a particular geographical area, deriving the deciding factors like number of solar panels, wind turbines etc. , identifying which form of energy will be suitable for particular area and analysing how change in one or more parameters associated with the particular energy source affects the other parameter. |



**International Conference on
Communication, Devices and Intelligent Systems : CODIS 2012**
December 28 & 29, 2012: Dept. of ETCE, JU, Kolkata, India.

CALL FOR PAPER

The Department of Electronics & Tele-Communication Engineering (ETCE), Jadavpur University (JU), Kolkata – 700 032, West Bengal, India has undertaken active research in the areas of Communication, Devices and Intelligent Systems during the last few decades. The Department has organized both National and International Conference on areas of its interest in the past. On the occasion of its 55th Year (1957–2012), the Department endeavors to organize CODIS 2012 at JU Campus during Dec. 28 & 29, 2012 in Technical Collaboration with **IEEE Communications Society (COMSOC) Kolkata Chapter**

Authors are invited to submit original research papers which are previously unpublished and are not under consideration for publication elsewhere. Topics of interest for submission include, but not limited to:

| | |
|--|---|
| Analog and Digital Signal Processing | Antennas and Microwaves |
| Artificial Intelligence and Soft Computing | Bio-Informatics and Computational Biology |
| Broadband Wireless Communication | Cloud Computing Cognitive Radios, Computer Vision |
| Data Security and Data Hiding | Digital and Mobile Communication, Electronic Devices |
| Embedded Systems, EMI/EMC | Image Processing, MANETs, Pattern Recognition |
| Photonics, RFID RF MEMS, Robotics | Nano Devices, Single Electron and Spintronics Devices |
| Sensor Networks, VLSI Circuit Design | WiMAX Hand-off and Call Admission CMOS MEMS |

Paper Submission Guidelines and Proceedings

- Papers may be prepared in the IEEE 2 - column Format on A4 page size; Maximum length of the paper is 4 pages ; **Papers (pdf) are to be submitted via EasyChair conference system**
- A signed **Declaration** by the authors regarding *Originality of the Work and Responsibilities* is mandatory for consideration of the submitted papers for Review
- The accepted papers, which are registered and presented in the Conference, are likely to be indexed in **IEEE Xplore**

Important Dates:

| | | | |
|--------------------------------------|---------------|-----------------------------|---------------|
| Submission of Papers: | Aug. 31, 2012 | Notification of Acceptance: | Nov. 07, 2012 |
| Submission of Camera Ready Version : | Nov. 21, 2012 | Registration: | Nov. 28, 2012 |

Schedule of Registration Fee:

| Category | Participants from India | | Participants from Abroad | |
|------------------------------|-------------------------|----------|--------------------------|----------|
| | IEEE | Non-IEEE | IEEE | Non-IEEE |
| Author : Students | INR 2500 | INR 3000 | USD 100 | USD 125 |
| Author : Academia & Industry | INR 4000 | INR 5000 | USD 150 | USD 200 |
| Non- Authors : Listeners | INR 2500 | INR 3000 | USD 100 | USD 125 |

Early Bird Discount: INR 500 / USD 10 for Registrations of all categories done on or before Nov. 21, 2012

Contact email:

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For **Registration / Sponsorship** related Enquiry: registercodis@gmail.com
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<http://www.etceju.org>

IEEE Cloud Computing Initiative

The IEEE- Cloud Computing Initiative, IEEE- CS Bangalore Section and IBM IEEE Activities Council have come together to organise an IEEE Conference - Cloud Computing for Emerging Markets. We would like to rally support from the All India IEEE and the IEEE-Bangalore Section. Further details of this conference are given in the message below and at the website <http://ewh.ieee.org/ieee/ccem>.

Overview

The goal of the IEEE Cloud Computing for Emerging Markets (CCEM) conference is to address the unique challenges and opportunities of cloud computing in emerging markets in a high quality event that brings together industry, government, and academic leaders in cloud computing from around the world, particularly from emerging markets. The conference will be a two day event that spans invited talks, peer reviewed paper presentations, a panel, and industry exhibits.

Topics of Interests

We invite paper submissions on relevant topics, including but not limited to:

- Design of Cloud Computing services, especially for emerging markets
- XaaS paradigms and architectures including Infrastructure, Platform, Software, and Business Process as a Service
- Advances in virtualization of hardware and software services
- Security, privacy, and compliance issues in Cloud Computing for Emerging Markets
- Networking issues in Cloud Computing
- Programming models for Cloud Computing
- Monitoring, management, and maintenance of Cloud Computing
- Performance optimization in Cloud Computing
- Innovative applications and experiences in Cloud Computing for Emerging Markets

Conference Dates

11-12 October 2012

Location:
Sheraton Bangalore Hotel
at Brigade Gateway
Bangalore, India

Important Dates

- 1 June, 2012: Paper Abstracts, Exhibit Proposals due
- 25 June, 2012: Final acceptance of exhibits, Acceptance of abstracts for full paper submissions
- 27 July, 2012: Full papers due
- 20 August, 2012: Final Acceptance notification for full papers
- 7 September, 2012: Camera ready papers. Early registration deadline

For more information

Please visit:
<http://ewh.ieee.org/ieee/ccem>
Sponsored by the
IEEE Cloud Computing Initiative

Submission information

Technical papers: Authors must submit papers with name and contact information via the conference website,

<http://ewh.ieee.org/ieee/ccem>

Detailed formatting instructions can be found at: Formatting instructions,

http://www.ieee.org/publications_standards/publications/author

. Only electronic submissions will be accepted.

. A digital copy of the proceedings will be published and made available in the digital library of IEEE.

For latest submission dates and other information, please visit

the conference website, <http://ewh.ieee.org/ieee/ccem>

Appeal



IEEE ComSoc has been trying several initiatives to make itself more relevant in a time of rapid change. At the same time, there is a hunger for quality conferences, publications, and avenues that enable learning and networking among industry, academicians, and students. I for one have experienced this at first hand in the Asia-Pacific region. If elected, I, as a young member-at-large, propose to vigorously engage with this diverse base and channel their energy into ComSoc.

Another important issue that I shall focus on is identifying and advocating effective steps to remove bottlenecks related to membership, conferences, publications, and our decision-making processes that have limited member participation. As the current Director of Conference Publications in the Board of Governors of ComSoc, as an IEEE volunteer for a decade, and with 12 years of international experience in the industry and academia, I look forward to the opportunity to fulfill these promises. full-time professional members and graduate student members of ComSoc can vote.

Dr Neelesh B Mehta

Short bio:

Neelesh B. Mehta (S'98-M'01-SM'06) is an Associate Professor at the Indian Institute of Science (IISc), Bangalore, India. Prior to joining IISc, he has held research positions in USA at AT&T Research Laboratories (NJ), Broadcom Corp. (NJ), and Mitsubishi Electric Research Laboratories (MA). From 2003 to 2007, he was also actively involved in the Radio Access Network (RAN1) group's standardization activities in the 3GPP cellular standards body.

He received his MS and PhD degrees in Electrical Eng. from the California Institute of Technology, Pasadena, CA, USA in 1997 and 2001, respectively. He received his Bachelor of Technology degree in Electronics and Communications from the Indian Institute of Technology (IIT), Madras, India in 1996. He has co-authored 30+ IEEE transactions papers, 55+ conference papers, 3 book chapters, and is a co-inventor in 16 issued US patents. He is currently an editor for the new IEEE Wireless Communications Letters journal, and was an editor for the IEEE Transactions on Wireless Communications journal from 2008 to 2011. He is a recipient of the Indian National Academy of Engineers (INAE) 2010 Young Engineers Award. He was the TPC co-chair of tracks in several conferences such as Chinacom 2008, VTC 2009 (Fall), SPCOM 2010, and COMSNETS 2010 and 2011 workshops, and will serve as a TPC co-chair for the wireless communications symposium of ICC 2013.

He is a Senior Member of IEEE. He is an Executive Committee member of the IEEE Bangalore Section and the Bangalore chapter of the IEEE Signal Processing Society. He is now the Director of Conference Publications in the Board of Governors of the IEEE Communications Society.

