



# The Indian Engineer

NEWSLETTER OF THE ENGINEERING COUNCIL OF INDIA

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## From the Chairman's Desk

Our member organizations may wish to know the factual position on two important issues which are of immediate concern to them:

### 1. Membership of Engineers Mobility Forum (EMF)

The Institution of Engineers (India) got Provisional Membership of Engineers Mobility Forum (EMF) in June 2003 with the support of ECI following an Agreement signed in May 2003 by then Chairman, ECI and President, IE(I) under which the Provisional Membership was to be passed on to ECI later when it got government approval. In the meanwhile, the registration of Professional Engineers (PE) would be undertaken by ECI. IE(I) later did not honour the Agreement and started registering PEs on its own, largely using the systems and procedures developed by ECI, but without the involvement of ECI. IE(I) also withdrew from ECI. Later, when ECI approached the nodal Ministry- the Ministry of HRD, it was informed that registration is a statutory function and it can be undertaken only by a statutory authority created through legislation, otherwise it may not be legally valid. Similar letter was sent by the Ministry to IE(I). Accordingly, ECI put registration issue on hold and pursued the matter relating to Engineers' Bill, submitted by it to the Ministry in Sept. 2004. This was brought to the notice of the EMF in June 2005 and June 2007 (at that time joint Secretary of Ministry of HRD had attended the EMF meeting and informed EMF that a statutory body was expected to be set up soon which would be the only body legally empowered to undertake the registration).

Prior to the meeting of EMF in June, 2009 several meetings were held and correspondence exchanged between Chairman, ECI and President, IE(I) with the objective of bringing two institutions together in the interest of the engineering profession in the country. ECI invited IE(I) to rejoin ECI and work together. IE(I) asked for ECI's support for IE(I)'s application for Full membership of EMF. In the interest of the engineering profession and to see that India does not remain excluded from this international group for a long time, ECI played a positive role in the EMF meeting and IE(I) was able to get the Full Membership. This was with a clear indication to IE(I) of the government's stand that only a statutory body can legally undertake the registration and this Full Membership should be passed on to the statutory body when it is set up. This would likely to be an interim measure. Secondly, India-represented by AICTE/NBA is still a Provisional Member of Washington Accord and full benefits will be available only when India becomes a Full Member of Washington Accord. Thirdly, Full Membership of EMF does not automatically give mobility to the registered Professional Engineers to operate in the countries of member organizations. For that, bilateral agreements will have to be signed between the respective countries/organizations for reciprocal recognition of educational qualifications and PE status. In some countries like USA and Canada, the license to practice is given by State authorities and a PE has to be registered in that state for practice there. Obviously, a statutory authority will be in much better position to sign such bilateral agreements. Therefore, to get the benefits of Full Membership of EMF it is necessary that the Engineers' Bill is passed urgently and the statutory body to be set up under the Act starts the registration of Professional Engineers and the Full Membership of EMF is transferred to this body.

### 2. Engineers' Bill

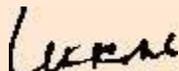
The draft Engineers' Bill was submitted by ECI to the Ministry of HRD in September 2004. The Ministry set up a small Committee, headed by Prof. D. P. Agrawal, then Member UPSC, with members from ECI, IE(I), CEAI, AICTE, MHRD, INAE. After several meeting and efforts to arrive at a consensus, the Committee submitted its report in June 05, recommending

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a draft Bill. However, IE(I) immediately raised some objections and submitted another draft which was not accepted by the Committee. Thereafter, as asked by Ministry, the Committee held another meeting on March 31, 06 to arrive at consensus, where IE(I) did not agree to the draft which Chairman and all other members had proposed. Later, in 2007 a consensus draft of the Engineers Bill, 2007 was developed with the good efforts of Mr. R. V. Shahi, former Secretary Power, who took several meetings with representatives from concerned organizations, including AICTE, IE(I), ECI, IETE, CEAI and others. This provided for mandatory registration of all graduate engineers. It was understood that the statutory body will be able to take up the registration of Professional Engineers later. The BOG, ECI considered the draft and approved it at its 18th meeting held on May 28, 2007 at New Delhi. The draft was submitted to Ministry of HRD by Mr. Shahi on May 31, 2007. The Ministry of HRD has been processing the draft Bill, including consultation with the Ministry of Law. During the follow up discussion, the Ministry of HRD suggested to make the registration of engineers non mandatory. Mr R.V. Shahi submitted some changes in the consensus draft to Ministry of HRD of which ECI did not get any copy. A delegation led by Chairman, ECI called on the Secretary, HRD on September 8, 2008 and discussed the matter. At this meeting, ECI stressed upon making registration mandatory for all engineers as per consensus draft. If, however, it was not possible, then it should be mandatory at least for the Professional Engineers (as was the position in most countries) while for others it could be non-mandatory. ECI supplied the information asked for by the Secretary. It appeared from the discussion that the draft Bill would be taken up only after the formation of the new government. In the ECI's BOG meeting held on May 20, 2009, it was unanimously decided that ECI should continue to support the consensus draft Bill submitted in May 2007 with mandatory registration for all engineers. As regards registration of Professional Engineers, there should be a provision in the Bill which enables the statutory body to take up this registration at an appropriate stage. ECI is making all efforts to expedite the consideration of the Bill by the government.

  
(Uddesh Kohli)



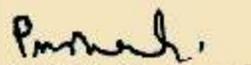
## From Editor's Desk

### Engineering Education in India

#### There is a need for designing and implementing a new experienced based engineering curricula

Today ,engineering education in India is just a matter of taking courses ,whatever you are able to lay hands on, getting a degree and moving on. Life-long lessons are not a basic component of the current engineering education process. It is also not there when we look at the entire education process in India. These lessons can only be there if the engineering curriculum is based on a systems view of engineering education ,which will ensure that students make a successful transition from the classroom to the boardroom .What is taught today is all theory confined in domains of engineering branches ,which are what we call specialisations .Are such engineers really specialists ?In my opinion no .One becomes a specialist when one has slogged for a time in solving practical problems while doing civil engineering or metallurgical engineering and so on .In my opinion ,merely getting a degree in a particular branch of engineering cannot be called a specialisation as such .I think ,many would agree with me on this point .The engineering curriculum remains confined to the basic lectures in a classroom , a few tutorials and rudimentary workshop practices .The engineering curricula , by and large ,do not include case studies on problems successfully tackled by working engineers in the field .This would have been possible with the practicing engineers also being involved as a faculty in designing the curriculum and in imparting engineering education . The delivery of engineering education continues to be a strongly guarded domain of academicians .You just cannot penetrate in this domain .This is one of the major issues which is coming in the way of any reform of the engineering education .

The second issue is that of the curricula itself .Is it adequate to produce engineers of multi skills ?In my opinion no .It has been said by one learned engineer that the institutions in the business of engineering education face a variety of realworld multidisciplinary problems those are often similar to business operational problems .These problems could be used as test cases for solution approaches .Engineering students could form interdisciplinary collaborative teams to develop effective solutions to such problems .This could be better done if they are trained during their engineering education accordingly .The engineering curricula ,therefore ,needs to be reformed by taking inputs from industries .This will mean an engineering curricula which should also have core subjects based on industry inputs including realistic and relevant joint projects .The faculty for teaching these subjects should be of industry professionals .During the last year of the course ,subjects from the other relevant disciplines such as law ,management ,economics ,etc should be included as the core subjects .Some subjects of the engineering domains not considered relevant can be deleted for keeping the present period of training of four years intact .Beside ,engineering education should also look at the global engineering curricula for making it relevant, internationally.

  
(P. N. Shahi)

## Eminent Indian Engineer : Dr. Verghese Kurien

Dr. Verghese Kurien called the "father of the white revolution in India" and also the Milkman of India. and credited with architecting Operation Flood - the largest dairy development program in the world was born on 26th November 1921 at Kozhikode, Kerala in a Syrian Christian family. He set up the Anand model of cooperative dairy development and engineered the White Revolution in India, and made India the largest milk producer in the world. Dr. Kurien graduated with Physics from Loyola College, Madras in 1940 and then did B.E.(Mech) from the Madras University. After passing out of the University, he joined the Tata Steel Technical Institute, Jamshedpur from where he graduated in 1946. He then went to USA on a government scholarship to do his Master of Science in Mechanical Engineering from Michigan State University. When he came back to India, he was posted as a Dairy Engineer at the government creamery, Anand, in May 1949. Around the same time, the infant cooperative dairy, Kaira District Cooperative Milk Producers' Union Limited (KDCMPUL)-now famous as AMUL - was fighting a battle with the Polson Dairy which was privately owned. Young Kurien, fed up with being at the government creamery which held no challenge, volunteered to help Shri Tribhuvandas Patel, the Chairman of KDCMPUL, who was assigned by Sardar Vallabhbhai Patel the task of "making the Kaira farmers happy and organize them into a cooperative unit", to set up a processing plant. This marked the birth of AMUL and the rest is history. Dr. Kurien has since then built this organization into one of the largest and most successful institutions in India. India's first Prime Minister Jawahar Lal Nehru visited Anand to inaugurate AMUL "factory" and he embraced Dr. Kurien for



his groundbreaking work. Dr. Kurien and his team were pioneers in inventing the process of making milk powder and condensed milk from buffalo's milk instead of cow's milk. This was the reason Amul became so successful and competed well against Nestle who only used cow milk to make powder and condensed milk. In India buffalo milk was the main raw material unlike Europe where cow milk is abundant.

The Amul pattern of cooperatives had been so successful that Shri Lal Bahadur Shastri, then Prime Minister of India created the National Dairy Development Board (NDDB) in 1965 to replicate the program on a nationwide basis citing Kurien's "extraordinary and dynamic leadership" upon naming him chairman. Dr Kurien has since then built this organization into one of the largest and most successful institutions in India. He also set up GCMMF (Gujarat Cooperative Milk Marketing Federation) in 1973 to sell the products produced by the dairies. Today GCMMF sells AMUL brand products not only in India but also overseas. Dr. Kurien's credits his success to the farmers of Gujarat. Says Kurien, "I was a 'foreigner' a Keralite if I had tried to do something on my own, I wouldn't have been able to do it. I merely provided the managerial component."

### Awards

For his contribution to the dairy industry Dr. Kurien has received top awards not only in India but also overseas: Padmashri (1965), Padmabhushan (1966), Krishi Ratna Award (1986) by the President of India, Ramon Magsaysay Award for Community Leadership (1963), Wateler Peace Prize Award of Carnegie Foundation (1986), World Food Prize Award (1989), International Person of the Year (1993) by the World Dairy Expo, Madison, Wisconsin, USA and Padma Vibhushan (1999) and many more.

## National Award to Dr. K.K. Padmanabhan

Dr. K.K. Padmanabhan, who hails from Payyanur of Kannur District of Kerala State, a member of the Board of Governors (BOG) of Engineering Council of India (ECI) and former Principal of Kumaraguru College of Technology (KCT) Coimbatore was honored with Eminent Engineer Award by the Institution of Engineers (India) in the 24th National Convention of Production Engineering Division of the Institution at Thrissur on 15th May, 2009, for his outstanding contributions to production Engineering Profession, the distinguished accomplishments in the field of Engineering & Technology and in recognition of his services to the nation. Dr. D. Balakrishnan, Chairman, Kerala State Centre of Institution of Engineers presented the award. Dr. Padmanabhan had his M. Tech (1st rank) and Ph.D in Machine Tool Engineering from IIT, Kharagpur and has to his credit 40 research publications in national & international journals and conference proceedings. He is an approved research guide of many universities and review board member of International Journals. He is a fellow of many national & International professional organizations. He has played active role as Chairman, Board of studies in



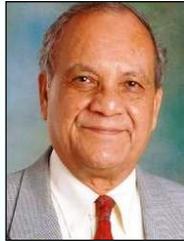
*Dr. D. Balakrishnan, Chairman, Kerala State Centre of Institution of Engineers presenting the Award to Dr. K.K. Padmanabhan*

Engineering and member of faculty of Engineering of Calicut University, senate member of Bharathiyar University, Academic Council member of Anna University, Panel member of various committees of Confederation of

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**The Forth Coming Book : 'Global Warming, Origin, Significance and Management' by Dr. R. Chattopadhyay, PhD (London), FIMMM (UK), C.Eng (UK) and Dr. M. Chatterjee, M.A, PhD (Bombay)**

The earth's atmosphere is heated mainly by absorbing infrared (heat) portion of the solar beam by carbon dioxide. However due to industrialization we are producing



Dr. R. Chattopadhyay



Dr. M. Chatterjee

excessive amount of carbon dioxide and similar heat absorbing gases, known as greenhouse gases, than that can be absorbed by natural sinks for these gases like ocean and forest. The net result is an perceptible increase in the atmospheric temperature around the globe. A key factor determining climate is temperature and an increase of temperature shall lead to climate change. The consequences of drastic changes in climatic conditions shall be disastrous. Briefly the book has 19 chapters dealing comprehensively the origin and significance of global warming in first 7 chapters followed next 12 chapters on efforts by UN & its various agencies and meets (Kyoto, Bali etc), EU and other nations (NEDO, Japan), for the management of warming in various areas, such as, industries, transport, energy, forest, ocean, waste, food and agriculture, business and corporations. Till date, there is not a single book covering almost all aspects of global warming.

### Green Engineering

In April, IEEE-USA held its annual meeting in Indianapolis. The theme for this year was Green Engineering. As part of this effort, Central Indiana Section (CIS) members Earl Hill and Will Kassebaum presented "Sections Going Green," which covered how individual IEEE Sections can increase understanding of "green technology," especially as it relates to electrical engineering. Green engineering is already a primary area of interest for IEEE members. In the Midwest, where CIS is based, there has been a significant increase in production of renewable energy. The Midwest Independent System Operator (which CIS toured in May 2008) is considering proposed projects that would add up to 60,000 additional megawatts of renewable-based energy to its grid. Biofuels are under development as well. Clearly, now is the time to explore these issues. CIS leadership believes that the IEEE has an obligation to educate its members and to advocate appropriate policies. Based on the facts — presented in an unbiased manner — individual IEEE members can make their own decisions regarding the best strategies to implement green policies, and how to educate the public on these strategies. While the national organization has a number of responsibilities, the "rubber meets the road" with the local Sections. To this end, CIS has moved forward with a series of presentations involving green concepts. This effort will continue as long as

interest in this area, and the need to understand these concepts, continue. CIS has conducted a number of activities other Sections can build on. The first should be a discussion of what "green" really means. A number of definitions and terms have been discussed, most referencing sustainability, energy efficiency and other related subjects. While CIS has generally followed the accepted wisdom in this area, other Sections can and should explore the definitions in more detail. In many cases, the choice falls to green and "greener" technologies. Cost and ease of implementation are also questions that Sections can address through speakers, tours and panel discussions. The CIS Power & Energy / Industrial Applications Societies have taken the lead in developing these areas of "green engineering." Each Section should note that many other areas present an opportunity to discuss green issues. For instance, the recycling of computers and other electronic hardware is becoming a contentious issue — currently ; many PCs are sent for scavenging to China, where they are "recycled" in a decidedly non-green manner. IEEE members represent a significant number of PC users, and this issue should be a discussion topic. CIS has organized green engineering which include the subjects coming under the hammer of discussions such as, technology, energy production, energy consumption and other production.

Under the Policy issues hammer include policies of the Federal/State Government, international and non-governmental organisations. In each of these areas, CIS has held or will hold tours, and has brought in knowledgeable speakers. Past and present tours include: the Wabash River Generation Station (coal gasification), the Lugar Alternate Energy Center at Indiana University-Perdue University Indianapolis (IUPUI), the Altair Nano battery facility, the I-Power distributed generation unit factory, (planned for Fall 2008) and the Benton Country Wind farm (planned for Spring 2009).

While these tours are specific to Central Indiana, other areas of the county likely have similar facilities that could be explored. Additionally, Indiana is home to many biofuels facilities, and as such, the production of ethanol and soy diesel has increased recently, partially due to high gas prices. CIS plans to further investigate biofuels to determine where they fit with other green initiatives. As noted above, the definition of "green" can vary significantly, and some see using biofuels as green; others, not so green. Similarly, the jury is still out on the cleanliness and environmental impact of clean coal, and CIS has presented seminars on research into this area. Further, CIS plans to investigate the development and implementation of the smart grid. One of the goals of the smart grid movement is to achieve more efficient power usage. Smart grid advocates also recommend "time of day" metering, to provide price signals to consumers, so they use less energy at peak times. CIS will fully investigate these concepts. As part of its routine efforts, CIS holds a number of short, four-week courses covering areas related to CIS priority issues. In 2007, it held a short course on alternate energy. Due to the high level of interest, CIS will offer an updated course on the same general topic this Fall. While the exact topics have not yet been

determined, advanced power supply systems and energy efficiency almost certainly will be included. CIS also searched for knowledgeable speakers in the green technology realm. One good source was the IEEE Distinguished Speakers Bureau. Here CIS found Dr. Kausik Rajashekera, an expert on fuel cells, who works in the automotive industry within CIS footprint. In addition, Bill Brown, a well-known local green architect, addressed CIS members. As part of the Lugar Center tour, CIS heard from Dr. Andrew Hsu, the director of the Center. Beyond technical personnel, CIS has been addressed by state officials directly involved in promoting biofuels and wind power in Indiana. In each case, the individuals in question were happy to address the Section. In the future, CIS plans to recruit additional speakers from the IEEE Power & Energy Society Distinguished Speakers Bureau. CIS has been able to take advantage of local resources as well. It is one of a number of Sections that include prestigious universities, such as Purdue, Rose Hulman Institute of Technology, and IUPUI. Each of these universities has a number of professors involved in the green engineering area who have been willing to speak on their research and projects. Contacting these professors and their graduate students is often very rewarding. CIS is also

considering panel discussions on both green technology, and on the political issues associated with going green. As noted above, society often has to make decisions between green technologies. These decisions should be well-informed decisions, rather than the typical “squeaky wheel” decisions made by our political leaders. IEEE members need to discuss, and even debate the merits of different strategies and proposals, and propel the information to relevant decision makers. To this end, CIS has reached out to policy makers (as noted above) and will continue to do so. Government policies will have a significant impact on what technologies will be implemented, and, again, IEEE members must be involved. Finally, individual members and local Sections can help drive the proper advocacy, by working with IEEE-USA on the policies crafted by our IEEE advocates in Washington. CIS has only begun to address the issues of green engineering. However, we believe that our Section — and every other Section — has an obligation to bring the issues involved to the forefront. Green engineering will be a significant element of our future, and we all need to participate to ensure the best results. For more information, contact the IEEE Central Indiana Section via our Web site at [www.cis-ieee.org](http://www.cis-ieee.org).

## News from the Member Associations

### Construction Industry Development Council (CIDC)

The Construction Industry Development Council was set up in 1996 by the Planning Commission, Government of India along with Construction Industry, to shape up the Indian Construction Industry. CIDC has amongst its 89 members from various Ministries, Government Departments, PSUs, Construction Companies, Financial Institutions, Educational and R&D Institutions. Shri Chander Verma, Managing Director, Continental Constructions Ltd. is Chairman of CIDC. Since it came into being, CIDC has taken up several important projects related to the issues vital to the Construction Industry including: 1. Standardising the Contract Conditions for Domestic Biddings. 2. Computation and publication of Construction Cost Indices, 3. Human Resource Development, Training of Workers, Supervisors & Managers. Diploma Programme in Civil, Electrical and Mechanical Engineering – for Army Jawans, Vocational & Job oriented training for the secondary level students. 4. Setting up the first Arbitration & Dispute Resolution Centre for Construction Contracts. 5. Development and Application of Systems for Construction Financing, Banking and Taxation. 6. Development & Implementation of Grading System. 7. Networking with National and International construction bodies. 8. Establishing a Construction Equipment Bank. 9. Development of Insurance cover/ Investments for construction sector Projects. 10. Development of RBI approved Harmonized Eligibility Criteria for Lending to Construction Entities. 11. JNNURM, Ministry of Urban Development, GOI, has constituted a Working Group, with Director General, CIDC as the Chairman to evolve the tendering & procurement practices for implementation. CIDC has active agreements with eight state governments for the purpose of development of human resources in their respective states. CIDC has been corresponding with the Senior Officials of several Ministries, PSUs and Project Authorities at the central and state levels and organising personalized meetings & seminars. The Working

Group on “Construction for the Eleventh Five-Year Plan (2007-2012) was constituted by the Planning Commission with Dr. Anwarul Hoda, Member, Planning Commission as its Chairman and Shri P. R. Swarup, DG, CIDC as the Convener.

Executive Development Programme - The programme is targeted towards the working executives and entrepreneurs who have not had an opportunity to learn the latest managerial tools and techniques through formal management education. Apart from filling up this gap, it will equip managers for assuming higher responsibilities in performing their tasks more efficiently and effectively in the context of change.

### Consulting Engineers Association of India (CEAI)

International Federation of Consulting Engineers Association for Consultancy and Engineering is organising FIDIC 2009 Conference on the subject : *Global Challenges Sustainable Solutions* during September 13-16, 2009 at London, UK. CEAI is organising FIDIC Training Seminars during 5-6 August 2009 at New Delhi and 12-13 August, 2009 at Bangalore. Details on Website : [www.ceaindia.org](http://www.ceaindia.org).

### Indian Association of Structural Engineers (IAStructE)

The financial year 2008-09 of the IAStructE reportedly has come to a close on a happy note at the progress the Association has made during the year. The total membership strength, including Fellows, Members, Associate members and Student Members, has gone up by 79 (from 459 to 538). The financial status has also improved. A number of technical activities including technical lectures, workshop and continuing education course have been organized during the year. This satisfactory state of affairs has not made the Association complacent. On the contrary, the Governing Council has streamlined its activities and procedures so as to motivate more and more members to take direct responsibilities of various functions as Chairman of Centres and Chairmen of special Committees. The Committees have started working in right

earnest and we hopefully look forward to rapid developments in IAStructE in the months to come. In order to facilitate the expansion and diversification of our activities, some changes in our Bye-laws are required. A Constitution Review Committee is being constituted under the guidance of Mr S Ghosh, Vice-President of the Northern Region. The Committee will make in-depth study of the changes/modifications desired to accomplish our objectives. An Extraordinary General Meeting of members will then be convened to authorize the changes.

A technical presentation on Steel-Intensive Structures was delivered by Prof Mahesh Tandon, Managing Director, Tandon Consultants P Ltd on 25 June 2009 at New Delhi.. A technical lecture on "Self Compacting Concrete" was delivered by Mr Jose Kurian, Chief Engineer, DTTDC on 28 May 2009 at IIT, Delhi . The Lecture was organized jointly by IAStructE and Civil Engineering Society of IIT, Delhi. The Roof & Cladding India 2009 Exhibition & Conference was organized by Unitech Exhibitions P Ltd and supported by the IAStructE during 28-30 May 2009 at Mumbai.

### Indian Geotechnical Society (IGS)

Executive Committee Meeting (180th) is scheduled on 19th Sept.2009 at Pune, which is being hosted by by IGS-Pune Chapter. A major International Conference viz. 17th International Conference on Soil Mechanics and Geotechnical Engineering is being held at Alexandria, Egypt during October 05-09, 2009. The IGS would be actively participating with large contingent of delegates including President, IGS.

### Indian Institute of Chemical Engineers (IIChE)

The Northern Regional Centre of IIChE organized a one-day seminar on 18 April 2009 at New Delhi. The subject of the seminar was :'Advanced Elastomeric Materials and Technologies & Electron Beam Treatment System'. The seminar was spread into four sessions, lectures were delivered on (i) Application of Electron Beam Radiation in Elastomer and Rubber Compound by Dr Sunil Sabharwal, BARC, Mumbai; (ii) Advanced Elastomeric Materials and Technologies and Challenges for Futuristic Defence and Aerospace Applications by Dr D. K. Setua, DMSRDE, Kanpur (DRDO); (iii) Role of Radiation on the Properties of Elastomers/Polymers by Prof. Sharif Ahmad, Jamia Millia University; and, (iv) Novel Elastomeric Materials and Applications by Dr U.K. Niyogi, Shriram Institute for Industrial Research, respectively. The Ankleshwar Regional Centre, IIChE will organize a seminar on 'Climate Change – Corporate Opportunities' On 25 July, 2009. With participation by industries, government agencies as well as NGOs. The seminar will focus on the burning environmental issues that have become a global concern in recent years.

### Indian Institution of Industrial Engineering (IIIE)

The Annual General Body meeting of the IIIE, Delhi Chapter was held on June 7, 2009 at New Delhi. Along with the AGM, Dr J. M. Mahajan's Award - 2008-09 was conferred to Prof P. B. Sharma, Director Delhi College of Engineering. P.N. Shali, Director Engineering Council of India attend the function and interacted with the Members of the Institute and with the dignitary Prof Sharma and shared with him views on the reform of engineering education for making it suitable to current and future needs.

## Indian Institute of Urban Transport



*Hon'ble Minister inaugurating the event, Dr. M. Ramachandran, Secretary, Urban Development & Smt. Kiran Dhingra, Secretary (HUPA) also in the picture*

Institute of Urban Transport organized a Conference and Exhibition on Urban Mobility India, 2008 on behalf of Ministry of Urban Development of India for which a Steering Committee Chaired by Secretary, Urban Development, an Organizing Committee chaired by Director, OSD MRTS) was setup along with a number of sub-committees, consisting of members and officials of the IUT. The aim of this Conference cum Exhibition was to bring all the technology and service providers from India and abroad, in all the fields of urban transport.

### The Indian Institute of Metals (IIM)

IIM has brought out its promotional brochure for promoting inter alia the profession of metallurgy in India. The Indian Institute of IIM, Hyderabad Chapter organized NFM-GMD 2009- National Seminar on Npn-Ferrous Metals and Global Melt Down- India's Strategies during June 23- 24, 2009 at Hyderabad, A P. The seminar was well attended both by the Industry and academia.

A National Seminar on Production and Processing Technologies of Alloy and Specialty Steels is being organized by the IIM, Delhi Chapter during September 10-11, 2009 at New Delhi. IIM, Kalpakkam Chapter Indira Gandhi Centre for Atomic Research, Kalpakkam and CII-LM Thapar-Centre for competitiveness for SMEs are jointly organizing 23 rd International Conference on Surface Modification Technologies during November 2-5, 2009 at Chennai. The 47th National Metallurgist Day, 63rd Annual Technical Meeting, international conference and Expo, 2009 will be held during November 14-16, 2009 at Kolkata. Details on website : iim-india.org.

### The Institute of Marine Engineers, India (IME (I))

Second Knowledge Enhancing program was conducted at the Nerul IMEI House auditorium on 20<sup>th</sup> June 09. Subject programme: Survey Preparation & Docking Survey was designed and presented by our National Classification Society, Indian Register of Shipping. The Vice President of IME(I), Shri A. K. Gupta welcomed the full house participants and appreciated the arrangements made at the venue. On behalf of IRS Senior Surveyors, Shri Lalatendu Acharya & Capt. V. J. Makuden conducted the program & answered all the related questions during the interactive session. Hon. General Secretary of the Institute proposed vote of thanks. This program is now available for any branch who wishes it to be

conducted at its own venue any where in India with the full support from IRS and IMEI Head Office. The IME(I) was awarded the best organizer award amongst all the Maritime Institutions in the International Conference on ShipTek 2009 held on May 6-7, 2009 at Singapore.

### The Institution of Electronics and Telecommunication Engineers

A two-day Zonal Seminar is being organized on the subject "ICT for the Benefit of Common Man" during August 08-09, 2009 at Bhubaneswar, Orissa. A two-day National Conference is being organized on the subject Recent Trends in Information Technology during September 04-05, 2009 at Mandya, Karnataka. A two-day National Conference/Zonal Seminar is being organized on the subject Emerging Trends in Electronics & Information Technologies (NCETEIT- 2009) during September 19-20, 2009 at Jammu, J&K. IETE's 52<sup>nd</sup> Annual Technical Convention & Exhibition on "Technology & Terror-Role of ICT in War Against Terror is being organized during September 26-27, 2009 at Mumbai. **Please contact Secretary General, IETE for details of all these programmes. E-mail: ietend@gmail.com, membership@iete.org. Website : http://www.iete.org, www.iete.info**

### Empanelment of Structural Engineers for Seismic Assessment & Retrofitting

There is a demand of the Delhi Disaster Management Authority and other Development Authorities in Delhi/NCR for empanelment of competent Structural Engineers who have competency in Seismic Assessment of Masonry and/or Reinforced Concrete multi-storied buildings as well as Retrofitting of buildings deficient in earthquake safety requirements as specified in the IS:4326-1993, IS:1893-2002 and IS: 13920-1993. IAStructE would like to submit a list of competent Structural Engineers to the concerned authorities.

*Contd. from Page 3 - Dr. K.K. Padmanabhan*

Indian Industries (CII), member of ISTE-WPLP Joint expert committee of Academia - Industries, member of REACH Monitoring Committee (RMC) of TIFAC - CORE of the Department of Science & Technology (DST) of Govt. of India and National Chairman of Indian Institution of Industrial Engineering (IIIE). Presently he is the National Council member of IIIE. Dr. Padmanabhan is also the recipient of Bharatiya Vidya Bhavan National Award for Best Engineering College Principal, AIMTDR National Award for outstanding research, Prof. M.M. Ghani Award for outstanding Teacher by Calicut University, Outstanding Fellow Award of Institution of Engineers, Rotary Outstanding Teacher Award, Lillian Gilbreth National Award for Outstanding Contributions to Industrial Engineering, Life Time Achievement Award, Hall of Fame Award for distinguished accomplishments in Engineering, Man of the year 2008 Award, Foremost Engineer of the World 2008 award and Best Citizen of India 2009 Award. Dr. Padmanabhan an Outstanding Academician, Educationalist and Professor of distinguished standing has 42 years of teaching, research and administrative experience including those at NSS College of Engineering Palakkad as Professor in Mechanical Engineering and SNG College of Engineering & Technology, Payyanur as its Principal.

*Our Congratulations*

They may, in turn, bring this to the notice of citizens of NCT/NCR of Delhi to enable them approach the empanelled members for assistance in seismic assessment and/or retrofitting of buildings.

The National Institute of Advanced Studies, Bangalore is organizing BUMA-VII, the Seventh International Conference on The Beginnings of the use of Metals and Alloys during September 13-17, 2009 at Bangalore. The conference is being supported by a number of national and international institutions including the Indian National Academy of Engineering, New Delhi—a Member Association of Engineering Council of India. The conference is being facilitated by the IIM, Bangalore Chapter.

### Indian National Academy of Engineers (INAE)

To recognize outstanding contributions made by young engineers to any branch of engineering, the INAE Young Engineers Award was instituted in 1996 for engineering research, excellence in engineering designs, technology development and technology transfer. Ten candidates were awarded INAE Young Engineers Award. INAE also gives the life time Contribution Award to an eminent Indian citizen who has made most distinguished contributions in the field of Engineering/Engineering Research/Technology. Shri Ratan N. Tata and Dr. E. Sreedharan MD Delhi Metro were conferred the award during 2008.

## Appointments

Mr Avinash Shirode, FIAStructE, a member of the Governing Council, has been elected President of the Association of Consulting Civil Engineers (ACCE). He has been the Vice-President of ACCE, Member of the Council of Architecture and member of the Council of the Institution of Engineers (India). Mr Shirode, obtained post-graduate degree in Structural Engineering from IISc, Bangalore. He has been practicing as Architectural Engineer since 1977 for sugar, textile and industrial projects. He has developed computer software packages for RCC structural design, estimates and construction management.

*Our Congratulations*

Dr M R Kalgal, Vice-President, Technical Services, Grasim Industries Ltd of Bangalore has taken over as Vice-President of the IAStructE, the Southern Region. Jointly with Mr A D Pavate, former Vice-President of the Region. Mr S P Anchuri of Hyderabad has taken over as Chairman of the IAStructE, Andhra Pradesh Centre. Dr S Gopala Sastry has handed over charge of the Visakhapatnam Centre of the IAStructE to Prof P Srinivasa Rao.

*Our Congratulations*

Shri Manoj Mittal has taken over as the Chairman, Action Plan Committee, Shri N S Savarkar, Chairman Finance Committee, Mr R Gogia Chairman, Membership Committee, Mr Ganesh Juneja, Chairman, Public Relations Committee, Dr Dulal Goldar, Chairman, Professional Accreditation Committee and Shri Mr Sushil K Dhawan, Chairman, Professional Development Committee of the IAStructE.

*Our Congratulations*

Shri S. Mahalingam took over as the President of Computer Society of India in April, 2009.

*Our congratulations*

## Vishwakarma Awards 2010

**Organized by : Construction Industry Development Council (Established by the Planning Commission (Govt. of India) and the Construction Industry)**

**It is our pleasure to announce the opening of nominations for Vishwakarma Awards 2010.**

The Vishwakarma awards are inspired by the spirit of construction and creation patronized by Lord Vishwakarma the ruling deity of the Construction practices in India. These Awards are meant to motivate individuals' and organisations' contribution in construction domain and to promote replicable best practices in the Indian construction industry. CIDC has initiated these awards which recognize and honor the valuable contributions and work of Indian Construction Fraternity that has significantly enriched the construction domain and has helped bring about a change in our construction practices. In continuation of our tradition to honor the super achievers of the construction fraternity, we have instituted the Vishwakarma Awards which reflect the true spirit of creation and recognition of excellence in the way we practice our profession.



*Shri B.N.Puri, Principal Adviser, Planning Commission, Government of India delivering his address at the 1st Vishwakarma Award ceremony held on March 7, 2009 at New Delhi*

Each year, this event is celebrated on 7th March which is also the foundation day of Construction Industry Development Council. The first Vishwakarma Award ceremony held on 7th March 2009 was hugely successful and 33 Awards were given in various categories. It may be kindly noted that Construction Industry Development Council (CIDC) was established in 1996 by the Planning Commission, Govt. of India along with the constituents of Indian Construction Industry, as the apex organization to professionalize and improve the functioning of the industry. CIDC recognises the role of a national award for motivation and improved performance of individual workers, artisans and field supervisors (Up to diploma level) and has conceived the Vishwakarma Awards as an award of Excellence in the following categories :



*Shri Chander Verma, Chairman, CIDC giving away the Vishwakarma Award at the 1st Vishwakarma Award ceremony held on 7th March 2009 at New Delhi*

### Award Categories : Announced

- |   |                |
|---|----------------|
| 1. Achievement Award for Social upliftment        | Code A         |
| 2. Achievement Award for an Industry Doyen        | Code B         |
| 3. Achievement Award for a Public Officer         | Code C         |
| 4. Achievement Award for Academician/Technologist | Code D         |
| 5. Best Professionally Managed Company            |                |
| - Category - C To Rs. 500 Cr. Turnover            | Code D1        |
| - Category - B 500 Rs. 100 Cr. Turnover           | Code D2        |
| - Category - A < Rs. 100 Cr. Turnover             | Code D3        |
| - Category - S Entrepreneur                       | Code D4        |
| 6. Artisans 10 Awards                             | Code D5 to D14 |

The Awards cover the entire spectrum of Indian Construction Industry and all stakeholders both from public and private sector including NGOs are encouraged to participate in the process and send their nominations subject to a maximum of one nomination per category as per the categories mentioned above.

**Please contact for more detail :**

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