



THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

FROM PRESIDENT'S DESK



The end of the last year left serious imprint and turmoil all around with Mumbai terror attack, global melt down and economic recession posing new challenges as well as opportunities. It is, therefore, imperative for us to review our plans to make our operations efficient and cost effective and exploit means of resource generation to meet the challenges of the declining economy.

In the recent concluded Apex Forum on "Mobile TV-Revolution in Education & Entertainment" on Jan 28, 2009 at New Delhi, Prof V N Rajasekharan Pillai, Vice Chancellor, IGNOU, New Delhi, as Chief Guest, recalled his growing relations with IETE in recent times and emphasized the role of education through entertainment in revolutionizing life management of human beings in the society. Technologies like mobile TV can be applied for delivery of content as well as in education management. India being the second largest mobile users with approx 320 million mobile subscribers and expected to be 700 million mobile users by 2012, the prospect of more rural population getting exposed to these technological changes is imperative. The modern technologies would play dominating role in the delivery of distant education and would greatly benefit institutions like IETE. I am pleased to announce that IETE as part of our e-learning initiative will soon find a slot in the national educational Satellite 'EDUSAT' to fulfill our dream of delivering the contents to our students from a central teaching end facility to the virtual class rooms at multiple remote locations in the country. Further, in our thrust of greater use of ICT technologies, IETE has recently launched "Bulk SMS System" for mass communication of information to our members and the students on their cell phones through instant messages for various applications like confirmation of IETE student memberships, announcement of degree and diploma results (Dec 2008), information of committee/ council meetings to Council and Co-opted members, election news to all corporate members for elections of Council, Distinguished Fellows, Honorary Fellows, Organizational Rep in the Council, etc.

I take the opportunity to congratulate and convey my heartfelt greetings and appreciation to our Distinguished Fellow Shri Sam G Pitroda and Honorary Fellows, Dr Anil Kakodkar, Dr G Madhavan Nair and Prof Thomas Kailath who have been awarded Padma award by President of India. They all have made the entire IETE fraternity proud of their achievements and outstanding contributions in their respective fields.

While this News Letter is basically meant to share important news with the fellow members but please feel free to write to me as I shall always welcome any suggestions from you for betterment of the Institution.

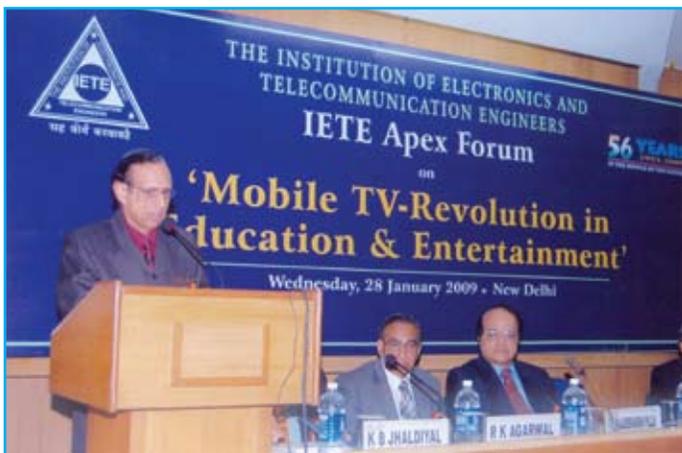
Lt Gen Ashok Agarwal, PVSM (Retd)

News From Headquarters

IETE Apex Forum

The 1st Apex Forum for the year 2008-09 on “**Mobile TV-Revolution in Education & Entertainment**” organised by IETE, received an overwhelming response from the experts in the field. It was one-day event held on Jan 28, 2009 at New Delhi. This forum was aimed at attracting the attention of the telecom fraternity and bringing together eminent scholars and telecom experts for fruitful discussions to promote the development & growth of the telecom industry. The chosen topic assumed greater significance in view of considerable scope for growth of Mobile TV in the growing economies. IETE, a professional society is dedicated to the national progress through its various programmes (Apex Forum for one) to build awareness in the society about significant issues and create a positive policy framework with all statutory entities.

During this Apex Forum, the dignitaries present on the dais were: **Prof V N Rajasekharan Pillai**, VC, IGNOU, New Delhi, the Chief Guest; **Shri R K Agarwal**, Director, Planning & News Services, BSNL, New Delhi, the key-note speaker; **Maj Gen K B Jhaldiyal**, AVSM (Retd), Chairman Industrial Coordination Committee (ICC) **Shri R K Gupta**, Co-Chairman, ICC and **Lt Gen Ashok Agarwal**, PVSM (Retd), President IETE. Maj Gen K B Jhaldiyal presented the overview of the theme.



President IETE, Lt Gen Ashok Agarwal, PVSM (Retd) delivering the Presidential address at the Apex Forum

Lt Gen Ashok Agarwal in his Presidential Address elaborated the Mobile TV revolution and growing interest of the consumers. He called Mobile TV a perfect example of digital convergence between networks, devices and contents. He emphasized on the potentials of Mobile TV in the fields of education and entertainment but cautioned about the challenges it threw to the operators and the content providers. The keynote speaker, **Shri R K Agarwal**, talked about Mobile TV as a wonderful business opportunity for telcos like BSNL to leverage the early mover advantage in 3G. He said delivering the highest possible quality of experience was the best way to keep mobile subscribers glued to their screens. According to him quality of experience could be optimized by delivering the highest quality streaming media services to subscribers over all data networks to all media-enabled devices; bringing carrier-grade reliability to a service often known for poor quality of service levels and eliminating compatibility issues between encoders, servers and phones that could prevent users from receiving service.



On the dais during IETE Apex Forum: seated from L → R: Shri R K Agarwal, Prof V N Rajasekharan Pillai, the Chief Guest, Lt Gen Ashok Agarwal, PVSM (Retd) and Shri R K Gupta

Prof V N Rajasekharan Pillai, the Chief Guest, in his address said that technology can enhance the way students learn concepts and can reduce the tedious mechanical aspects of some of the current learning methods through the use of technology in a variety of forms. He emphasized on the mobile technology that could augment education through entertainment and could emerge as cost effective way of learning. Prof Pillai was confident that with technological revolution more of rural population was getting exposed to these changes. Even a child in a village today was

sorrounded by multilevel conversant media. He informed that more than 70% students in IGNOU were from rural areas & 20% were the distant learners and said that IGNOU now targets of doubling this percentage of students with the help of growing mobile & other ICT technologies. He said approx 60,000 teachers across the country were involved in content creation for higher education and the modern technologies were helping them in this education paradigm. He was hopeful of mobile TV revolutionizing educational system in the country because 9 out of 21 lacs students were already receiving 10% of the contents through their mobile phones. He emphasized the necessity for creating a core group of professionals at institutions like IETE to work on such emerging technological opportunities. He concluded with a strong opinion that only by technological intervention, the quality of education could be improved in the country.

Shri A K Bhargava, Principal, GM, Switching, DD, enlightened the audience about different aspects of “3G Mobile TV: Revolution in Entertainment & Education”. The revolution in these fields was attributed to the changes in data traffic to voice traffic, mobility, convergence, intelligence in device & networks and were characterized as main drivers from technical perspective. From business perspective the drivers of change were credited to increase in number of players, southward movement of tariffs, lower ARPUs, expanding subscriber base, bandwidth, higher aspirations, enriched value added services with new opportunities & innovative drive. Shri Bhargava explained the various issues of 3G Mobile TV in context of delivery mode, standards, 3G handset availability & limitations, low 3G penetrations, content, cost, and availability. According to him the benefits to education from this technology would help in faster downloads of educational material, one to one interaction through video telephony, increased productivity, live class-room telecast, boosting the distance learning & social education and other innovative solutions.

With rapid maturity of the mobility and entertainment markets in India, **Dr D P Seth**, another expert speaker, opined that the stage was all set for both IPTV and mobile TV technologies to be introduced to enable efficient spectrum usage and to enhance customers’ delight. According to him announcement of IPTV service guidelines was a welcome step but the guidelines for Mobile TV service were also much awaited. Dr Seth said that there was an urgent need for quick establishment of an enabling regulatory and

policy framework for Mobile TV in the country and most likely was expected to be available for the Common Wealth Games by 2010.

Shri Amit Dev, Chairman, Expert Committee on Retail & E-Governance and Co-founder, TIME Broadband Services Pvt Ltd, spoke about his vision of IPTV on the topic “3G- VAS: The Next Wave” in his own firebrand style. He spoke about the truth of copyright violations in the country, about the efforts being put in by his company TIME Broadband in mobile contents creation. With the popularity of mobile in the country, it is important to see the integral growth going up which incidently is not happening. Informing the status of IPTV in India, he clarified that content aggregators were still looking overseas for monetization. He said that the Time Broadband and Stanton Technologies, which had recently announced their joint venture, had entered the Chinese market with a deal with Potevio, a Chinese Government owned entity, as announced at Convergence India in the beginning of 2008. Accordingly, Time Broadband provided the content for IPTV on various platforms including grand event of the Beijing Olympics.

Talking on IPTV on Mobile, he confirmed that it was similar to TV over Mobile networks, with added interactivity. With 3G networks already in the market and IPTV working over the 2.5G networks, it can easily be deployed in India. However it’s failure could be accounted to inconsistency of GPRS connections of mobile network providers and Government’s flipflop on such revolutionary policy decisions. He enthralled the audience by informing about Time Broadband’s future plans to offer technology & digital media solutions to the entertainment world & telcos in a joint venture with Malaysia’s Stanton Technologies in near future. He also informed about their company providing contents to MTNL’s IPTV services.

Shri A K Bhatnagar, CE, Prasar Bharati, Doordarshan, HQ, New Delhi, concentrated his talk on terrestrial & satellite Mobile TV technologies. His topic was “Mobile TV in India” which was logically explained with the example of Doordarshan networking. Various modes of delivery of Terrestrial Broadcasting Technologies (DVB-H, MediaFlo, Korean T-DMB, One-Seg, etc.); Terrestrial Telecommunication Technologies (UMTS, 3G, MBMS, etc.); Satellite Broadcasting Technologies (DVB-SH, Korean S-DMB, XM Radio, Sirius Radio, WorldSpace

Radio) were elaborated. Technical parameters, transmission modes, data carrying capacity of Mobile TV (DVB-H) technology was presented by the speaker in detail. The challenges of interoperability of terminals / handsets in terrestrial & satellite technologies were also referred.

Interactive session was followed by summing up by the panelists and presentation of the mementoes. The vote of thanks was proposed by Secretary General IETE, Brig (Retd) V K Panday.

Sir C V Raman Memorial Lecture

13th Sir C V Raman Memorial Lecture on “Scientific Instruments in Chandrayaan” was delivered by **Dr T K Alex**, Director, ISRO Satellite Centre (ISAC), Bangalore on Feb 28, 2009. **Lt Gen Ashok Agarwal, PVSM (Retd)** gave the presidential address and introduced the speaker. **Shri P N Chopra**, Chairman Technical Programme Committee delivered the welcome address. Speaking on the side-lines of the Sir C V Raman Memorial Lecture, Dr Alex said, “The design portion of Chandrayaan-2, which will be launched in a few years,



Dr. T K Alex, Director, ISRO, ISAC, Bangalore delivering Sir C V Raman Memorial Lecture.

is almost ready. We will be using Russian help for the landing mission, for it is a complex procedure.” He said that Chandrayaan-2 will also be an unmanned mission with a miniature Rover on board, which can drill holes on the moon apart from taking samples. About parts and procedure used in launching Chandrayaan-1 and payloads on board the lunar mission, Dr Alex said that the expenditure of Rs 380 crore incurred by the lunar mission is the lowest in the world. **Shri R Lakshminarayana Rao**, Chairman, IETE Bangalore Centre, proposed vote of thanks.

The programme was well attended and was telecast by local & national Doordarshan channels and covered by media.



A section of audience attending Sir C V Raman Memorial Lecture at Bangalore

New IETE Centre at Shimoga

The Institution of Electronics and Telecommunication Engineers opened its 56th Centre at Jawaharlal Nehru National College of Engineering at Shimoga on March 01, 2009. The contact number at IETE Shimoga is **08182-276707, 270450**.

News From Centres

The following technical activities were reported by IETE Centres/Sub-Centres all over the country.

Bangalore

- **IEEE–International Symposium on Microwaves –2008 (ISM-08)** was held at NIMHANS Convention Centre, Bangalore, in association with IETE Bangalore Centre, during 03-06 Dec 2008. On Dec 03, 2008 a Microwave School was organized as part of the pre symposium tutorials for the benefit of the students and young professionals, on the subjects covering Introduction to Microwaves, Microwave Devices & Circuits, Microwaves in wireless Communication, S Band and X Band Transmit/Receive Modules (Lecture-Demo) Advanced in Microwave Measurements (Lecture Demo) & Modern Antenna Measurements (Lecture Demo). Next day was devoted to tutorials on “RF Front-end Chip Design for Wireless Communication” by Dr Mohammed Madihian, Director NEC, USA and “Software Defined Radios:

Design Architecture & Efficient Transmitters” by Dr Fadhel Ghannaouchi, Canada. Microwave Symposium was inaugurated by **Sri VVR Sastry**, CMD, BEL. 101 papers were presented during symposium in the presence of 200 delegates, who attended. An exhibition on Microwave and related products was held and about 30 stalls of National & International firms exhibited.

- A technical talk on “**Undertaking Power Quality Survey and Doing Research in Power Quality**” by **Shri A D Thirumorthy**, Executive Engineer, TNEB, Coimbatore, was delivered on Dec 10, 2008 at IETE Bangalore Centre. This was organized jointly by IET Bangalore Network and IEEE Power & Energy Society, Bangalore.

Bhubaneswar

- A seminar on “**RF optimization and Future Technologies**” was conducted on October 19, 2008 by **Shri Managovind Mishra**, MD, Nemhans. Shri Subrat Kumar Prusty, Hony Secretary of the Centre gave a talk on “e-governance and ICT for common man”.

- **Website** of IETE Bhubaneswar Centre: **www.ietebbsr.org** was inaugurated by Dr R S Rohella.

- “**ICT for Common Man**” a seminar was held by the Centre on Dec 20, 2008. Describing the importance of seminar, Shri Subrat Kumar Prusty, Hony Secretary IETE, Bhubaneswar Centre, stressed on development of operating systems in computer and menu in mobiles in regional languages so that it became easy for a common man to operate such devices. The occasion was graced by **Shri Prahlad Singh**, Controller of Communications Accounts, DoT, as the Chief Guest, who suggested the use of USO fund for making ICT accessible to the common man. Shri K K Chanda, DDG (TERM), DoT, told about the impact of telecommunication that had revolutionized the life of a common man. Shri B Pal, Vice Chairman, presided over the seminar and talked on 3G & its impact on education and other connected broadband services in rural areas for the common man. Shri J Ganta, GM, Marketing, BSNL, enlightened the audience about the services & future plans of BSNL; Shri Jaydeep Patnaik, ESRI, gave presentation on GIS; Shri Manoj Panda, Head, TCS, Bhubaneswar, talked on software. Shri Indranil Samaddar, INTEL, on the role of INTEL in developing technologies for common man and Shri D Ranganadham, Doordarshan, demonstrated a

technical presentation on “ICT for common man and the Role of Broadcaster”. Dr R S Rohella and Dr R M Pattnaik presided over these two sessions. The seminar ended with a vote of thanks. The seminar got wide media coverage in local newspapers.

Chennai

The Tamil Nadu Centre of IE (India), in association with its sister institutions in Chennai including Institution of Electronics & Telecommunication Engineers, felicitated the “**Moon Man**”, **Dr Myilsamy Annadurai**, Project Director, Chandrayaan I & II, at a function at Chennai. Dr P Mannar Jawahar, Vice Chancellor, Anna University, presided over the function. While felicitating Dr Myilsamy Annadurai, the vice chancellor said that the moon mission has proved that India was at par with any other nation to venture on the moon. Representatives from all the sister institutions felicitated the Moon Man and he enlightened the audience with a lively presentation on “Chandrayaan”.

Dharwad

A seminar on “**Professional Ethics**” was held on Nov 26, 2008 at IETE Sub-Centre Dharwad for ISF members by **Prof R L Chakrasali**, EE Dept, SDMCET, Dharwad, who has authored four books including “The Constitution of India & Professional Ethics.” He emphasized on abiding ethics in both personal & professional life. He said that since engineers are the constructors of the country, so maintaining & practicing good engineering practice was important because of its relevance in present scenario. The welcome address was by Prof S S Kerur, Hony Treasurer of the Sub-Centre and vote of thanks was proposed by the Member, Prof Vijaya C.

Nagpur

- **Shri Mahendra Laimay**, Cyber Law Consultant, delivered an interesting lecture on “**Cyber Crimes and Indian Cyber Law – An Introspection**” on Dec 13, 2008 at IETE Nagpur Centre. He said that due to anonymous nature of the internet, it was possible to engage into variety of criminal activities with impunity and people with intelligence have been grossly misusing this aspect to perpetuate criminal activities in the cyber space. He narrated about hacking, phishing, spoofing, virus dissemination, cyber defamation & threatening, net extortion and denial service attack in details. He also explained the means to deal with this menace by using self defence, mobilization

of non-Governmental resources, enhancing the capacity for law enforcement, education and awareness amongst people. He stressed on cyber awareness training programmes and gave some tips to protect from cybercrimes.

- Another technical lecture on “**Technical Competency Development Programme for Working Telecommunication Engineers & Technicians**” was by **Shri Chandrasekhar Mahalle**, DGM, Networks TATA Teleservices, Maharashtra Ltd, Nagpur, delivered on Jan 10, 2009, aiming at providing relevant technical know-how of the gap that arises after completion of the academic course till a new job is acquired. It would be important and highly needed step as many of them have limited opportunity to enhance their relevant field knowledge. He explained various modules of workshops for the personnel working in BSNL, TTML, Reliance, Vodafone etc.

- A seminar on “**Cost Effective Information Technology for Rural India**” was held at Nagpur Centre on Feb 22, 2009.

Nashik

The IETE President, **Lt Gen Ashok Agarwal, PVSM (Retd)** and **Smt Anita Dandekar**, Zonal Coordinator West, visited IETE Nashik Sub-Centre on Dec 02, 2008 to discuss issues on the building structure. The other IETE members present on the occasion were: Shri Ashok Weer,



President IETE, Lt Gen Ashok Agarwal, PVSM (Retd) & Zonal Coordinator West, Prof (Mrs) Anita G Dandekar, during their visit to Nashik Sub-Centre.

Chairman, IETE Nashik Sub-Centre & GM, BSNL; Prof D M Chandwadkar, Vice Chairman; Prof M D Kokate, Hony Secy; Mrs Apurva Jakhadi, Jt Secretary; Prof S S Morade, Hony Treasurer; Shri S A Bhadane; Prof Jadhav; Prof Santosh Joshi; Prof V M Birari; Prof Gavande and Shri Jatin Gaikwad (Student Representative).

Navi Mumbai

IETE Navi Mumbai Sub-Centre was upgraded to the status of a local Centre by **Lt Gen Ashok Agarwal, PVSM (Retd)**, President IETE on Feb 21, 2009 in the presence of dignitaries, **Dr M K Sinha**, Principal, UDML College of Engg, Kukas Jaipur, the Guest of Honour; Prof (Ms) Anita Dandekar, Zonal Coordinator (West); Shri R K Gupta, Chairman, Membership & Local Centres Committee; Prof (Dr) K T V Reddy, Chairman, IETE Mumbai Centre; Brig V K Panday, Secretary General, IETE HQ; Prof V N Pawar, Chairman; Shri N K Karnani, Hony Secretary and Ms Leena V Ladge, Hony Treasurer, IETE Navi Mumbai Centre. A technical lecture on “Space Debris” by **Dr M S Shah** was also arranged.



Upgradation ceremony of IETE Navi Mumbai Centre by Lt Gen Ashok Agarwal, PVSM (Retd), President IETE

Noida

The Centre arranged a technical lecture on “**3G Networks**” by **Shri Prashant Lakhnopal**, Lead Engineer, Motorola, India, on Jan 25, 2009. Members in and around Noida attended the lecture.

Palakkad

A lecture on “**Energy Conservation**” was conducted by **Shri P N S Narayanan**, Energy Auditor and IETE Fellow member for the benefit of the students.



Lecture in progress at IETE Palakkad Centre

Pune

The IETE Pune Centre presented the **9th Prof SVC Aiya Memorial Award for Excellence in Telecom Education** to **Prof D Manjunath**, IIT, Mumbai, on Jan 03, 2009. The Chief Guest on the occasion was **Shri P S Deodhar**, Chairman & CMD Aplab Ltd & Former Adviser to the Prime Minister. The awardee, Prof D Manjunath, on this occasion talked on “**Internet Looking Back and Looking Forward**”.

Vadodara

- The Centre organized a regional seminar on “**Wireless Communication and Networking Technologies**” (WCnNT-2008) on Dec 21, 2008. **Shri Jagdish Shukla**, Vice-President ISA, Dist 14 and MD, Servilink Ltd., was the Chief Guest. Wg Cdr S R Vasavada, Immediate Past Chairman, presided over the function. Speakers were from BSNL, ISRO, Doordarshan, EME School, MS University, Si Bridge Technologies and Baroda Meters. Delegates, Corporate Members, Student Members were present along with the invited guests; Prof S G Shah, Prof M P Teredesai, Prof N G Bhavsar, Shri Nareshkumar Garg, Shri V K Shah, Prof N M Bhatt, Prof Satish K Shah, Chairman Tech Committee, WCnNT-2008, briefed the

august gathering about the seminar that was spread over two technical sessions: “Wireless Communication Techniques” and “Networking Technologies”.

- The Chief Guest Shri Jagdish Shukla, in his inaugural speech talked about significance and importance of wireless and networking technologies in process industries. Referring to the new standards by ISA, he said that in near future the wireless communication is expected to play a major role.

Prof M P Teredesai, Head, EC Dept, SVIT, Vasad, chaired the first technical session on “**Wireless Communication Technologies**”. **Shri PM Udani**, a senior scientist from ISRO, Ahmedabad talked about Societal Applications of Satellite Communication in context of Village Resource Centre (VRC) program of ISRO. ICT-VRC centres were established across the country for providing space enabled services to rural community. His talk covered networking experience and few success stories of ISRO-NGO initiatives in implementation of SATCOM services in field of Tele-Education, Tele-Medicine, Tele-Agriculture and Tele-Natural Resources Management in Gujarat.



Shri Jagdish Shukla, the Chief Guest, receiving memento from Wg Cdr S R Vasavada (Retd), Imme Past Chairman of Vadodara Centre.

Shri V K Jain, Scientist/Engineer-SG & Head, CAD, SAC-ISRO, talked of Indian Communication Satellites and Payloads. Satellite was the most effective media for collecting, processing and redirecting the information over wide land area with minimal cost, he said. Satellite receives processes and retransmits various information in the

form appropriate for the transmission from space to earth through the use of Microwave in different frequency bands and with the help of modern communication techniques, Communication Satellite support services like FSS, BSS, Broadband and MSS. He informed about ISRO's total launching of 19 communication satellites (15 under INSAT Series & 3 under GSAT Series), out of which 8 satellites were operational and 6 satellites completed their life successfully.

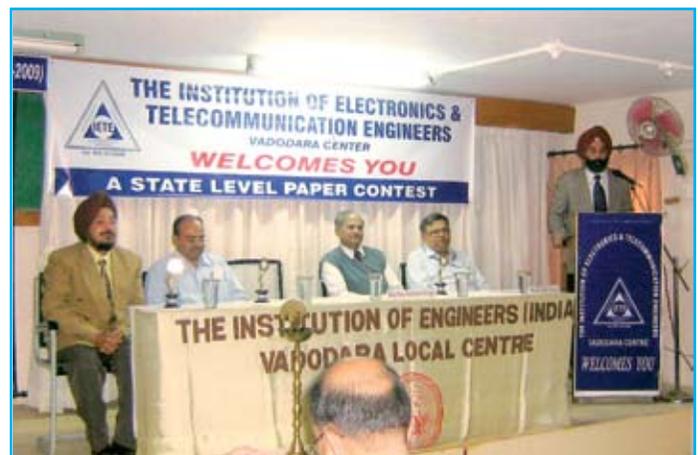
Shri M S Duhan, SE, Doordarshan, Vadodara, talked about Terrestrial and Satellite Broadcasting. **Dr V Kamat**, Baroda Meters, V V'Nagar, Anand, concentrated on the concept of last mile power line communication and the transmission technique OFDM. Starting with advantages and challenges of Last Mile Power Line Communication, he explained how home plug technology could be useful and discussed tools available for its implementation. Basics of Wireless Communication and Networking Trends was the topic of **Shri Amol Mankad**, BSNL, VDT. He covered 3G mobile communication; wireless technologies based on CDMA and GSM; Radio Wireless Networks and V-SAT. He also talked on 3GPP and 3GPP-LTE.

The second technical session consisting of expert lectures on “**Wireless Networking Technologies**” was chaired by **Shri V K Shah**, Vice President, Corporate R&D, ABB, Vadodara. **Dr Y P Kosta**, Principal, CITC, Changa, focused on networks of future. He said that future networks termed as nextgennet, will have the ability to transport all current and future services on a common infrastructure. It will provide unified communications and convergence. **Shri Vaibhav Tareetre**, SiBridge Technologies, Ahmedabad, discussed Embedded Systems and Embedded Computer Architectures for wireless sensor nodes and wireless sensor networks. He discussed various applications of embedded wireless networks and their role in self-organization and intelligence protocols using TRON. **Col Karanjit Singh**, Head, Faculty of Instrumentation and BioMedical at EME School, Vadodara, gave an overview of rapidly expanding field – “Wireless Sensor Networks” with examples. He covered from analogue sensors to the modern day smart sensors. The communication protocols applicable to WSNs, were briefly introduced. **Ms Dharmistha Viswakarma**, a Research Scholar, & Lecturer at EED, MS University, Baroda, described adhoc network as a collection of wireless mobile nodes dynamically forming a temporary network

without the use of any existing network infrastructure or centralized administration.

Prof S K Shah, Chairman Technical Committee, proposed vote of thanks with a promise to cover applications of these technologies in the areas of instrumentation, process control and power sector, in near future.

- A state-level paper contest “**Advanced Embedded Networking, Processing and Communication (AENPC-2009)**” was organized by IETE Vadodara Centre in association with IE (I), Vadodara on Jan 04, 2009. **Dr Y P Kosta**, Principal, Charotar Institute of Technology (CITC), Changa, was the Chief Guest, who emphasized on the importance and need for realizing the difference between virtual reality and reality. He talked about implementation aspects of artificial intelligence through advancement in embedded system design. He stressed on continuous update of knowledge through such programs. **Maj Gen Harkirat Singh**, Chairman, IETE Vadodara Centre, presided over the function. Prof S K Shah, Hony Treasurer the Chairman Technical Committee, AENPC-2009, giving an overview of the contest, informed about 23 selected papers out of total 50. The contest was in two technical sessions. For session-I, the panel of judges were Shri V K Shah, Prof M D Amipara and Prof Pramod Modi, while Prof N G Bhavsar, Col K J Singh and Shri V K Shah moderated the session-II. The winners of the paper contest in sequential order were: **Ms Kruti Pancholi** for her paper “A Novel approach of Speech Compression Using Auto Correlation Method”; **Capt Santosh Kumar** for “Smart



Dignitaries at State Level Paper Contest “AENPC-2009.”

Wireless Sensors". The consolation prizes were given to **Capt Amit Bakshi** on "Wireless Security in Wireless IP Network" and to **Ms Mary Grace Shajan** for the paper "A study on Electronic Therapy for Disease Treatment".

- An interaction meeting between office bearers of the Centre, professors and students was held on Jan 31, 2009 on issues related to guidance classes, new scheme and syllabus going to be effective from 2009 examination.

Visakhapatnam

Prof (Dr) S S Agrawal, Council Member, Chairman ELAN, visited IETE Visakhapatnam Centre on Dec 24, 2008. Addressing the Executive body members and corporate members, he called for Centre's synchronization with Hq for their all future programs. Prof K Raja Rajeswari, Chairperson, IETE Visakhapatnam Centre, praised the Hq for its efforts in developing various Centres to meet the state-of-the-art requirement and appreciated the growth of HQ.

ISF Activities

- A one-day workshop on "FPGA based System design" was conducted by **ISF at ECE Dept of Jaya Engg College, Thiruninravur, Chennai**, on Dec 20, 2008. It was to highlight the development in FPGA based system design for faculty members and research scholars. Dr V Kamakoti, IIT Chennai, was the Chief Guest on the occasion. Dr R Raja, Principal of Jaya Engineering College, presided over the function.
- **IETE-ISF at Babria Institute of Technology, Varnama, Vadodara**, celebrated its first Foundation Day on Jan 21, 2008. Wg Cdr S R Vasavada, Imm Past Chairman, Prof S K Shah, Hony Secy and Coordinator ISF, Vadodara Centre, were Guests of Honour. After his inaugural speech, Wg Cdr S R Vasavada, released a souvenir. A group discussion competition for the BIT students was organized as a part of celebrations. This ISF was also declared as one of the active fora under Vadodara centre.
- Dr S Arivazhagan, Chairman, IETE Sivakasi Sub-Centre, inaugurated the **IETE Students' Forum at Rathnavel Subramaniam College of Engineering, Dindigul**, on Jan

22, 2009. Dr C G Ravichandran, Principal, presided. On this occasion two lectures were arranged. "Recent Trends in Image Processing" by Dr S Arivazhagan, HOD, ECE, MEPCOCET, Sivakasi, and "Networking" by Dr Athisa, HOD, ECE, PSNACET, Dindigul.

- A number of student activities were conducted at **ISF at Sri Kottam Tulasi Reddy Memorial College of Engineering, Mahaboobnagar, Hyderabad**, on Jan 25, 2009. A Software Contest, Electronic and Electrical Circuit working Model Contest, Technical Quiz in ECE, CSE, EEE subjects and lectures on "Electronic Warfare" by Prof K Babu Rao, Scientist, DRDL (Retd) and "Modern Communication Network for Civilian Disaster Management" by Dr V Gunasekhar Reddy, DIG, Police Communications, were conducted.
- The Dept of ECE and **ISF of Erode Sengunthar Engineering College, Thudupathi, Erode** conducted a one-day workshop on "Embedded Systems" on Jan 29, 2009, and was inaugurated by Shri E Balaji, Application Manager, VI Microsystems, Chennai.

Request to all esteemed IETE Members, Centres and Sub-Centres for publicity of IETE Awards for Excellence – 2009

"Call for Nominations" for various IETE Awards-2009 were published in Nov-Dec 2008 issues of IETE Journals. The details and Proformae of these awards are also available on IETE Website: www.iete.org. Kindly give wide publicity to these awards and encourage large nominations through your sources and personal contacts. This would also enhance the image of the IETE. Your co-operation is solicited.

For any further details, clarifications and assistance, feel free to contact:

Dy Managing Editor, IETE HQs, Publications Section, E-mail: publications@iete.org; mgeditor@iete.org or call us at 011-43538842 to 44.



Students' Executive Committee- ISF-BIT, Varnama, Vadodara.



Dr S Arivazhagan, addressing at the inauguration of ISF at RVSCET, Dindigul.



Workshop on "Embedded Systems" at Erode Sengunthar Engg College, Thudupathi, Erode.



Prof S S Agrawal, Council Member, during his visit to IETE Visakhapatnam Centre.

Request to Chairpersons of IETE Centres /Sub-Centres for getting proposals for IETE Research Fellowships

In pursuance of one of the main objectives of IETE for Research activities, IETE has instituted research fellowship scheme from the year 2004. Suitable proposals under this scheme may please be requested from academic Institutions and IETE students from your area. Details of IETE sponsored Research Fellowship scheme are available on IETE website: www.iete.org. Your assistance in this regards will be greatly appreciated.

Awards & Achievements



Prof (Dr) Shyam Sunder Agrawal (F060909L), Council Member, IETE, (President ASI 1996-98 & Chief Editor JASI 1990-98), Executive Director, KIIT World, Gurgaon and Advisor CDAC Noida, received the coveted **7th Mira Paul Memorial Gold Medal** by International Research Institute for the Deaf (IRID) India, a component of Acoustical Foundation for Education and Charitable Trust supported by MIRC- Acoustical Society of America, for his contribution in the field of Human-Machine Communication Systems using voice & its applications and development of databases for Indian Spoken Languages and Speech to Speech Translation Systems on December 23, 2008 at NSTL, Visakhapatnam.

Dr G N Acharya (F028504L), a senior corporate member of IETE, was felicitated by the Instrument Society of India with the “**Life Time Achievement Award**” for the year 2008 for his outstanding achievement in the area of instrumentation. The award was presented on the occasion of “National Symposium on Instrumentation”(NSI-33) at AU College of Engineering, Andhra University, Visakhapatnam, at ISOI Award Ceremony on Dec 08, 2008.

Padma Awards, namely, **Padma Vibhushan, Padma Bhushan and Padma Shri** are given for exceptional and distinguished services in any field including services rendered by Government servants. The recommendations for Padma

Awards are received from the State Governments/Union Territory Administrations, Central Ministries/Departments, Institutions of Excellence, etc. which are considered by an Awards Committee. On the basis of the recommendations of the Awards Committee, and after approval of the Home Minister, Prime Minister and President, the Padma Awards are announced on the eve of the Republic Day.

This year, noted scientists, Chairman of Atomic Energy Commission, **Dr Anil Kakodkar (HF00042)**, who played a key role in finalizing the India-US civil nuclear cooperation agreement; Indian Space Research Organization Chief, **Dr G Madhavan Nair (HF00041)**, involved in the first Chandrayaan mission, are among the 10 Indians conferred with the **Padma Vibhushan**, India's second highest civilian award. The **Padma Bhushan**, country's third highest civilian award was conferred on National Knowledge Commission Chairman, **Shri Sam G Pitroda (DF061015L)** and **Prof Thomas Kailath (HF00015)** in the field of science & engineering, among 30 other Padma Bhushan awardees.



Prof (Mrs) Anita G Dandekar (F026064L), an IETE Council Member, has been awarded “**Woman of the Year-2008** representing **India**” Award by the American Biographical Institute, for her contributions to the country. The Friendship Forum of India has honoured her with the “**Bharat Excellence Award**”, a Gold Medal and a Certificate of Excellence for 2009 on Feb 29, 2009 at New Delhi. She is associated with IETE for more than three decades and has served the institution in various capacities.

Letters to Editor

IETE Newsletter endeavours to provide information about the activities of the institution, technology updates, announcements of technical events and other related information for the benefit of the members. IETE Publication Committee is of the view that by creating a column in the Newsletter for the reader's feedback in the form of “Letter to the Editor”, the newsletter can be made more responsive and dynamic. IETE invites you to share your views, comments and suggestions and any other matter of interest to the readers and IETE fraternity.

IETE Publications

There has been significant improvement in the appeal and outlook of the IETE Journals in the last few months. Extensive efforts are being made to increase the visibility and acceptability of IETE Journals among telecom and IT professionals. The positive and dynamic contribution of Professor Jagadesh Kumar of IIT New Delhi and other editors-in-chief, editors and reviewers who are rendering honorary services to IETE is indeed commendable.

The Online system of Submission and Review of articles for IETE journals is working fine. The authors, editors and reviewers are finding the system very comfortable and cost effective. In addition to online system, printing of journals has also been improved. The quality of printing, paper, design and complete layout has been appreciated widely by our members and readers.

On similar lines, quality printing of IETE Journal of Education and News Letter are being undertaken. All these changes have been encouraged by the continuous initiatives of IETE and feedback from our readers. IETE members and readers of our journals and News Letter are the backbone of all these developments. Please feel free to write about your views on these developments for further improvements.

Calendar of Events

Subject	Date	Venue	Contact
<ul style="list-style-type: none"> ➤ 2nd National Conference on "VLSI, Embedded Systems, Signal Processing and Communication Technologies" 	26-27 March 2009	Chennai	Er V S Sundara Murthy, Chairman Chennai Centre, 37, Conran Smith Road, Main Entrance Peters Road, Gopalapuram, Chennai-600 086 Ph : 044- 28350773, 28350045 e-mail: ietecnet@md3.vsnl.net.in chennai@iete.org
<ul style="list-style-type: none"> ➤ 40th IETE Mid Term Symposium on "Information & Communication Technologies for Disaster Management (ICTDM-2009)" 	17-18 April 2009	Chandigarh	Brig (Retd) V K Panday, Secretary General, IETE HQ, 2, Institutional Area, Lodi Road, New Delhi- 110003 Tel: 011 43538855/56, 43538821/ 22 Fax: 011 24649429 e-mail: membership@iete.org or Dr Pawan Kapur Chairman, IETE Chandigarh and Director, CSIO Sector-30 B, Chandigarh (O) 0172-2657190, (M) 09417013267

Note : The Institution of Electronics and Telecommunication Engineers assumes no responsibility for the statements and opinions expressed by speaker(s).

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