



The Indian Engineer

In my view the successful companies of the future will be those that integrate business and employees' personal values. The best people want to do work that contributes to society with a company whose values they share, where their actions count and their views matter." : Jeroen van der Veer, former Chief Executive, Shell.

NEWSLETTER OF THE ENGINEERING COUNCIL OF INDIA

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From the Chairman's Desk

ECI's 8th National Conference on the Theme: Sustainable Development - Role of Engineers & Technologists organised on November 29, 2010 at New Delhi was a great success - thanks to the support provided by all the Member Associations. It was attended by around 240 delegates from the industry and academia including students. Shri V. Narayanasamy, Minister of State Planning, Parliamentary Affairs and DOPT was the Chief Guest and Dr. Kirit S. Parikh, Chairman, IRADe, former Member, Planning Commission, the Guest of Honour who focused on the issues related to sustainable development, particularly energy security and the role that engineers and technologists can play in realising the sustainable developmental goals. Dr. S. S. Mantha, Chairman, All India Council for Technical Education Chaired the High - Level Panel discussion. The conference was addressed by about 20 eminent chairpersons/speakers.



Today sustainable development is perhaps the most important challenge before the country and engineers' role is most significant. In that context, the deliberations at the conference are of great importance. Consensus emerged at the conference that engineers and technologists' role would cover all aspects, including developing infrastructure, industry, services, new and renewable resources-based technologies, in innovating the conventional technologies, in tapping the full potential of hydro power, developing viable and sustainable technology for using hydrogen as a source of energy, in harnessing huge thorium resources that India has for generating nuclear power, etc. India needs to bring in sustainable aspects in the curricula of engineering education and training. The conclusions and recommendations of the Conference are being prepared and will be forwarded soon to all Member Associations of ECI. They can play a major role in realising desired objectives. It is proposed to discuss about how to identify and facilitate actions required to be taken, particularly in training and development as a matter of continuing professional development of engineers so that the sustainable developmental aspects get covered, as required, in the engineering curricula in general and in the training curricula of the CPD programmes that the Member Associations are undertaking regularly in particular. I look forward to valuable suggestions and support from our Member Associations in this important endeavor.


(Uddesh Kohli)

Forthcoming Events of ECI

2nd Executive Development Programme on Project Management for Engineers

The programme will be held during February 21-25, 2011 at New Delhi.

3rd Executive Development Programme for Engineers on Enhancing Competitiveness Through Technology Management

The programme will be held during April 26-28, 2011 at New Delhi. For details, please visit : www.ecindia.org or E-mail : eci@ecindia.org, pnshali@gmail.com.

IETE Awards-2011 : Call for Nominations

The Institution of Electronics and Telecommunication Engineers (IETE) has Called for Nominations for the IETE Awards-2011. Please visit for details website: <http://www.iete.org>

CIDC 3rd Vishwakarma Awards : Call for Nominations

The awards are inspired by the spirit of construction and creation patronized by Lord Vishwakarma and are meant to motivate individuals and organizations contribution in construction domain and to promote best practices in the Indian Construction Industry. Nominations for all categories are welcome. The detailed guidelines and background note are hosted on the website : <http://www.cidc.in/cidcnew/vishwakarma2nd-1.html>.

National Proficiency Evaluation Test (NPET) : CIDC has initiated the National Proficiency Evaluation Test (NPET) which aims at grading young engineering professionals in the Mechanical/ Civil / Electrical disciplines on the basis of their proficiency and technical knowledge. Placement assistances is also felicitated for the desired candidates.

The Fifth NPET is scheduled on 19th February, 2011.

For further details visit website at <http://www.cidc.in/cidcnew/national1.html>.

Construction Industry Development Council has moved to its new Corporate Office premises at the following address :

Construction Industry Development Council "Vishwakarma Pratham"

Plot No. 18, Sector - 20A, Faridabad-121 001
Tel. : +91 129 4193904, 06-09, 4170024-25
Fax : +91 129 4170027

Regd. Off. will continue at 801, Hemkund Chamber, 89, Nehru Place, New Delhi - 110019

Email : cidc@cidc.in, Website : www.cidc.in

Think it over

Professional competence alone does not lead to excellence - a message for engineers

As a knowledge seeker and worker, an engineer has to deliver results in a highly competitive and demanding environment. In addition to the conventional knowledge at his/her command, every engineer must not only acquire additional skills but should also be able to integrate newer technologies and methodologies that become available to him/her. Gaining purposeful and meaningful control over the specialized technical knowledge through a process of dynamic learning and implementation is also a necessity.

From Editor's Desk

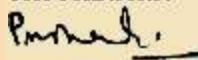


Training of '2nd and 3rd Tiers of Technical Personnel' is very important for realising the higher growth targets of our economy

India has a large pool of graduate engineers, diploma engineers and engineer technicians. These can be categorized as the 1st, 2nd and the 3rd tiers of technical personal. Reportedly, there is a net shortage of diploma engineers and engineer technicians. We are producing more graduate engineers in numbers and less diploma engineers and lesser engineer technicians. This is perhaps why we find our graduate engineers working at the positions in industry at which diploma engineers and engineer technicians with some experience would have been appropriate. We need to tackle this issue. Presently, there is also a shortage of multi-skilled diploma engineers and engineer technicians abroad. Australia is encouraging import of skilled diploma engineers and engineer technicians from India; and so are many other countries contemplating to do.

The engineering resources required for making India to grow at a little more than 9% continuously and also take part in trade in engineering services – opening up of which is round the corner and, reportedly, it is worth several billion dollars to be tapped -comprise degree engineers, diploma engineers and engineer technicians who are multi-skilled, articulate with a reasonably good English language skill, apart from having basic engineering degree, diploma and trade related certificate respectively of international standards. They should also have kept themselves up-dated with continuing professional development of the same standards. We have the potential to be a major exporter of engineering services, provided we take measures to develop the 2nd and 3rd tiers of engineering personnel, as required. This can be done by reforming education and training of our diploma engineers and engineer technicians speedily. The government of India has taken the initiative in this direction by setting up of the National Skill Development Council for inter alia taking up this important national task. What is required of the council is that it must undertake the task that has been entrusted to it objectively and speedily.

Construction Industry Development Council (CIDC)- a body created by the Planning Commission and the construction industry and a member of Engineering Council of India (ECI)- has tied up arrangements with a number of industrial training institutes (ITIs) for training of diploma engineers and engineer technicians for the construction industry. CIDC has offered to facilitate making available the same infrastructure for training diploma engineers and engineer technicians pertaining to the other engineering specialisations. Member Associations of ECI should consider the CIDC's offer for training the 2nd and 3rd tiers of engineering persons of their respective engineering specialisations. ECI has already taken up this matter with its Member Associations.


P.N. Shafi

Eminent Indian Engineer - Lt. Gen. A.K. Puri PVSM, AVSM (Retd.)



General Puri, an eminent Engineer, served the Indian Army for over 40 yrs and was awarded PVSM, AVSM by the President of India for his distinguished and meritorious service to the nation. He headed the elite Border Roads Organisation (BRO) as the Director General (DGBR) and set out a well defined vision & mission with the singular purpose of synergising the organization's immense infrastructural development and technical potential, establishing connectivity in the most difficult border states of the Northern, North Eastern, Western & South Western regions bordering Chin, Pakistan, Myanmar, Nepal and Bhutan. Under his able guidance and stewardship, the organisation moved from strength-to-strength fully meeting the strategic and operational needs of the Defence Services and thus contributing significantly and extensively to the nation building.

General Puri has also served with distinction as the Commandant of College of Military Engineers - one of the largest army training institutions of military engineers in the country - imparting the state-of-the-art education and training in the disciplines of civil, electrical, mechanical, computer & combat engineering to over 1200 officers and over 1500

personnel below the officer rank, encompassing B Tech /M Tech degrees & diplomas.

General Puri's scholastic career covers BE (Civil), Post Graduate Diploma in Business Management, Diploma in Computer Software. Besides, he is a fellow of IE(I) and has accomplished distinctions in many military courses and held coveted command, staff and instructional appointments. He has contributed many articles in professional and technical magazines.

General Puri, a resident of J & K State, is a member of many professional institutions like IE(I), FIIBE, Advisory Committee of the International Consultants & Technocrats, IRC, Institution of Military Engineers to name a few. He is currently the Honorary Chairman of the Indian Institute of Bridge Engineers, Delhi Chapter. He is also the Founder Member of Engineer Council of India (ECI) and has served on the ECI's Board of Governors very ably and contributed significantly in realising its objectives. He is actively involved, as a Chairman/Member, with the Arbitral Tribunals and Dispute Review Boards. General Puri is extremely well traveled all over the world and has attended and conducted professional and technical seminars & conferences on topical issues at national level and international level.

View Point



Economics of every engineering project must be studied before investment is made in such projects - Ratnavel Sanna, Managing Director, Seba Consultancy Pvt Ltd, Madurai

In India, whenever we invest one rupee, we expect something. In manufacturing sector, we get 20-40 paisa per rupee but in construction industry we are getting 80 paisa. All the infrastructure development is going on in India in all the sectors. I am coming from Madurai, which is a small city having the potential for consultancy to the tune of Rs. 16,000 crore for developing its infrastructure. The economics of construction plays a major role in optimizing on the resources invested in construction, particularly infrastructure. Last year, some of the students from Anna University had done their project work on construction economy. Four recently constructed bridges were studied. The findings of this study were shown to some of the IIT professors- who, some times also give their consultancy - for their views. It was inter alia found that there are many identical solutions for every problem. When you are constructing a housing project, 40% of the money is buried into the soil. It may not be so near in the case of a bridge or a road project. When you invest one rupee in construction industry, you are getting eighty paisa, but then we have to spend 1.50 rupee in the name of overcoming corrosion from the next year. This is the fact. So, we must study economics of every engineering project before investment is made in such projects. But, then, do we teach engineering students economics. I think no. We must do it. Engineers are

equally responsible for their actions to the society and exchequer as the other professional like Doctors, Lawyers, etc, are. The second suggestion, therefore, that I will like to make is that we engineers need to be regulated so that we are made accountable to what we do as professionals. More so, we need registration to get a legal recognition as professionals, which we do not have at present. So, the government of India should move the Engineers Bill, which has been submitted to it, and enact the Engineers Act and set up the statutory Council of Engineers speedily for regulating the profession. Engineering Profession is regulated in all the developed and in many developing countries including in Pakistan.

Integrate Science with Engineering - Prof. Ajoy K. Ghatak

Prof. Ghatak, Professor Emeritus of IIT, Delhi, while addressing the first batch of undergraduate engineering students of the Delhi Technological University, Delhi stated that physics is the mother of science and foundation of technology. It has become more relevant in the knowledge economy. As advances are made in the area of Smart materials - VLSI design and chip manufacturing, optoelectronics communications, nano sensors, and nano scale devices, etc., it has become important and necessary that India's budding engineers understand the value of integration of knowledge of physics with engineering so as to scale new frontiers of innovative and improved products for the world market. Prof. Ghatak stressed that it is important for the engineering students to have a passion for research so that they succeed in developing new products and technologies.

News Corner

Business Delegation from Romania visited India

A 15 members business delegation from Romania visited India in Nov 2010. FICCI organised a Business to Business (B2B) meet with the Indian delegation with the visiting delegation on Nov 19, 2010 at the Federation House, Tansain Marg, New Delhi. The Indian business delegation was drawn from the Sectors of Oil & Gas Equipments, Food (Dairy & Confectionery), Machinery for Food Production, Off shore construction, Oil & Gas services, Advisory Services for Drilling and Oil & Gas, Plant & Machinery, Oilfield Equipment & Spare Parts, Engineering, Food Industry (Raw Materials & Machinery), Flour, Bread and Pastry, etc., Sservice Providers and NGOs to showcase their products and services.

Corporate Entities to set up Engineering Colleges

Shri Kapil Sibal, Union Minister of Human Resource Development, reportedly, has recently announced that corporate entities will be allowed to set up AICTE approved programmes on engineering and management under section 25 of the Companies Act. This announcement has been welcomed including by the corporate entities and the industry associations.



Damage to engineering education has been done by rapid and often uncontrolled expansion in the name of increasing gross enrollment ratio - Prof P.B. Sharma, Vice Chancellor, Delhi Technological University

It is pertinent to realise that much of the damage to engineering education has been done by rapid and often uncontrolled expansion in the name of increasing gross enrollment ratio without proper care and concern for quality and employability. It is a



matter of concern that there is craze to establishing colleges of engineering in every nook and corner of the country including in the areas where it is difficult to attract faculty and quality students to take up engineering education. What we have not realized that engineering institutions are not chemist shops nor they are the primary health centres which need to be necessarily spread to length and breadth all over the country to assure well being of every citizen. Rather engineering institutions are to be seen as the focal points to attract the meritorious students from all backgrounds to engage into the pursuit of engineering and technology excellence, to produce capable people who would, by their contributions during their work-life, make the life of common people a lot better.

Awards

Shri A.C. Wadhawan, Past President IIM and former CMD, Hindustan Zinc Ltd. received the "Life Time Achievement Award" for his life long contributions to the metallurgical profession.



Shri Mr. L. Pugazhenty, Past President, IIM received the "Fellowship of IIM for his continuous contributions to the metals industry and the profession.

Shri S.C. Suri, Vice Chairman, IIM Delhi Chapter & former Executive Director, SAIL received the "Certificate of Honour" of IIM for his active Involvement and significant contributions to promote the objectives of IIM.



Obituary

Shri L.C. Jain is no more with us

Shri L.C. Jain, passed away on November 13, 2010 at New Delhi. He is survived by his wife, Mrs. Devaki Jain (Economist), two Sons – Mr. Gopal Jain (Supreme Court Lawyer) and Mr. Sreenivasan Jain (Journalist with NDTV, Mumbai). Shri Jain remained active in India's freedom movement up to 1947 in close association with Mahatma Gandhi. For over 50 years, he engaged himself in advocacy of people-centered political, economic and social policies; stressing Gandhiji's dictum that means for advancement of societies must be as pure as ends. He wanted India's political economy to be shaped from the bottom up. After August 1947, he worked as a voluntary village cooperative organiser on agricultural economy, organised women's groups from the desert areas of Kutch for promoting their crafts; panchayats to conserve fodder in the arid areas of Rajasthan; small enterprise



workers to make salt in the drought prone districts of Surendra Nagar; or hand - loom weavers to revive cooperatives in Uttar Pradesh. He participated actively in planning and implementation of development projects through the various government and non-government agencies. He served as Member, Planning Commission, consultant to UN-ESCAP, etc. He made a significant contribution to the industrial development of the country and in promoting technical education. He received Magsaysay Award for Public Service in 1989. He also served as India's Ambassador to South Africa (1997-1998) and Vice-Chairman, World Commission on Dams (1999-2000). Shri Jain authored many books and several papers on political, economic and social aspects of development. India has lost a grate visionary, dedicated nationalist, distinguished economist and freedom fighter. It will not be possible to fill the void that he has left. ECI mourns his death and conveys heartfelt condolence to his family on their great loss and prays for the peace of his noble soul.

News from the Member Associations

Association of Consulting Civil Engineers (India) [ACCE(I)]

ACCE(I) organised A3C'10 - ACCE(I) Awards Convention & Consultants Colloquium – 2010 during October 22-23, 2010 at the National Academy of Construction (NAC), Hyderabad. It was very well attended.

Broadcast Engineering Society (India) [BES (I)]

BES(I) announces EXPO 2011 which is being organised during February 24-26th, 2011 at the Pragati Maidan, New Delhi. The event is open for participation by manufacturers, dealers, distributors and suppliers of products, equipment, systems and services related to terrestrial & satellite broadcasting for Radio and TV as well as studio, post-production, analog as well as digital equipment and technology. For details visit: www.bvents.com/event/387977-broadcast, or, contact on Tel: +91 (11) 23371540.

Consultancy Development Centre (CDC)

CDC has taken up a unique two-year masters degree programme leading to MS in Consultancy Management in collaboration with BITS, Pilani and short E-learning based skill building certificate courses in various consulting related skills is being planned and are likely to be announced in due course. It is also conducting training and skill up gradation programmes for consultants and clients on subjects such as negotiation skills, consultancy management skills, project management, developing quality in consulting, managing client-consultant relationship, making a winning consultancy proposal, marketing consulting services, writing an effective consultancy report, selection of consultants and consultancy agreements, apart from programmes for strengthening internal consulting capabilities in organisations, awareness programmes for clients on outsourcing services, etc. For details visit: www.cdc.org.in.

Construction Industry Development Council (CIDC)

A two – day International Conference on Emerging Trends in International Commercial Arbitration was organized by the CIDC and CIAC during December 18-19, 2010 at the Indian Habitat Centre, Lodhi Road, New Delhi. Around 300 delegates attended the conference. CIDC invites expressions of interest from capable central, state, private or deemed universities and educational institutions, like State Boards of Technical Education, professional bodies, and other similar organizations for providing construction engineering education through CIDC programmes ranging from M. Tech, B. Tech. / B.E., Construction Project Professional, Advance Diploma & Post Diploma Programmes in different construction related topics, Diplomas in Civil, Electrical, Mechanical, and Trenchless Technology, various supervisory programmes and construction workers and artisan programmes on a revenue sharing basis. For details send a mail on: cidc@cidc.in, cidc.edp@gmail.com.

Consulting Engineers Association of India (CEAI)

CEAI and NSDAG, jointly organized a Refresher Course on IS: 800-2007, Code of Practice for General Construction in Steel (Third Revision) during 15 - 16 November 2010 at

Mumbai. 26 delegates attended the refresher course. It was conducted by: Dr S R Satish Kumar, IIT Madras, Dr S Arul Jayachandran, IIT Madras and Mr M M Ghosh, INSDAG. A seminar was organised by the CEAI on international construction contracts - contractual and legal claims, the resolution of disputes and enforcement” during 19 - 20 November, 2010 at Mumbai. 22 delegates attended the seminar. The faculty for the seminar included Mr Mark Tiggeman, Partner, Kennedys Law Firm, London, Dr David R Parratt, Barrister, Crown Office Chambers, London and Dr Kirty Dave, Adjunct Professor, IIT, Mumbai

Computer Society of India (CSI)

INDIACom – 2011 will be organized by The Guru Tek Bhadur Institute of Technology in association with the CSI, Delhi Chapter and others during 10th - 11th March, 2011 followed by NSC-11 on 12th March, 2011 at New Delhi in which the follow up actions of INDIACom -2010 organised in February, 2010 at New Delhi will also be discussed.

Indian Association of Structural Engineers (IAStructE)

IAStructE organised a technical lecture on “Planning & Execution of a Mega Project – A Case Study” by Mr T S Ratnam on Thursday, 28th October 2010 at 5.00 pm followed by a technical lecture on “Wind Characteristics and Parameters for High Rise Steel Building Design” which was delivered by Dr Abhay Gupta on Thursday, 25th November 2010 at 5.00 pm and a technical lecture on earth quake safe design and construction of multi storey RC building which was delivered by Dr. A.S. Arya, Professor Emeritus, IIT Roorkee, etc., on December 23, 2010. All these lectures were delivered in the lecture room of CDC, New Delhi and were very well attended.

Indian Society for Trenchless Technology (IndSTT)

As a direct sequel to IndSTT initiative 'Defending Trenchless', Public Works Department, Delhi Government (PWD), on the request of DJB, BSES, Airtel, BSNL, IGL, etc., has appointed IndSTT for establishing Standard Operating Procedures for executing Trenchless works under the PWD Roads in New Delhi with an aim to reduce road damages and cave-ins. PWD has also decided to prepare a Standard Operating Procedure for Trenchless Technology so that it could be attached with the road cutting permissions to be given to all the agencies for strict compliance. For further information visit www.indstt.org or send a mail on indstt@indstt.org.

International Council of Consultants (ICC)

ICC organised a specialised 11- day study tour on “Issues Related to Infrastructure Development (Power, Roads, HR etc.) – European Experience” jointly with the CIDC during 21st – 31st October, 2010 in Europe. This program was specially designed for the executives & decision makers serving local, state & central govt. organisations and senior executives from the corporate sector. It was very well responded.

Indian Concrete Institute (ICI)

ICI organised 'Asian Conference on Ecstasy in Concrete' (ACECON) 2010 in association with IIT Madras during

December 5-9, 2010 at IIT Madras, Chennai. The conference featured all aspects of concrete construction with the theme 'Ecstasy in Concrete' and showcased many developments and innovations that have transpired in the world of concrete in the recent past. It also provided an opportunity to concrete professional to 'come home' and be among peers and learn from some of the most acclaimed research scholars about the latest in concrete technology.

Indian Institute of Chemical Engineers (IChE)

IChE organised Chemcon-2010 on the theme 'Emergence of Biotechnology in Process Industry - A Sustainable Growth & Clean World' by Annamalai-Neyveli Regional Centre during December 27-29, 2010 at the Department of Chemical Engineering, Annamalai University, Annamalainagar, Tamil Nadu. It was very well attended by the industry, academia and the students. IChE has introduced an attractive scheme of joint student membership with IChemE, UK. Under this programme, by paying a nominal fee, the students will enjoy a host of benefits being offered by IChemE that would be immensely useful for building a bright career. Details are available on the website of the institute: iiche.org.in.

Indian Geotechnical Society (IGS)

Awards numbering over twenty have been instituted by the IGS for outstanding technical papers published through the Society. Besides, Prof. G. A. Leonards of Purdue University has instituted an award for the best Ph. D. thesis in Geotechnical Engineering. The prestigious IGS - Kueckelmann award is presented once in two years to an eminent geotechnical engineer who has made significant contribution to the profession in India. So far 16 eminent Geotechnical Engineers have thus been honoured. To encourage Chapter oriented activities, a prestigious Award designated IGS-Ferroc Terzaghi Oration is being instituted for outstanding contribution to Geotechnical Engineering. The Award carries an amount of Rs. One Lakh plus expenses. For details visit <http://www.igs.org.in/awards.php>. The 6th International Congress on Environmental Geotechnics (6ICEG 2010) was organized during November 8-12, 2010 at New Delhi. Geotechnical Conference IGC-2010 with the theme GEOtrendz was organised by the IGS-Mumbai Chapter & Indian Institute of Technology, Bombay during December 16-18, 2010 at Mumbai. Both these conferences were very well attended both by the industry and the academia.

Indian Institution of Industrial Engineering (IIIE)

Since 1998, IIIE has organized 14 CEOs annual conferences. The 15th CEO's conference is slated for 2011 and date of the conference will be announced shortly. IIIE Bhilai Chapter & the Department of Industrial Engineering, Bhilai Steel Plant jointly organised the 52nd National Convention of Industrial Engineers & National Seminar on Pillars of Prosperity: Energy, Economy & Environment- POPEEE, 2010 during November 26-28, 2010 at Bhilai, MP. It was very well attended.



Institution of Mechanical Engineers (India) [IME (I)]

The Institution is the oldest professional Institution in the country whose past Presidents have been Engineers of

eminence - Shri S.K. Kirloskar, UV. Modak, Fakirji Bharucha to mention just a few. The Institution regularly organizes technical lecture meetings, Symposia, seminars and workshops. Intensive tutorials and workshop visit for the benefit of its members. The Institution has instituted various Gold & Silver Prizes to honour the contributions of eminent men in engineering sciences and technology. It is collaborating with many prestigious institutions around the world for excellence in engineering education.

Indian National Group of the International Association for Bridge & Structural Engineering (IABSE)

IABSE-IASS will jointly organize the 35th International Symposium on Bridge and Structural Engineering during September 20-23, 2011 at London, UK. For more information about the event, visit : www.iabse-iass-2011.com.

Indian Institute of Plant Engineers (IIPE)



A three-day National Seminar on "Effective Maintenance Strategies for Zero Breakdown", was jointly organized by the IIPE, Delhi, Bhilai Steel Plant - SAIL and IIPE, Chhattisgarh Chapter during October

7-9, 2010 at Bhilai. Delegates from all over the country attended the seminar. Shri J.S. Saluja, Member BOG, ECI addressed the delegates during the valedictory session. IIPE, Chhattisgarh Chapter is a recent addition to the list of IIPE establishments.

Institute of Urban Transport (India)

Asia 2010 – an executive conference for India's metro industry- was successfully organised during October 25-27, 2010 at New Delhi. The event, endorsed by the Institute of Urban Transport, provided an opportunity for a high-value networking and knowledge-sharing with over 250 key Indian metro authorities, operators and partners over 3 activity-packed days. The Annual Urban Mobility Conference 2010 was also successfully organized on December 3, 2010. The conference, which brought together researchers from institutions and professionals across the country, discussed various research activities undertaken during the recent past.

Indian Society for Non Destructive Testing (ISNT)

Shri V. Manoharan, GE Global Research, Bangalore, received ISNT-EEC Award for Excellence-2010, for his Contribution to R & D. Shri A. Ramu, Tarapur Atomic Power Station, received ISNT-Modsonic Award for Excellence-2010 for his contribution to Industrial Applications. Shri V. Deepesh, BHEL, Tiruchirapalli, received ISNT-Technofournational NDT Award for Young Scientist/Engineer. Other awardees also received jointly awards for best technical papers published in JNDE's September 2010 issue.

The Institution of Civil Engineers (India) [ICE (I)]

The Ministry of HRD, Government of India, has granted recognition to the Section A&B of Associate Membership course -which is equivalent to a degree in Civil Engineering and Part -I &II of Technician Engineers course- which is equivalent to a diploma in Civil Engineering & Architectural Engineering courses conducted by the ICE(I) as per the syllabus approved by ACITE.

The Institution of Electronics and Telecommunication Engineers (IETE)

IETE has started EDUSAT programme which will provide qualitative change in learning through virtual classroom mode. IETE is moving a step ahead by implementing the web-casting through which students will be able to view the lectures and programmes live, anywhere in the world. In other words, it will help the students to attend to the lectures in real time on the Internet. Associate Membership Examination (Graduateship) of the IETE has been recognised by the Association of Indian Universities for admission to higher courses at the Indian universities, on merits of admission to higher courses.

The Institute of Marine Engineers (India) (IMEI)

The International Maritime - Port Technology and Development Conference 2011 or MTEC 2011 is the 3rd of the MTEC series of conferences held alternately in Singapore and Rotterdam. MTEC 2011 is jointly organised by MPA, NTU and NUS, and co-organised by the Port of Rotterdam. In conjunction with MTEC 2011, an exhibition featuring the latest R&D and technological products, systems and services in the port, maritime and offshore industries will be organised. IWCEM 2011 - International Workshop on Engineering, Metallurgy & Corrosion In Military & Marine Applications is slated to be held during June 8-10, 2011 at Marriott Hotel & Convention Center, Pune.

The Aeronautical Society of India (ASI)

ASI has solicited nominations for the annual awards-2010. It also invites entries for the annual essay competitions: HAL Essay Competition-2010, sponsored by the Hindustan Aeronautics Limited and the PHL Essay Competition - 2010, sponsored by the Pawan Hans Helicopter Limited. The last date for receiving the nominations / entries is 30 October 30, 2010. For further queries send your query to : aerosoc@bol.net.in or visit www.aerosocietyindia.

The CEAI National Awards for the year 2009 were given on 22nd December, 2010.

In the category of Excellence in Engineering Consultancy Services, the First Prize was awarded to M/s STUP Consultants Pvt. Ltd. for their project "Construction of Sports Complexes for 33rd National Games, the Second Prize was awarded to M/s TATA Consulting Engineers Ltd for their project "Spent Fuel Storage Facility" and the Third Prize was awarded to M/s L & T - Chiyoda Ltd for their project "Isomerisation Project". Among the category of Achievement Awards for Individuals Excellence in Consultancy, the First Prize was awarded to Mr Pankaj Mehta for the project "Design of 3-storied Multi-Unit Residential Apartments". The First Prize in the category of Woman Consultant award was awarded to Ms Sarala M S for the project "Fixing of Alignment of Mumbai-Vadodara Expressway". In the Young Consultant Award category, the First Prize was awarded to Mr Anal Naresh Shah for the project "Structural Design Work of KHS Machineries" Shri Mahendra Raj, Vice Chairman, ECI and Shri Srikumar Ghosh received the Lifetime Achievement Award.



Our Congratulations

The Indian Institute of Metals (IIM)

The Indian Institute of Metals organized the 48th National Metallurgists Day and 64th Annual Technical Meeting at Bengaluru during 14 -16 November 2010. Hon'ble Shri Virbhadra Singh, Union Minister for steel inaugurated the NMD celebrations; about 700 metallurgical engineers and materials scientists from India and abroad attended the programme. MMMM-2011 Expo and concurrent international conference with the theme Indian Metals Industry – Shaping the next decade will be organized during February 12-13, 2011 at the Pragati Maidan, New Delhi. For details write on: iim.delhi@gmail.com.

The Indian Institute of Electrical and Electronics Engineers (IEEE)

IEEE/ACM International Conference on Computer-Aided Design (ICCAD) covering the full range of traditional CAD topics, including CAD for supporting post-complementary metal oxide semiconductor (CMOS) design, as well as design automation for novel application areas, such as biology and nanotechnology was successfully organized during November 7 - 11, 2010 at San Jose, CA, USA. IEEE International Solid-State Circuits Conference (ISSCC) which is the flagship conference of the IEEE Solid-State Circuits Society, serving as a forum for presenting advances in solid-state circuits and systems-on-a-chip, will be organised during February 20-24, 2011 at San Francisco, CA, USA. National Seminar on Resource Optimisation is being organised on May 2011 at New Delhi.

The Institution of Surveyors

Shri Elvin Fernandez Z, President Institution of Surveyors, Malaysia & Shri G.K. Bysack, President Institution of Surveyors, India met on November 21, 2010 at Sahibabad, Ghaziabad. The other senior council members of both the institutions also attended the meeting. Matters of mutual interest were discussed.



Appointments

Shri Ashok Lakhnupal has taken over as the President of Broadcast Engineering Society (India) - BES (I) for the term 2010-12. Presently, he is the Chief Engineer at All India Radio & Doordarshan. Shri C.L. Kaul has taken over as the Executive Secretary of IUT.



Our congratulations

Letter to the Editor

I am a student of aircraft maintenance engineering and like to inform about the current scenario of this course. This is one of the worst engineering courses in India as a matter of fact. The main problem about this course is that it is not a degree or diploma course as such; it is only a certificate course. It is not clear to me why it is called aircraft maintenance engineering? After completing this course, one can only get a job in airline maintenance area. One will not be able to work in any other field. After paying lakhs of rupees, no job guarantee is there. I want your help to solve this big problem (don't take it as a minor issue). We want that this course should be recognised as a degree course. I want your help in taking up this issue to the competent authority so that the life of many young students undertaking this course becomes better. Yours, etc Asif Shaikh – *via e-mail*.

The 8th National Conference with the theme : “Sustainable Development- Role of Engineers & Technologists” held on November 29, 2010 at New Delhi



Hon'ble Minister V. Narayanasamy, Minister of State Planning, Parliamentary Affairs and DOPT delivering the Inaugural Address

The Conference was supported by the corporate sector including both the public sector and private sector and the Member Associations of Engineering Council of India (ECI). The ONGC was the principle sponsor of the conference. It was attended by around 240 delegates from the industry, academia and the students. Shri V. Narayanasamy, Minister of State Planning, Parliamentary Affairs and DOPT was the chief guest and delivered a thought provoking inaugural address. Dr. Kirit S. Parikh, Chairman, IRADe, former Member Planning Commission, Emeritus Professor and Founder Director of Indira Gandhi Institute of Development Research (IGIDR) was the guest of honour. He delivered a thought provoking address covering all issues related to sustainable development, particularly energy security and the role that engineers and technologists can play in realising the sustainable developmental goals. Dr. Sanak Mishra, Vice President & CEO, India Green Field Projects, Arcelor Mittal and Past President, the Indian Institute of Metals and Member, BOG, ECI presented the theme address of the conference - which was appreciated by all. Shri Mahendra Raj, Vice Chairman, ECI & Eminent Consulting Engineer and President, Indian Association of Structural Engineers proposed a vote of thanks. The first technical session with the sub theme: Sustainable Development Strategy, Key Issues for Engineers and Technologists – such as in Energy & Water Security, Sustainable Manufacturing, Sustainable construction was Chaired by Prof. V. K. Srivastava, President, Indian Institute of Chemical Engineers Prof. D.V. Singh, Former Vice Chancellor, University of Roorkee, Member BOG, ECI and Member INAE was the Co Chairman of the session. Among the key note speakers' of this session included Shri Radhey Shyam Goel, National Convener, Coordination Committee of



A view of the audions

National Level Water & Hydel Professional Societies, Shri N. K. Chakraborty, Director (Planning), DDA, Professor, Department of Electronics and Communication Engineering, Sreenidhi Institute of Science and Technology, Hyderabad and Prof. P Thareja, PEC University of Technology, Chandigarh. The second technical session with the sub theme: Role of Engineers in Sustainable Technological Development & Innovations: Views from Corporate Sector, Academia and Academic Institutions, Government, Professional Engineering Associations was chaired by Lt. Gen. A. K. Puri, PVSM, AVSM (Retd.), Ex D.G., Border Roads & Chairman, Indian Institution of Bridge Engineers (DSC). Shri J. S. Saluja, M D, SCPL & Senior Vice President, Indian Institution of Plant Engineers and member BOG , ECI Co Chaired the session. Among the keynote speakers of this session included Dr. Vinay Gupta, CEO, Tandon Consultants Pvt. Ltd, Shri Y. P. Chawla, IIPE, Centre for Renewable Energy for Inclusive Growth, Shri G. Mishra, Manager (Proj. & Contract), Project Management Cell, UNDP / GEF Project The Conference was supported by the corporate sector including both the public sector and private sector and the Member Associations of Engineering Council of India (ECI). The ONGC was the principle sponsor of the conference. It was attended by around 240 delegates from the industry, academia and the students. Shri V. Narayanasamy, Minister of State Planning, Parliamentary Affairs and DOPT was the



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3rd Floor, Jawahar Dhatu Bhawan, 39, Tughlaqabad Institutional Area (Near Batra Hospital), M. B. Road, New Delhi-110062
Tel: 65640356, 29963281, 29963282 Fax: 29963283 E-mail: eci@ecindia.org, ecindia@vsnl.net Website: www.ecindia.org

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