



The Indian Engineer

We can never obtain peace in the outer world until we make peace with ourselves - Dalai lama

Let the beauty of what you love be what you do - Rumi

When I'm dead, do not declare a holiday. Instead, work a day extra' - Dr. APJ Abdul Kalam

NEWSLETTER OF THE ENGINEERING COUNCIL OF INDIA

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Director

Message from the Chairman

ECI's National Conference, to be held on November 16, 2015 at India International Centre, New Delhi is the flagship event of ECI.

The Theme is 'Make in India-Role of Engineers & Technologists.'

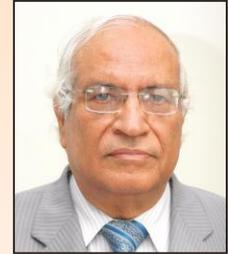
Full support and close involvement of the Member Societies/Associations is necessary to make it a big success.

'Make in India' is Government's clarion call to the world to come here and invest in manufacturing. Policy measures are being taken to make it easy for investors – both Indian and foreign to do business in India.

A massive investment in projects and programmes in various sectors is expected for this purpose. Indian engineers & technologists thus have an important role in realizing the 'Make in India' objective.

ECI has been continuously pursuing the Engineers Bill with the Ministry of HRD. I have met the new Secretary Mr. V S Oberoi and Additional Secretary. R. Subrahmanyam, in the Ministry of HRD and requested them to take up the processing the Bill on an urgent basis. ECI and several member organisations had submitted a petition to the Ministry for expediting the Bill. However, it is understood that IE(I) did not sign it. Instead, it came out with a public notice on 12th September 2015, on 'Regulation of Engineering Profession by promoting Ethical Practices.' This could have implications in regard to our efforts to get the Engineers Bill processed by the Ministry on an urgent basis. We are arranging a meeting of the Board of Governors, together with all Member Associations of ECI on October 29, 2015 to discuss the strategy and action plan for ECI.

I wish to convey my greetings to all member associations on the occasion of the forthcoming festivals.



Uddesh Kohli
(Uddesh Kohli)

Metallic Insight

As a school student, I had a keen interest in engineering but was unable to decide whether I should pursue a BTech, BE or a BSc degree. My uncle happened to be a metallurgical engineer who worked with aero- plane and submarine bodies. I was fascinated with planes, and naturally, wanted to pursue a career that would allow me to explore my interests. That is how I decided to study metallurgical engineering. I opted for a BMet over other options, such as civil, chemical and instrumentation engineering. Materials (metals and non-metals) form the backbone of post engineered products. Starting from bridges, cars, steel structures of buildings and the microchips used in electronic gadgets to the nano-fibers used for tissue implants, all these materials are used in engineered products developed to improve the quality of life. The demand for engineers in this field is rising with the steel sector accounting for the highest percentage of GDP. As part of the four-year course, we have studied subjects including mineral beneficiation, geology, physical metallurgy, iron-making, steelmaking, foundry metallurgy, electrochemistry and corrosion, etc, other than common subjects like maths, physics, chemistry, mechanics, strength of materials, machine designing, electrical and electronics, etc.

Source : Times of India

BROADCAST ENGINEERING SOCIETY (INDIA)-BES

BSE Expo 2016 : BES is organising BES Expo during February 4-6, 2016 at Delhi. For details send a mail at bes@besindia.com, visit website: www.besindia.com

COMPUTER SOCIETY OF INDIA –CSI

CSI, Delhi Chapter will hold its 50th Golden jubilee Annual Convention during December 2-5, 2015 at the India International Center, Lodhi Road, New Delhi. As a part of the convention, CSI, Delhi Chapter is proposing to organise a seminar on Digital Life. For details send a mail at hq@csi-india.org or visit website: www.csi-india.org

CONSTRUCTION INDUSTRY DEVELOPMENT COUNCIL

8th CIDC Vishwakarma Awards 2016

Construction Development Council (CIDC) has announced 8th Vishwakarma Awards 2016 and the last date for receiving the nominations for these awards is October 30, 2015. For further details please visit www.cidc.in or speak to Shri Ashutosh Bhardwaj, Director, Corporate Affairs on his cell +91 98685 66547.

ENGINEERING COUNCIL OF INDIA (ECI)

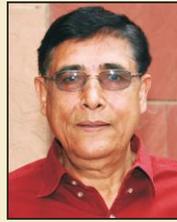
ECI is organising the 13th National Conference on the theme: Make in India-Role of Engineers & Technologists on November 16, 2015 at India International Centre, 40 Max Muller Road, New Delhi. For details, send a mail at eci@ecindia.org, pnshali@gmail.com, director@ecindia.org, or, visit Website: www.ecindia.org

THE INDIAN INSTITUTE OF METALS-METEX INDIA

A national conference on Metallurgical Industries-Sustainability and Value Addition concurrently with 4th International Exhibition on Metals, Materials and Metallurgical Technology, Equipment & Supplies (MetEX India) will be held on December 3-5, 2015 at Bangalore International Exhibition Centre, Bangalore, India. For details send a mail at:

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From the Editor's Desk



Engineers will have to give top priority to knowledge upgradation and skill development

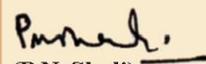
Engineers and engineer technicians demand is anticipated to grow with the launching of Make in India Mission and with the opening up of trade in services including engineering services in due course. The pertinent question here is: are Indian engineers and engineer technicians ready to meet this emerging demand? General feeling is that our engineers and engineer technicians are far from the world quality bench mark, some exceptions apart.

India has given a clarion call to the world come to India and invest in infrastructure and manufacturing. This means that the foreign investors are likely to employ India engineers and engineer technicians because comparatively this will be a cheaper option for them. The foreign investors are expected to import their technologies. Besides, newer technologies are emerging at faster pace in all most all technical sectors.

Further, globalization, borderless trade, comprehensive laws for protecting innovations, shortening technology life cycles and others have very substantially changed the way organisations operate and the way they are managed. Technology based strategies are becoming more important than the erstwhile physical resources based strategies. In such a scenario, technology has become an important source of competitive advantage. Thus, the present economic environment is generating opportunities for those who are knowledgeable and skilled to manage technologies.

The emphasis today is on sustainable development. India is far reducing carbon dioxide emissions. This will call for induction of new environment friendly technologies and innovation of the existing technologies. Much would depend on how well organisations manage their technological resource. The winners would be those who can identify signals of technological change, manage technology development and technology acquisition process efficiently, etc.

To meet the emerging challenges, Indian engineers and engineer technicians will need updated knowledge and skills, because obsolescence of what has been learned and experienced is a regular feature today. So, Indian engineers and engineer technicians will do better if they keep on improvising their knowledge and skills through continuing professional development programmes. Policy makers have taken steps for filling skill gaps across all economic sectors, particularly across all engineering disciplines including for engineer technicians. For future, policy makers should also take steps to reform engineering education and training for bringing it up to the world quality bench marks and also bring in legislation for regulating engineering profession so that engineers are made accountable for their professional decisions and ensure that they work with ethics. This is an essential policy feature in the developed countries from where we are expecting the investment to come from under Make in India Mission and with whom largely we are going to trade our services. Engineers, engineer technicians and organisations will have to give top priority to knowledge upgradation and skill development for meeting the emerging challenges.


(P.N. Shali)

Distinguished Engineer : Shri N. Chandrasekaran

Shri Natarajan Chandrasekaran fondly called “Chandra” is an eminent IT professional of India. A tireless traveler who is always willing to meet customers, Chandra personifies TCS' commitment to its culture of customer centricity, its reputation for high service quality as well as its tradition of innovation. A techno entrepreneur known for his ability to make big bets on new technology, Chandra has been driving several innovative initiatives at TCS, some of which have since scaled into sizeable new businesses. Chandra has been playing an active role in helping the Indian Government expand trade and enhance business relationships with several countries. He is part of the bilateral business task forces for Australia, Brazil, Canada, China, Japan and Malaysia.



Shri N. Chandrasekaran

Under the guidance of Shri N. Chandrasekaran, the TCS has refined its corporate sustainability programme to focus on education, environment and wellness. The firm has created healthcare solutions for charitable hospitals to help them to improve the level of patient care more effectively and use their resources to treat more patients who cannot afford healthcare. Through his active support of major marathons in Boston, Berlin, New York, Chicago, Amsterdam, Mumbai and Bangalore, he has helped spread a message of health awareness across the firm's employees globally as well as in the communities it operates in.

Chandra is the Managing Director and Chief Executive Officer of Tata Consultancy Services (TCS), a leading global IT solution and consulting firm, and a member of its Board of Directors. He was elevated to the role of Chief Executive in October 2009 after serving as the Chief Operating Officer since 2007. With revenues of US\$ 13.4 billion in 2013-14, TCS is among the fastest growing IT services companies globally with a compounded annual growth rate of 26 per cent over the last three years. The market capitalization of the company crossed US\$ 70 billion during 2013-14, making TCS the most valuable company in India. With over 310,000 consultants, TCS has become the largest private sector employers in India with the highest retention rate in a globally competitive industry. Chandra has spent his career in TCS, joining the company in 1987 after completing Masters in Computer Applications from Regional Engineering College, Trichy, Tamil Nadu.

Positions Held

Chandra was the chairman of NASSCOM, the apex trade body for IT services firms in India in 2012-13 and continues to be a member of its governing executive council. Chandra is also a member of the honorary committee of European Business Summit.

Awards and Honours

Chandra has received several awards and recognition in the business community in 2014-15. Recently he was presented with the “Best CEO for 2014” by Business Today for the second consecutive year. Chandra was voted the 'Best CEO' by the Institutional Investor's 2014 Annual All-Asia Executive Team rankings. Chandra was conferred with the honorary doctorate by the JNTU, Hyderabad, India (2014). Chandra has received Honorary Doctorate from Nyenrode Business Universiteit, Netherland's top private business school (2013). He has also been conferred honorary degrees by many Indian universities such as the Gitam University, Vishakhapatnam, Andhra Pradesh. (2013) KIIT University, Bhubaneswar, Odisha (2012) and the SRM University (2010), Chennai, Tamil Nadu. Chandra was awarded the 'Management Man of the Year' (2013) Award from the Bombay Management Association (BMA). He was named the 'Best CEO' in the Technology, IT Services and Software sector in the Institutional Investors' 2013 Annual All-Asia Executive Team Rankings. Chandra has also been named one of STEM connector's 100 CEO Leaders in STEM.' He was also awarded 'Asia Business Leader of the year' by CNBC Asia. Chandra was adjudged the 'Indian of the Year 2012 - Business Leader' by NDTV and as the 'Business Visionary of the Year' by NDTV Profit. Forbes India recognised him as their 'CEO of the Year' in 2012. He has also received the Medal of the City of Amsterdam - Frans Banninck Coq- in recognition of his endeavor to promote trade and economic relations between Amsterdam and India.

Beyond office, Chandra is an avid photographer, music aficionado and a passionate long-distance runner who has completed marathons in Amsterdam, Boston, Chicago Berlin, Mumbai, New York, Prague, Stockholm, Salzburg and Tokyo. Born in 1963, Chandra lives in Mumbai, with his wife Lalitha and son Pranav.

Obituary

With great shock and sadness, we have learnt about the untimely passing away of Shri C.R. Alimchandani. He was a great human being and an extraordinarily dynamic and competent engineer. He was active till the last moment, always bubbling with new ideas and achieved many goals during his lifetime. The Institution of Engineers (India) (IEI), Maharashtra State Centre (MSC) has had a close interaction with him as he was President of the IEI during 1985-86. His passing away is a personal loss to us as much as it is a great

loss to his family and to the engineering fraternity. A condolence meeting was arranged by the IEI, MSC on July 20, 2015 to pay homage to the departed soul (via email from MSCofIEI).

ECI mourns untimely death of Shri C.R. Alimchandani and conveys its heartfelt condolence to the bereaved family and to the members of IEI (MSC) and prays to almighty God for the eternal peace of the departed noble soul.

News Kiosk

The National Accreditation Board for Certification Bodies (NABCB) has signed the Pacific Accreditation Cooperation (PAC) Multilateral Recognition Arrangement (MLA) for



Information Security Management Systems (ISMS) accreditation programme in June 2015 in Colombo following up on the peer evaluation conducted in Oct, 2014 and subsequent successful ballot amongst PAC members. PAC Peer Evaluation was conducted by a 2-member team comprising Mr. C K Cheung from Hong Kong as Team leader and Mr. Ding Zy-Kaan from TAF, Taiwan as ISMS expert during October 27-29, 2014. The team evaluated the NABCB accreditation policies, documentation, processes, competence, records etc. relating to ISMS programme and also witnessed an assessment of a certification body conducted by NABCB. Based on the PAC MLA signed by NABCB, it is likely that NABCB will sign the IAF MLA for ISMS as well as FSMS in October 2015.

The above picture depicts. NABCB signs MoU with GCC Accreditation Centre (GAC). NABCB has also signed an MoU in June 2015 at Colombo with the Gulf Cooperation Council (GCC) Accreditation Centre (GAC)- a common accreditation body for Gulf countries- on its request. One of the aims of the MoU is to recognize Indian conformity assessment bodies based on NABCB accreditation for the purpose of certifying conformity of products from India to Gulf based on their regulations which should help Indian industry. GAC has also expressed its desire to do programmes in India for the industry about their regulations. NABCB will conduct 1-day programmes on Gulf regulations on toys and electrical products for the benefit of Indian industry in third quarter of FY 2015-16.

An International Conference on Women in Science & Technology: Creating Sustainable Career will be organized by the Gujarat Technological University, Ahmadabad, Gujarat in collaboration with the BVM Engineering College (an autonomous institution), managed by Charutar Vidya Mandal, Vallabh Vidyanagar, Anand, Gujarat during January 28-30, 2016 at Birla Vishwakarma Mahavidyalya, Vallabh Vidyanagar, Anand, Gujarat, India.

A Letter on Engineers Bill

Dear Sir,

Is there any progress further regarding Engineers Bill? I heard that civil engineers, whether they are structural consultants, contractors, or valuers are soft targets of investigating agencies like CBI, police, CID in cases of collapse or opinion about valuation or any problem related to civil engineering in practice, etc. There is nobody to decide who is guilty. Since there is no legal body to interfere like other professional councils, these agencies directly start proceedings against engineers. Nobody is there to protect the engineer and

profession. Clients are also now a day's aware of this helpless situation of engineers in our county and take advantages of the situation. There is an urgent need to bring this fact to the notice of central government. Other councils have clearly written in their act that no court or other agencies will interfere except council. Other professions are enjoying the benefits of their act and for us to work as an engineer is not possible. Can we give some ultimatum to government for Engineers Act?

Thanking you,

P.A. Dixit (via email)

View Point

All the structures constructed in the riverfront area of Yamuna, especially east Delhi, are founded on partially saturated medium to loose sands. While there is an awareness of earthquake-resistant structural designs, I wonder if any consideration is given to foundation failure due to sand liquefaction, during moderate to severe earthquakes. Low-rise structures with shallow foundations as well as high-rise structures with piling & deep foundations are also susceptible to foundation failure due to liquefaction of the sand strata. What are the analytical tools available & what are the construction techniques one can adopt to mitigate this problem??? This is a very serious issue but seems to me that there has been no concern raised till now.

C K Jain-in-India (M : 93124 39464)

Awards

The Tiruchirappalli Chapter of the Indian Institute of Metals has conferred the coveted Dr G V Memorial Lecture Award 2015" on Dr. Vijayamohan K Pillai, Director, Central Electro Chemical Research Institute, Karaikudi. At a function held at the Institutions building premises, at BHEL Township, Mr. R Easwaran, Chairman of the Chapter presented the award to Dr. Pillai in the presence of Dr. S Sundarajan, Director NIT and Mr. P. Soundararajan, immediate past chairman of the Chapter.

Our Congratulations

News from the Member Associations

Association of Consulting Civil Engineers (India) - ACCE (I)

ACCI (I) is organising an international conference on Forensic Civil Engineering during January 21-23, 2016 at Hotel Radisson Blue, Nagpur. For details send a mail at accehq@vsnl.com, admin@accehq.net, or visit website: www.accehq.net

Broadcast Engineering Society (India)-BES

BES Expo 2016

BES is organising an international conference & exhibition on Terrestrial & Satellite Broadcasting during February 4-6, 2016 in Kempinski Ambience Hotel, Near Yamuna Sports Complex, Delhi-110032. It is the 22nd in the series of events to be organized by the BES. The event follows BES Expo 2015 in which nearly 300 companies from 25 countries included those from Australia, Austria, Canada, China, Denmark, Finland, France, Germany, Hong Kong, India, Israel, Italy, Japan, Korea, Netherlands, Norway, Singapore, Spain, Sweden, Switzerland, Taiwan, U.K. and U.S.A participated directly or through their dealers and distributors in India and displayed their products which was appreciated by exhibitors as well as visitors. BES Expo 2016 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 and post-production, analog as well as digital.

Computer Society of India-CSI

A three-day training programme on Hands-on Evolutionary Algorithms Using Matlab (HOEA 2015) was organised by the Department of Computer Applications, PVP Siddhartha Institute of Technology in association with Div-V (Education and Research) of the Computer Society of India during September 10-12, 2015 at the Department of Computer Applications PVP Siddhartha Institute of Technology, Vijayawada. The programme was very well attended by all the stake holders.

Computer Society of India and the National Institute of Electronics & Information Technology (NIELIT), Government of India jointly organized a two-day HANDS – on Workshop on Embedded System Design using MSP430 during July 24-25, 2015 at the Computer Society of India, IT Campus, 4th Cross Road, Taramani, Chennai. The objective of the workshop was to provide a practical exposure in using MSP430F5529 launch pad to develop embedded application and the subjects covered included introduction to architecture & features of MSP430F5529, working with code composer studio Interfacing Singal 7 Segment LED, multiple 7 segment, LCD and input-output peripherals temperature measurement and display in LCD, handling interrupts, PWM – based drive

control. The workshop was very well attended by all the stake holders.

Consulting Engineers Association of India-CEAI

In continuation of CEAI's activities for the year 2015 as 'Women Engineers Year', a technical lecture on the subject "Human Factor to Road Safety" was organised on July 22, 2015 at Consultancy Development Centre, Core 4-B, 2nd Floor, India Habitat Centre, Lodhi Road, New Delhi. The lecture was delivered by Dr. Neelima Chakrabarty, Sr. Principal Scientist, Central Road Research Institute and Professor in CSIR-PG Degree Course. The lecture was very well attended by all the stakeholders. CEAI also organised an open-house training course on "FIDIC Conditions of Contract for EPC/ Turnkey Projects" on July 27-28, 2015 at PHD Chamber of Commerce, New Delhi. The programme aimed at providing a broad insight into project contracting strategy. The programme was very well attended by all the stake holders.

Smart Cities is a signature project of the Hon'ble Prime Minister. With its vast experience in engineering consultancy, CEAI organised a seminar on 'Engineering Smart Cities' during September 25-26, 2015 at Manekshaw Centre, New Delhi. The focus of the seminar was on the planning and engineering aspects of smart cities. It was very well attended by all the stake holders.

Construction Industry Development Council of India-CIDC

CIDC and DRDO jointly conducted a 10 day workshop for DRDO engineers from September 7-16, 2015, on Testing of Construction Materials. Various leading experts from their fields were invited to induct participants to latest testing techniques and methods. Esteemed speakers included: Prof (Dr). Niranjan Swarup, Director General. INDSTT, Dr Anjan K Chatterjee, FNAE, Chairman, Conmat technologies Pvt Lt, Mr. E. Gopalkrishnan, Head- Lab & Consultancy Services, Dr. Fixit Institute of Structural Protection & Rehabilitation, Dr PSR Narasimha Raju, Technical Director, Civil Aid Technoclinic Pvt. Ltd., Dr Swapan Kumar Das, Retd. Dy



Director, Central Glass & Ceramic Research Institute, Mr. Amol Shingarey, founder, Geotech Services, Geotechnical Intelligence, Mr. S.P. Gandhi, Advisor - Lab services, Bureau Veritas (I) Pvt Ltd., and Mr. Sanjay Pant, Director (Civil Engineering), Bureau of Indian Standards (BIS). The programme was appreciated by everyone. Senior DRDO members lauded the effort and congratulated CIDC on the programme's successful completion. Participants were motivated and DRDO has expressed its interest in conducting more such programmes in near future.

CIDC UNECE Centre of Excellence for PPP projects in Roads and Highways launches next round of case study oriented set of six courses for PPPs for roads and highways between November 2015 and January, 2016. For details visit:<http://www.cidc.in/newppps.html>.

Indian Association of Structural Engineers – IAStructE

IAStructE organised a two - day seminar on “Challenges in Earthquake Resistant Design of Buildings & Structures” on September 4-5, 2015 at New Delhi. In the past, IAStructE organized successfully two seminars on Earthquake Resistant Design of Structures and Retrofitting of Structures (2005 & 2006). Since then, significant advancement in engineering has taken place. Revised codes & standards are being published by IRC, IRS & BIS and the world over incorporating the latest state-of-the-art knowledge. In light of this, IAStructE decided to conduct yet another seminar on this theme to continue the discussion on the modalities and methodologies being developed to plan, design, construct and retrofit structures in earthquake prone areas. The seminar was very well attended by all the stake holders.

A technical lecture on the subject “Evolution of Reinforced Earth Technique” was delivered by Shri Somnath Biswas, Managing Director, Reinforced Earth India & Freyssinet Menard India on July 30, 2015 at Consultancy Development Centre, Core 4B, 2nd Floor, India Habitat Centre, Lodhi Road, New Delhi. The lecture was very well attended by all the stake holders.

Indian Institute of Chemical Engineers – IChE

IChE organised Industry'.Schemcon-2015 on the theme "Sustainable Development for Better Tomorrow “during September 12-13, 2015 at the Department of Chemical Engineering, MIT Academy of Engineering, Pune, Maharashtra. It was attended by all the stake holders.

The Guwahati Regional Centre of IChE proposes to organise Chemcon-2015 on the theme 'Chemical Engineering - From Laboratory to Industry in collaboration with Department of Chemical Engineering, Indian Institute of Technology, Guwahati, during December 27-30, 2015 at Guwahati. For further details of the programme send a mail at iichehq@vsnl.com or visit www.iiche.org.in.

IChE and IChemE, UK have been jointly promoting a biennial students' exchange programme since 2007. As part of the programme this year, three under-graduate student members of the IChE will be making a short trip to Birmingham and other areas of England during November 2 – 6, 2015. The students will undertake university tours, industrial tours and attend IChemE Annual Awards Dinner. The process of the final selection of the students is underway.

Indian Institute of Bridge Engineers - IIBE

IIBE organised an international seminar on 'New Construction Materials, Techniques and Designs in Bridge, Tunnel and Road Construction', for infrastructure development in accessible borders areas during September, 11-12, 2015 at Zorawar Auditorium Manekshaw centre New Delhi. It was well attended by all the stake holders. For proceedings of the seminar send your request at iibe_dsc1@yahoo.co.in, lalgreg@yahoo.co.in.

Indian Concrete Institute-ICI

ICI is organising RILEM-ICI 5-day doctoral course on advanced concrete technology during November 29 - December 4, 2015 at the Department of Civil Engineering, Indian Institute of Technology Madras, Chennai. This course is designed to help graduate students and faculty members to teach elective courses in concrete technology; and practicing engineers to learn good concrete engineering and construction practices. It is anticipated that the attendees will understand the underlying mechanisms and the techniques to achieve various properties of today's advanced concrete by appropriate material selection, mix-design, and construction practices. The lectures and laboratory sessions will be delivered with a blend of research and practice-oriented viewpoints. For details contact Dr. Radhakrishna G. Pillai/BTCM-ACT 2015 Organizers BTCM Office, Dept. of Civil Engineering, IIT Madras, Chennai-36 Phone: +91 44 2257 4303/5255; e-mail: iitmconcrete@gmail.com or send a mail at ici4@airtelmail.in, secgenici@airtelmail.in or visit <http://www.indianconcreteinstitute.org>.

A Workshop on Innovation in Enabling Works, Formwork, Scaffolding Systems was held during September 11-12, 2015 at New Delhi.

An International Conference of Suppliers to Construction Chemical Industry of India was held during September 25-26, 2015 at the Lalit, Sahar Airport Road, Mumbai. Both these programmes were attended by all the stake holders.

Indian Society for Non Destructive Testing-ISNT

An international symposium on Non-Destructive Testing in Civil Engineering (NDT-CE) was held during September 15-17 at Berlin, Germany. This was an important annual event and provided highly stimulating and interactive platform for all the

NDE professionals'- experts, equipment manufacturers, third party inspection agencies and service providers- to explore and exchange latest ideas and advancements in the field of NDE. The symposium was attended by all the stake holders.

Indian Society of Agricultural Engineers- ISAE

The 50th ISAE convention on the theme "Agriculture Engineering in Nation Building-Contributions and Challenges" will be held at OUAT, Bhubaneswar during January 19-21, 2016. For details send a mail at isae1960@gmail.com, isae2001@yahoo.co.in, or, visit website: <http://www.isae.in/node/7>.

Indian Society for Technical Education-ISTE

The 20th ISTE State Annual Faculty Convention 2015 is being organised on October 27, 2015 jointly with ISTE, Gujarat Section, Uka Tarsadia University, C.G. Patel Institute of Technology, Bardoli-Mahuva Road, Tarsadi. For details contact the organising Secretary, Prof. Nikunj Gamit (9898530454), or Prof. Sudhakar Nakka (8154910960).

The Mining Engineers' Association of India-MEAI

An international conference on Geo-Mechanics, Geo – Energy and Geo- Resources (IC3G 2016) will be organized by Monash University 3G Deep in Melbourne, Australia. Abstract submission deadline is November 30, 2015, and notification of abstract acceptance is January 01, 2016. The full paper submission deadline is May 01, 2016, and early bird registration begins in July 15, 2016 & ends in August 15, 2016. Conference chair is Prof. Ranjith PG, email: ranjith.pg@monash.edu

The Council of Engineering & Technology India CET (I)

CET(I) celebrated Engineers Day on September 15, 2015 to commemorate the birth anniversary of the 1st engineer of India, Sir Mokshagundam Visvesaraya. On the occasion, a seminar was also organized by the TIIME Group of Institutions on "Technology Challenges in Skill Era" which was sponsored by SAY (NGO). The celebration was inaugurated by Dr. Phalguni Bhattacharya, Er. Tapas Dutta, Prof. Dr. Tripti Guin Biswas, Prof. D. Dutta, Er. D. Chatterjee in the presence of



Dr. K.C. Sahoo, Chairman, CET (I) and many other eminent dignitaries. The eminent speakers were invited from the Jadavpur University, Center for Advanced Engineering, Ramkrishna Mission, PBSSD, Govt. of West Bengal, etc. who spoke on combating the challenges in this era of skill development for sustainable employment in future. A small cultural programme was also organised on the occasion in which little angels presented their skills of singing, recitation and dancing. The seminar was followed by 'Award Ceremony' for the students for outstanding result in the tenth and twelfth standard examinations. It was a positive experience for all of our existing student members and pass outs. The vote of thanks was delivered by Prof. Sudipta Maiti, B.E. MCA, Principal of TIIME Group of Institutions.

The Institution of Civil Engineers (India)-ICE

ICE is creating its Alumni Association. ICE realising that it is always a matter of prestige to complete one's education through a reputed institution and it is also necessary to maintain continuity with one's Alma-mater. That is why there are alumni associations in every institution to reciprocate the information from both ends. Need has been felt for long that ICE (I), which coordinates various activities at the national and international level, should have involvement of its non-corporate members. This enables the members not only to get the updates from the Institution but also an opportunity to attend various programmes that the ICE organises from time to time.

The Institute of Electrical and Electronics Engineers, Inc-IEEE

The Department of Electronics Engineering, BRAC's Vishwakarma Institute of Technology, Pune is organising an international conference on Information Processing during December 16-19, 2015. For details send a mail at contact_icip@vit.edu, or visit: www.icip.in.

The 10th INDIA Com and the 3rd international conference on "Computing for Sustainable Global Development" would be held during March 16-18, 2016 at Bharati Vidyapeeth, New Delhi. The objective of INDIACom-2016 is to invite original research papers primarily in the field of computer science and information technology and, generally, all interdisciplinary streams of engineering sciences, having central focus on sustainable computing applications which may be of use in enhancing the quality of life and contribute effectively to realise the nations' vision of sustainable inclusive development using computing. INDIACom-2016 will be an amalgamation of four different tracks organised parallel to each other, in addition to few theme-based special sessions. The conference will provide a platform for technical exchanges within the research community and will encompass regular paper presentation sessions, invited talks, key note addresses, panel discussions and poster exhibitions. For details send a mail at

bsingh@ee.iitd.ac.in, ponnav@gmail.com, or, visit website:www.ieee.org.

The Institute of Marine Engineers (India)- IMEI

IMEI organised INMEX and SMM 2015 a 'South Asia's Maritime Buyers and Sellers Met' during September 23-25, 2015 at Bombay Exhibition Centre, Mumbai. This event was organised with the support of Ministry of Shipping, Government of India. A large no of delegates and local and international exhibitors attend the event. A dedicated conference hosted by the Industry leaders and marine experts was also organised as a part of the event.

The Visakhapatnam Branch of IMEI organised a Global Maritime Seminar 2015 on 'Challenges in Ship Building for Revival of Shipping & Emergence of Offshore/Sub-Sea Technologies with Special Reference to Environmental Protection' during July 16-18, 2015 at Visakhapatnam. The Chief Guest, Shri. Ganta Srinivasa Rao, Hon'ble Minister for HRD and Education, Govt. of Andhra Pradesh, inaugurated the



seminar. Responding to the request of the Chairman, Shri Murty, the Hon'ble Minister announced his intention of allotting a piece of land within the city limits to the Visakhapatnam Branch to enable it to construct an office. He also announced to the assembled audience that he would use his good offices to better the career prospects of the local engineering cadets. He has released the "GLOMARS 2015" souvenir and declared open the stalls of the exhibition. Having been a ship owner himself, Shri Srinivasa Rao, evinced keen interest in the event as a whole. The three day Seminar was covered by a number of news papers. Both these events were very well attended by all the stake holders.

IMEI is now ISO 9001:2008 certified institute; the Institute was awarded the certificate at a function held on August 22, 2015 at its premises in Nerul. The Inauguration of the "NMIS – IMEI Goa Study Center" and the launching of the Post Graduate Diploma in Shipping Management or Associate/Fellowship, was held at IMEI House, Rangavi Estate, Dabolim on August 5, 2015. The Chairman of the Goa branch welcomed the chief guest, dignitaries, students and guests for the function. The lighting of the ceremonial lamp by



the Chief Guest Shri Ashok Chowgule, Jt. Managing Director, Chowgule & Co. Ltd., Guest of Honour, Dr. Sasikumar Punnekkat, Director, BITS Pilani, KK Birla Goa Campus, Shri. Rajeev Nayyer, CEO, Essar Oilfield Services India Ltd. and Vice President IME (I), Shri. Dilip Mehrotra, Chairman, Goa Branch and the Course Co-coordinator Shri. C Dayal was followed by inauguration of the center and the course.

Shri C Dayal, spoke about the course and the formation of the NMIS – IMEI, Goa Study Center. Shri. Rajeev Nayyer gave the presidential address and highlighted the need for better education in the marine field. Dr. Sasikumar Punnekkat emphasized the need for a unified effort to change the system. He mentioned the competition should be with oneself and have to be forward looking. The Chief Guest, Shri. Ashok Chowgule, spoke about a larger vision in the shipping sector for our country. He mentioned that there is a need to increase in tonnage and larger efforts in our country to catch up with the other countries and requirement of faster pace of development. He also mentioned the need for effective mentoring which is important in today's organizational structure.

The Goa branch of IMEI organised a technical meeting on August 11, 2015 at IMEI House.

The AGM of the Institute's Kolkata branch was held on July 3, 2015 at Maharaja Banquets, Kolkata.

The AGM of the Kochi branch was conducted on July 18, 2015 at Merchant Navy club Auditorium W. Island Kochi.

The AGM of the Goa branch was held on July 20, 2015 at Hotel La-paz Gardens, Vasco-Da-Gama.

The Indian Institute of Metals-IIM

A Conference on "Advanced Materials and Materials Processing-2015" (AMMP-15) at NIT, Srinagar, Kashmir

A National Conference on "Advanced Materials and Materials Processing-2015"(AMMP-15) was held at NIT Srinagar during May 22-23, 2015. The student affiliate chapter of IIM at NIT Srinagar was actively associated with the organisation of the conference. Dr Srikumar Banerjee former Chairman, Atomic Energy Commission and Chancellor, National

University of Kashmir was the Chief Guest at the conference. Prof. I. Manna Director, IIT Kanpur and Prof. U.K. Chatterjee, Indian Institute of Metals, Kolkata were the Guests of Honour. Prof. D.M.A. Khan Head, Metallurgical Engineering Department, NIT Srinagar, welcomed the gathering. Prof. Rajat Gupta, Director, NIT Srinagar, inaugurated the conference. The keynote address was given by Dr. Srikumar Banerjee on the topic "Shape Memory Alloys". Prof. I. Manna also gave a keynote address on "Laser Materials Processing". Plenary lectures were given by Prof. U. K. Chatterjee on "Metallic Materials for Body Implants" and Dr. M.M. Husain, BARC Mumbai, spoke on "Low Temperature Super Conductors Fabrication and Applications". Dr. Atikur Rahman, convener delivered a vote of thanks during the valedictory function. Scientists and researchers from all over India participated in the conference. An International Seminar on 'Innovative Technologies for Clean, Green & Automated Steel Plants : A Better Tomorrow' was organised jointly with Steel Tech Kolkata and NIT Durgapur in association with

Ministry of Steel, CII, CSIR-NML and IIT Kharagpur on September 10-11, 2015 at Taj Bengal Hotel, Kolkata. It was very well attended by all the stakeholders.

The Institution of Electronics and Telecommunication Engineers-IETE

The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India. An international conference on Microwave and RF is proposed to be held during December 10-12, 2015 at Hyderabad. A global wireless summit 2015 on the theme: "Democratizing Communications" is proposed to be held during December 13-16, 2015 at Hyderabad. An international conference on "Microwaves, Antenna, Propagation and Remote Sensing" is proposed to be held during December 15-17 2015 at Jodhpur, Rajasthan. A pre conference workshop will be held on December 14, 2015 at the same place. For details on these programmes send a mail at sec.gen@iete.org, or, visit website: www.icmars.org, www.iete.org

What is Pin Drop Silence?

What is the meaning of pin drop silence? Following are some instances when silence could speak louder than voice : Field Marshal Sam Bahadur Maneckshaw once started addressing a public meeting at Ahmedabad in English. The crowd started chanting, "Speak in Gujarati. We will hear you only if you speak in Gujarati." Field Marshal Sam Bahadur Maneckshaw stopped, swept the audience with a hard stare and replied, "Friends, I have fought many a battle in my long career. I have learned Punjabi from men of the Sikh Regiment; Marathi from the Maratha Regiment; Tamil from the men of the Madras Sappers; Bengali from the men of the Bengal Sappers, Hindi from the Bihar Regiment; and even Nepali from the Gurkha Regiment. Unfortunately there was no soldier from Gujarat from whom I could have learned Gujarati."

(Contribution by Shri A.S. Chaddha, Engineer Consultant Via Email)

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iimbangalorechapter@gmail.com, iiomcal@dataone.in, or, visit website: www.iim-india.net, or phone the convener on phone no : +91-80-22933407, Mobile : +91-9964973180

INDIAN SOCIETY OF AGRICULTURAL ENGINEERS-ISAE

50th Annual Convention of ISAE and Symposium on the theme: Agricultural Engineering in Nation Building: Contributions and Challenge" will be organised during January 19-21, 2016 at the College of Agricultural Engineering and Technology (CAET), Orissa University of Agriculture and Technology (OUAT), Bhubaneswar, Odisha, India. For details send an e-mail at isae1960@gmail.com, isae2001@yahoo.co.in or visit <http://www.isae.in/node/7>

Superannuation

Dr. A.P. Srivastava, former Vice President, ISAE ex National Coordinator (NAIP) ICAR, KAB -II, retired on 31st July, 2015. ECI wishes him a very happy and peaceful retired life.

Appointments

Prof. B. C. Mal has taken over as the Vice Chancellor, JIS University, Agarpara, Kolkata, in July, 2015. He has served earlier as the Vice Chancellor, Chhattisgarh Swami Vivekanand Technical University, Bhilai. He has also served as Prof, IIT, Kharagpur.

Our Congratulations

Think it Over

'When a problem arises, become the captain of the problem and defeat it. – A P J Abdul Kalam

Give a crook a gun, and he can rob a bank. Give a crook a bank and he can rob everyone.

Lessons in Logic

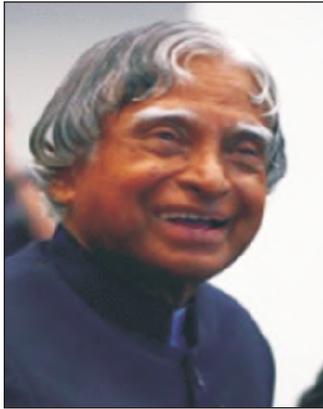
If your father is a poor man, it is your fate but, if your father-in-law is a poor man, it's your stupidity.

Since light travels faster than sound, people appear bright until you hear them speak.

Money is not everything. There's MasterCard & Visa.

Dr APJ Abdul Kalam is no more with us

CEAI joins the nation in its grief for the sad demise of great Scientist, Engineers and former President Dr. A.P.J. Abdul Kalam. In every capacity he contributed something different for the nation and excelled in that. He totally changed the rules of the game when he was President of India and that is why he is known as "People's President". It is a great solace that he is the recipient of highest civilian award Bharat Ratna. CEAI members pay their respectful tribute to the great man and pray that his soul rests in peace.



Sudhir Dhawan
President, CEAI

Dr. Avul Pakir Jainulabdeen "A.P.J." Abdul Kalam was the 11th President of India. Dr Kalam was a career scientist, and studied physics and aerospace engineering. He spent the next four decades as a scientist and science administrator, mainly at the DRDO and ISRO. He was intimately involved in India's civilian space programme and military missile development. That is why he also came to be known as the Missile Man of India for his work on the development of ballistic missiles and launch vehicle technology. Widely referred to as the "People's President," he returned to his civilian life of education, writing and public service after a single term. He was a recipient of several prestigious awards, including the Bharat Ratna- India's highest civilian honour. While delivering a lecture at the Indian Institute of Management Shillong, Kalam collapsed and died from an apparent cardiac arrest on 27 July 2015, aged 83. His death was mourned across the nation and world. ECI mourns his death, conveys its hearth felt condolence to the bereaved family and prays to Almighty God for peace to the departed noble soul.

Letters to the Editor

Dear Mr Shali,
Thanks for sending me a copy of the news letter (June, 2015 issue of the Indian Engineer). It updated me with the various activities of almost all the engineering associations in India, their forthcoming events like seminar & exhibition on "Engineering Smart City" being organised by Consulting Engineers Association of India. I found the contents very informative and useful for all the practising engineers and my deep appreciation & compliments to you and your team.
Regards,

Vijay Ganju
President, Highway Division
Feedback Infra Private Limited
Gurgaon

Dear Mr. Shali,
We acknowledge with thanks the receipt of June 2015 issue of 'Indian Engineer'. Newsletter was very informative.
Thanks & regards,

Shashi Kant
Adviser, CCPS
Former Dy Adviser, Planning Commission

Dear Mr. Shali,
It's an (The Indian Engineer) wonderful effort.
Thanks,

S Dutta
Sect. IIM Bumpur Chapter

Dear Shali,
Thank you for the ECI's news letter. It is very nice and I thoroughly enjoyed reading it.

Col KS Chakravarthi (Retd)
Chairman (IP) IETE Chennai

Dear Mr. Shali,

It was good to see you in Kolkata. I have also noted that you have moved into a new office. As you know, since the end of last year, I have taken up a full-time position as the first Secretary General & Executive Head of the newly formed Indian Steel Association which has turned out to be quite high profile. Last week, I was interviewed by Rajya Sabha TV (RSTV), a public TV channel and it came on the air. I am also often quoted in the newspapers! Last month I headed a steel delegation to China and Japan. Recently a major steel industry magazine called Steel world published an interview with me. Many people told me they liked it. I have attached it here. You may take a look when you have some free time.

Dr. Sanak Mishra

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