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Volume 25

Number 11

32nd National Convention of Metallurgical & Materials Engineers, Jamshedpur

Advances in Engineering Materials for Sustainable Development

Jamshedpur Local Centre of the Institution organized the Thirty-second National Convention of Metallurgical & Materials Engineers and National Seminar on "Advances in Engineering Materials for Sustainable Development" during January 18-19, 2019 at Jamshedpur in association with Tata Steel and CSIR- National Metallurgical Laboratory (NML), Jamshedpur. The program was inaugurated by the Chief Guest, Mr T V Narendran, Global CEO & Managing Director, Tata Steel. While speaking on the occasion, Mr Narendran mentioned that the efficiency of a product or process needs to be ascertained from its efficiency point of view. He further stated that the production of better grade steel for sustainability with reduced footprint has been the focal point during the entire history of steel making. 'We need to look at the ecological point of view and predict the future outcomes to stay competitive and relevant' added by Mr Narendran. Mr K K Mehrotra, Chairman of Metallurgical & Materials Engineering Division Board (MMDB), IEI while presiding on the occasion, spoke in details about the activities of the Board. 'We need to close material loops, keep materials longer



in the value chain through re-use and remanufacturing, process materials in a resource efficient way and design out critical / toxic materials' added by Mr Mehrotra. He also stated that energy generation, transmission from renewable sources and energy storage are critically dependent on the availability / development of advanced materials with customized properties. Dr Indranil Chatteraj, Director, CSIR-NML, while speaking on the occasion mentioned that Metallurgical & Materials Science has to evolve in line with the requirements laid down by Industry 4.0. The prestigious 'V Subramony Memorial Lecture' was delivered by Prof Amol A Gokhale, Mechanical Engineering Department, IIT Bombay, Mumbai on the topic, 'Securing Strategic Materials: A Way Forward'. On this occasion, Prof T Venugopalan, Department of Metallurgical & Materials Engineering, IIT Madras, Chennai and Mr Pradipta K

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From the President's Desk.....

It is a great honour and privilege for me to assume office of the President of this great Institution and I look forward working with you to further enhance our services as IEI steps into its next Century.



With the advent of globalization of the economy and the competitive industrial environment, there is a requirement of highly educated, trained and specialized engineers in industry, government, R&D organizations, public as well as private sector to cope with challenges specially posed by disruptive technologies. In order to bridge the gap between the requirement and availability of highly specialized and trained manpower in emerging areas of technology, engineers require to constantly update their knowledge and competence at regular intervals. To address this issue, the Institution with its pan India presence has always been in the forefront in bringing in, nurturing and creating awareness about the latest technological developments in various engineering fields through a variety of activities organized by our Centres. I am sure that students and Corporate Members will avail of these opportunities for their professional growth.

In view of the tremendous growth in engineering projects over the last few decades aided by globalization, it has become imperative to regulate this profession in the overall interest of engineering. In line with this, Govt. of India has prepared a draft Professional Engineers Bill. The main purpose of this Bill is to regulate the engineering profession and seeks to enhance the professional standard of engineers in line with global standards. Being a full member of the International Professional Engineers Agreement (IPEA), The Institution of Engineers (India) represents India and has been empowered to establish

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Pollution Control, Cleaner Production and Chemical Security Program - Issues & Concerns

Gujarat State Centre of the Institution in association with Indian Institute of Chemical Engineers, Ahmedabad, Regional Centre of Gujarat Pollution Control, Gandhinagar and Department of Chemical Engineering, SAL College of Engineering organized All India Seminar on 'Pollution Control, Cleaner Production and Chemical Security Program - Issues & Concerns' under the aegis of Chemical Engineering Division Board, IEI during September 19-20, 2018 at Ahmedabad. Dr Jamin Vasa, President, Gujarat Chamber of Commerce and Industry graced the occasion as Chief Guest. Dr Vasa, in his address, spoke on the introduction to pollution control, cleaner production and chemical security. He discussed at length about the pollution that affect human life and environment. He further stressed upon the cleaner production and application of green chemistry for the benefit of people around the world by making the use of products safer and their manufacturing less polluting. Dr B R Naidu, Regional Manager – Engineering, Central Pollution Control Board, Vadodara, in his Keynote address spoke on 'Hazardous Waste – Rule No.9'. Dr Naidu further covered various topics like, Introduction to



Rule No.9, Schedules of Hazardous Waste, Roles & Responsibilities of Stakeholders, Waste Disposal Methods, Hazardous Waste Management etc. Mr N B Vasoya, Past President, IEI, in his presidential address explained how the human activities have contributed to the deterioration of environment and to the loss of natural resources. Dr Vimal Gandhi, Associate Professor, Department of Chemical Engineering, Dharmsinh Desai University, Nadiad shared his knowledge on 'Photo Catalytic Nano Materials for Environmental Application'. He discussed about TiO_2 and degradation of Aromatic Carboxylic Acid, Ag Doped TiO_2 , Titania Nano tubes, Deactivation and Registration of TiO_2 . Earlier, Prof H R Shah welcomed the august gathering and highlighted about the importance of the topic of the Seminar. Prof S R Shah, Committee Member of the Centre extended the vote of thanks at the end of the programme. A large number of technical papers embracing the theme were presented and discussed during various technical sessions of the Seminar.

Engineering Insight into Design and Testing of Aircraft Engine Components

Karnataka State Centre of the Institution in association with Acharya Institute of Technology, Bengaluru organized All India Seminar on 'Engineering Insight into Design and Testing of Aircraft Engine Components' under the aegis of Aerospace Engineering Division Board, IEI during September 18-19, 2018 at Bengaluru. The Seminar was inaugurated by the Chief Guest, Dr K Ramachandra, Former Director, Gas Turbine Research Establishment



(GTRE), DRDO. Dr Ramachandra, in his inaugural address discussed the challenges of design and testing of aero gas-turbine engine systems and their components in general and explained critical features of different variants of engines flying today. His views covered an evolution of engines in air, water, land and their design challenges. He also highlighted a few typical failure modes, critical design drivers, test objectives, test schedule and test facilities required to meet these diverse needs like, safety & life related certification tests. Dr N Chikkanna, Chairman of the Centre, in his address emphasized upon the importance of education in Aeronautical Engineering and significance to know the design of aero-engine components. Earlier, Dr Prakash M R, Principal, Acharya Institute of Technology welcomed the guests and dignitaries present on the occasion. Dr S K Maharana, Assistant Professor, Department of Aeronautical Engineering, Acharya Institute of Technology and Convener of the Seminar spoke on the significance of the theme. He also proposed the vote of thanks at the end of the function. A large number of technical papers embracing various sub-themes were presented and discussed by the eminent personalities during the technical sessions of the Seminar.

Recent Advancement in High Voltage Direct Current (HVDC) Transmission

Tripura State Centre of the Institution in association with National Institute of Technology Agartala (NITA) organized Thirty-fourth National Convention of Electrical Engineers and National Seminar on 'Recent Advancement in High Voltage Direct Current (HVDC) Transmission' under the aegis of Electrical Engineering Division Board, IEI during November 16-17, 2018 at Agartala.



The delegation from Institution of Engineers, Bangladesh, was present during the program. The Chief Guest of the function, Prof Kaptan Singh Solanki, Hon'ble Governor of Tripura, Agartala, in his address emphasized on the importance of energy in growth and development of technology. Hon'ble Governor invited Engineers of Bangladesh in collaborative ventures for beneficial of both the countries. Mr Jishnu Debbarma, Hon'ble Deputy Chief Minister, Govt. of Tripura graced the occasion as Guest-of-Honour. Hon'ble Mr Debbarma spoke about the power sector in the state of Tripura. Prof H K Sharma, Director, NITA was also present during the session as a Special Guest. Mr P Rajamani, the then Vice President, IEI emphasized on the importance of HVDC transmission. He further highlighted that HVDC is able to deliver electricity generated from mountain tops, deserts and seas across the long distances with low losses, where AC cables cannot be used because of the high losses. Mr R R Tanwar, Chairman, Electrical Engineering Division Board, IEI emphasized on the relevance on the theme of the National Convention as the demand for power and energy is increasing day by day with increasing the population and changing lifestyle in urban India. He stated that HVDC technologies can provide rapid stability control, power flow control and the ability to segment parts of the power system, which can enhance the grid's flexibility and reliability. Earlier, Mr Tapan Lodh,

Chairman of the Centre welcomed the august gathering. The prestigious 'M S Thacker Memorial Lecture' was delivered by Prof Sivaji Chakravorty, Director, National Institute of Technology Calicut (NITC), Kozhikode on the topic, 'State-of-the-Art Non-invasive Electrical Techniques for Transformer Insulation Monitoring'. The State-of-the-Art lectures were delivered by Prof

R K Pandey, Director, National Power Training Institute, Ministry of Power, Govt. of India, Faridabad on the topic, 'Multi-infeed HVDC Network Operation with UPFC'; Mr Satyajit Ganguly, Managing Director, ONGC- Tripura Power Company Ltd. on the topic, 'Renewable Energy Capacity Addition and Grid Balancing' and Dr Umma Hany, Associate Professor, Department of Electrical & Electronics Engineering, Bangladesh Army International University of Science & Technology on the topic, 'HVDC Transmission in Bangladesh: Present Scenario and Future Prospect'. On this occasion, Mr Subhash Chowdhury, Former Director & CEO, Tripura

Renewable Energy Development Agency, Agartala; Prof Sivaji Chakravorty, Director, NITC; Mr Satyajit Ganguly, Managing Director, ONGC Tripura Power Company Ltd. and Mr V K Singh, Director (Technical), North Eastern Electric Power Corporation Limited, Shillong were felicitated as Eminent Engineering Personalities for their contribution in the field of Electrical Engineering. The 'IEI Young Engineers Award' in Electrical Engineering Division for the year 2018-19 was presented to Dr Saurabh Mani Tripathi, Assistant Professor, Department of Electrical Engineering, Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh; Dr Kalpana Chauhan, Assistant Professor, Department of Electrical & Electronics Engineering, Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh and Dr S Rajasekar, Engineer- Technology Development, Power Grid Corporation of India Limited, Gurgaon, Haryana (in absentia). The Souvenir and a Technical Proceeding of the Convention were released by the Chief Guest and other dignitaries present on the dais. Earlier, Dr Priyanath Das, Head, Electrical Engineering Department, NITA and Convener of the Convention briefed about the programme before the audience. Mr T Bhattacharya, Honorary Secretary of the Centre proposed the vote of thanks. A larger number of resource papers embracing the theme of the Convention have been presented and discussed during the technical sessions.

Advances in Engineering Materials for Sustainable Development

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Sarangi, Director (Technical), MECON Limited (in absentia) were felicitated as Eminent Engineers for their eminence and contribution to the profession of Metallurgical & Materials Engineering. Dr (Ms) Swati Ghosh Acharyya, Assistant Professor, School of Engineering Services & Technology, University of Hyderabad, Telangana (in absentia) and Mr Ajay Kumar Choubey, Assistant Professor, Department of Mechanical Engineering, SIRT, Bhopal were awarded with IEI Young Engineers Award for their contribution

in Metallurgical & Materials Engineering Discipline. A Proceeding was also released by the Chief Guest and other dignitaries on dais during the inaugural function. Earlier, Mr Avneesh Gupta, Organising Chairman, welcomed the august gathering and informed that this year the Steel City would celebrate 100 years of its being christened as 'Jamshedpur'. Dr P N Chaudhary, Organizing Secretary, proposed the vote of thanks. An exhibition was arranged where the participants showcased their products / services / activities.

Machine Learning Algorithm for Bioinformatics Applications



Salem Local Centre of the Institution in association with Department of Computer Science and Engineering, Vidyaa Vikas College of Engineering & Technology (VVCET), Tiruchendogode, Tamilnadu, organized All India Seminar on 'Machine Learning Algorithm for Bioinformatics Applications'

under the aegis of Computer Engineering Division Board, IEI during September 26-27, 2018 at Tiruchendogode. Prof R Reka, Head, Department of Computer Science & Engineering, Annai Mathammal Sheela Engineering College Namakkal, graced the occasion as the Chief Guest. Dr Rekha, in her speech spoke on the basic machine learning algorithms and the text mining. She further clarified that bioinformatics deals with the computational and mathematical approaches for understanding and processing the biological data. Earlier, Dr K Pandian, Chairman of the Centre welcomed the august gathering and briefed about the activities of IEI. Dr K Samidurai, Principal, VVCET presided over the function. On this occasion, a Technical Souvenir was released by the Chief Guest and other dignitaries present on the dais. Mr S R Saravanan, Honorary Secretary of the Centre proposed the vote the thanks at the end of the function. A larger number of papers embracing the theme have been presented and discussed during the technical sessions of the Seminar.

Major Advances and Sustainable Developments in Lubrication Domain

Jamshedpur Local Centre of the Institution in association with Tata Steel, Jamshedpur and National Lubricating Grease Institute (NLGI) organized All India Seminar on 'Major Advances and Sustainable Developments in Lubrication Domain' under the aegis of Production Engineering Division



Board, IEI during September 13-14, 2018 at Jamshedpur. Mr Anand Sen, President, TQM, Tata Steel graced the occasion as Chief Guest. Mr Sen, in his address stressed upon the modified lubrication system and emphasized that lubrication system should be like lubrication in the human body joints.

Dr N K Pokhriyal, Treasurer, NLGI was present as Keynote Speaker and highlighted about the past, present and future of the lubrication domain. Other dignitaries graced the occasion included, Mr Arun Kumar Jha, Head, MED, Chairman, CCT on Lubrication, Mr Probal Ghosh, Chief, Mechanical Maintenance, Prof Shalendra Kumar, NIT Jamshedpur & Organizing Secretary of the event and Mr Avneesh Gupta, Chairman of the Centre. Resource persons from various organizations such as, Siddharth Grese & Lubes Pvt. Ltd., Gurgaon, Quaker Chemical Corporation, Jamshedpur, Balmer Lawrie & Co. Ltd., Hydac India Pvt. Ltd., Mumbai, EXXon Mobil, Gurgaon, Tata Steel, Jamshedpur, Raj Patro Specialities Pvt. Ltd., Chennai, Indian Oil Corporation Ltd., Jamshedpur Division, Department of Mechanical Engineering, IIT-ISM, Dhanbad, Birla Institute of Technology, Mesra, Ranchi presented papers on several sub themes.

IEI Celebrates Energy Conservation Day

The Institution of Engineers (India) celebrated Energy Conservation Day all over the country on December 14, 2018. Brief account of the celebration as received from various Centres are reported hereunder.

Local Centres

Belapur



Mr M B Dagaonkar, Council Member, IEI, graced the occasion as Chief Guest. Mr Dagaonkar, in his address highlighted the importance of energy conservation in national energy security. The Keynote Speaker, Mr Rajesh Deshpande,

Director, Energetic Consultant Pvt. Ltd., Thane, in his address explained the past and present status of energy conservation activity in the country. He further narrated about the impact of IoT in energy conservation projects. Earlier, Mr V C Kamble, Past Chairman of the Centre, in his welcome address elaborated the theme. Dr S C Nimkar, Honorary Secretary of the Centre proposed the vote of thanks.

Indore

The theme speaker, Dr Kiran Bala, Associate Professor, Department of Bio-sciences and Biomedical Engineering, Indian Institute of Technology Indore, in her address, emphasized on the potential of algae as a sustainable source for energy. She further explained that to meet the rapid growing energy demand, recently feedstock's for fuel production mainly algae gained much momentum and it is considered as a third-generation bio-fuel production. In his address, Dr Rakesh Saxena, Director, Shri Govindram Seksaria Institute of Technology and Science, Indore stressed on the utilization of alternate sources of energy like, solar and wind energy in the near future for industries. Earlier, Prof (Ms) Shilpa Tripathi welcomed the gathering. Dr Basant Agrawal, Convener of the event proposed the vote of thanks.

Kanyakumari

The Chief Guest on the occasion, Mr E David Jeba Singh, Superintending Engineer, Tamil Nadu Electricity Board while speaking on 'Energy Conservation', explained in details the possible ways of saving electricity that leads to energy saving. He further pointed out that the energy



conservation is the universal constraint for all in the world. The Special Guest, Mr M Mohan, Engineering Lead, Liwa Project, Sultanate of Oman, delivered a valuable common speech regarding

attitude of listening and functioning. On this occasion, Dr S Joseph Sekhar, Principal, St. Xaviers Catholic College of Engineering was also present. Earlier, welcome address was delivered by Ms A Arthi Jannie, IEI Faculty Advisor, St. Xaviers Catholic College of Engineering. Mr V Muthum Perumal, Honorary Secretary of the Centre proposed the vote of thanks.

Kolhapur

Mr Yogesh B Joshi, PCRA, Mumbai delivered speech on the topic 'Energy Audit – Thermal Engineering'. Mr Upendra Deuskar, Electrical Consultant, Kolhapur, speaking on 'Energy Audit in Electrical Utility', highlighted

regarding examination pattern to become energy auditor. He further spoke on various criteria in energy audit Mr Anil Joshi, Divivisional General Manager, MEDA, Kolhapur addressed on subject 'Energy Auditing Finance, ESCO, Subsidy'. Earlier, Dr P V Kadole, Chairman of the Centre and Director of DKTEs Textile & Engineering Institute, Ichalkaranji welcomed the august gathering. Other dignitaries present on this occasion included Dr Jaydeep Bagi, Director, DOT, Shivaji University, Kolhapur, Mr Shailendrakumar Rathor, Superintendent Engineer and Mr Sunil Mane, former Engineer, MSEDCL. Mr Manoj N Chavan, Honorary Secretary of the Centre proposed the vote of thanks.



Upper Assam

The Chief Guest, Mr Manik Saikia, General Manager-In-Charge (Engineering



& HSE), Indian Oil Corporation Ltd. – Assam Oil Division, Digboi, in his speech mentioned the role and objectives of Bureau of Energy Efficiency (BEE), Petroleum Conservation Research Association (PCRA), its history

and development in the past two decades. The Guest-of-Honour, Mr B P Bakshi, Chairman, Assam Productivity Council, in his address urged that less energy from non-renewable sources should be used. Earlier, Mr Ashit Kumar Baruah, Chairman of the Centre, in his welcome address mentioned that the engineers have a major and greater role to adopt best technology to save the energy. Mr Diganta Goswami, Honorary Secretary of the Centre extended the vote of thanks.

From the President's Desk.....

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the International Professional Engineers (IntPE) Register in the country. IEI also offers through well defined process, Professional Engineers (PE) Certification for establishing competency.

As a part of the Centenary Celebrations, we plan to conduct several special events and outreach programmes in addition to the regular activities conducted by our Centres. In this context, an International Conference on "Role of Agricultural Engineering towards Global Food Security" has been

scheduled to be held at Bangalore during April 11-13, 2019. I would like to invite stakeholders for active participation during the forthcoming World Water Day on the theme 'Leaving no one behind' scheduled to be held on March 22, 2019 at our State and Local Centres.

I invite suggestions from you towards further enhancing the services we provide to the engineering fraternity.

One Day Seminars/Workshops Conducted by Various Centres of IEI

STATE CENTRES

Gujarat

Gujarat State Centre of the Institution in collaboration with Water Management Forum of IEI organized One day Workshop on 'Efficient use of Water in Agriculture' under the aegis of Agricultural Engineering Division Board, IEI on December 19, 2018 at Ahmedabad. Mr N B Vasoya, Past President, IEI and



Mr M P Raval, Chairman, Water Management Forum graced the occasion as the Chief Guest and Guest-of-Honour respectively. On this occasion, Mr R B Maraviya, Director, Agriculture, Sardar Sarovar Narmada Nigam Ltd. (SSNL), Dr B S Deora,

Chief Scientist, Centre for Natural Resources Management, Sardar Patel Dantiwada Agriculture University, Dantiwada, Mr Jaydip J Makawana, Assistant Professor, Centre for Natural Resources Management, Sardar Patel Dantiwada Agriculture University, Dantiwada were also present.

Gujarat State Centre of the Institution in collaboration with Gujarat Institute of Civil Engineers & Architect (GICEA) organized

One day Seminar on 'Challenging Structures of Gujarat' under the aegis of Civil Engineering Division Board, IEI on December 28, 2018 at Ahmedabad. Mr V K Pandya, Chairman, Indian Concrete Institute, Ahmedabad Chapter & Zonal Head – TS (UltraTech Cement), Mr S S Rathore, Chairman, SSNNL & Past President, IEI, Mr S B Vasava, Secretary, R&B Department, Govt. of Gujarat & Council Member, IEI, Mr Bhargav Desai, President, GICEA and other important dignitaries graced the occasion.



Kerala

Kerala State Center of the Institution organized One day Workshop on



'Rejuvenation of the Habitat – Mitigation of Post Flood Scenario of Kerala in Agricultural Sector' under the aegis of Agricultural Engineering Division Board, IEI on November 21, 2018 at Thiruvananthapuram. The Seminar was inaugurated by Adv. V S Sunil Kumar,

Hon'ble Minister for Agriculture, Soil Survey & Soil Conservation. Mr Justin Mohan, IFS, Director, Soil Survey & Soil Conservation welcomed the gathering. On this occasion, Prof Sudheer K P from IIT Madras was present.

Manipur

Manipur State Centre of the Institution organized one day Seminar on 'Power Scenario in Manipur- Past, Present and Future' under the aegis



of Electrical Engineering Division Board of IEI on December 30, 2018 at Imphal, Manipur. Mr R K Dinesh Singh, Commissioner (Works & Power), Govt. of Manipur graced the occasion as the Chief Guest and addressed the gathering. Mr Th. Joykumar Singh, Former Chief Engineer, State PWD graced the occasion as the Guest-of-Honour and spoke on the occasion.

West Bengal

West Bengal State Centre of the Institution organized One day Workshop on 'Essentials of Sustainable Mining: Mitigation of Social and Environmental Impacts of Mining' under the aegis of Mining Engineering Division Board



(MNDB), IEI on November 17, 2018 at Kolkata. Prof S P Banerjee, Former Director-In-Charge, IIT-ISM Dhanbad graced the occasion as the Chief Guest and addressed the gathering. Other

dignitaries graced the occasion included Mr D V Pichamuthu, Chairman, MNDB, IEI and Mr R P Ritolia, Former Chairman & Managing Director, Central Coalfields Limited, Ranchi.

LOCAL CENTRES

Bareilly

Bareilly Local Centre of the Institution organized One day Workshop on 'Seismic Analysis, Design and Retrofitting of Multi-story Buildings' under the aegis of Civil Engineering Division Board, IEI on November 26, 2018 at Bareilly. Dr Rizwan Ahmed Khan, Department of Civil Engineering, Aligarh Muslim University, Aligarh delivered the Keynote Address on the theme. Mr Rahul Vemra, Mr Harshit Varshney, Mr Sameer Gupta from Rajshree Institute of Management & Technology, Bareilly graced the occasion as Resource persons during the technical sessions of the Workshop.



Kanchepuram

Kanchepuram Local Centre of the Institution organized One day Seminar on



'Industrial Robotics' under the aegis of Mechanical Engineering Division Board, IEI on October 17, 2018 at Kanchepuram. The basics of industrial robotics and various career opportunities

in the field of robotics have been discussed in this program.

Kanchepuram Local Centre of the Institution in collaboration with the Department of Chemical Engineering, Agni College of Technology organized One day Seminar on 'Applications of Nanomaterials in Chemical Engineering' under the aegis of Chemical Engineering Division Board, IEI on December 21, 2018 at Kanchepuram. Dignitaries present on the occasion included Dr Srinivasan Alavandar, Dean



(Academics), Agni College of Technology (ACT) & Honorary Secretary of the Centre, Dr R S Kumar, Principal, ACT, Dr K Sathish Kumar, Assistant Professor, Department of Chemical Engineering, SSN College of Engineering, Prof M Srividhya, Head, Department of Chemical Engineering, ACT.

Visakhapatnam



Visakhapatnam Local Centre of the Institution in association with RINL – Vizag Steel Plant, Visakhapatnam organized One day Workshop on ‘Maintenance of Submersible Pumps’ under the aegis of Mechanical Engineering

Division Board, IEI on November 27, 2018 at Visakhapatnam. Mr C Tirckey, Assistant General Manager (Training), RINL – Vizag Steel Plant graced the occasion as the Chief Guest and addressed the gathering.

Visakhapatnam Local Centre of the Institution in association with RINL – Vizag Steel Plant, Visakhapatnam organized One day Workshop on ‘Gas Safety in Steel Industry’ under the aegis of Mechanical Engineering



Division Board, IEI on December 27, 2018 Visakhapatnam. Mr K Anthony, Assistant General Manager (Training), RINL – Vizag Steel Plant graced the occasion as the Chief Guest and addressed the gathering.

Kanyakumari



Kanyakumari Local Centre of the Institution in association with IETE Professional Activity Centre, Nagercoil organized One day Seminar

on ‘Technology Integration for Future Automation and Create Awareness about the Present Employability’ under the aegis of Computer Engineering Division Board, IEI on January 12, 2019 at Kottar. Dr V Ananthanarayanan, Amrita School of Engineering, Coimbatore delivered the Keynote address on the theme.

Tirupati

Tirupati Local Centre of the Institution in association with the Department of Electrical & Electronics Engineering, S V University College of Engineering,



Tirupati organized One day Workshop on ‘Entrepreneurship in Electrical Engineering’ under the aegis of Electrical Engineering Division Board, IEI on October 24, 2018 at Tirupati. Mr R Vamsi Krishna, Chief Executive

Officer (CEO) and Managing Director, Skill Bank, Tirupati delivered the Keynote Address on the theme. Other special dignitaries graced the occasion included, Prof G V Marutheswr, Head, Department of Electrical & Electronics Engineering, Dr Ranganayakulu, CEO, Thrive Solar Energy Pvt. Ltd., Hyderabad and Dr Ratnaja Gogula, Indian School of Business, Hyderabad.

Tirupati Local Centre of the Institution jointly with the Department of Civil Engineering, S V University

College of Engineering (SVUCE), S V University, Tirupati organized National Workshop on ‘Advances in Retrofitting Methods and Materials of RC Structures’ under the aegis of Civil



Engineering Division Board, IEI on October 30, 2018 at Tirupati. Guest Speakers present on the occasion included, Prof G N Pradeep Kumar, Principal, SVUCE, Prof M Srimurali, Head, Department of Civil Engineering, SVUCE, Prof G Appa Rao, IIT Madras, Chennai and Prof D V Prasada Rao, SVUCE.

Machine Learning for Intelligent Image Processing

Tamilnadu State Centre of the Institution in association with the Department of Electronics & Communication Engineering, SRM Institute of Science and Technology (SRM IST), Chennai organized All India Workshop on ‘Machine Learning for Intelligent Image Processing’ under the aegis of Electronics & Telecommunication Engineering Division Board of IEI during September 28-29, 2018 at Chennai. Prof Suryakanth Gangashetty, International Institute of Information Technology, Hyderabad and Dr Asuthosh Kar, Assistant Professor, Department of Electronics & Communication Engineering, Indian Institute of Information Technology Design & Manufacturing Kancheepuram, graced the occasion as Guests-of-Honour. Dr Gangashetty, in his speech shared his experiences on machine learning algorithms in the field of signal processing. Dr Kar, in his Keynote address shared his experiences in working with Indian and Foreign Universities in developing various algorithms for real time applications. Dr

Sandeep Sancheti, Vice Chancellor, SRM IST, Chennai expressed the need of understanding the concept of machine learning. Dr Sancheti further highlighted the role of machine learning in recognizing the images like, face recognition, speaker recognition etc. Earlier, Dr S Dhanalakshmi, Associate Professor, Department of Electronics & Communication Engineering and Convener of the Workshop welcomed the august gathering. Mr R Ramdoss, Honorary Secretary of the Centre, in his address emphasized the importance of machine learning in the current technological era. Ms Latha, Assistant Professor and Member of Organizing Committee proposed the vote of thanks at the end of the programme.



News-in-Brief

The following is a brief account of Technical Activities organised by various Centres and Overseas Chapter of the Institution

STATE CENTRES

Haryana

- Lecture on 'Impact of Climate Change on Agriculture' delivered by Mr P S Bhogal, Council Member, IEI, on January 20, 2019.

Himachal Pradesh

- Lecture on 'Time Management for Professional Excellence' delivered by Dr S K Goel on November 14, 2018.

Karnataka

- Lecture on 'Water Supply Planning for Bengaluru' delivered by Captain S Raja Rao, former Secretary to Government of Karnataka, Department of Ecology and Environment on November 30, 2018.
- Lecture on 'Road Safety' delivered by Dr Anil Kumar Grampurohit, Inspector of Police, Traffic Planning, Bengaluru on December 14, 2018.
- Lecture on 'Lack of Proper Footpaths in Bengaluru' delivered by Ms Sapna Karim, Head, Civic Participation, Janagraha, Centre for Citizenship & Demography, Bengaluru on December 18, 2018.
- Lecture on 'Civic Awareness' delivered by Ms Kathyayini Chamaraj, Executive Trustee-CIVIC, Bengaluru, on December 26, 2018.

Kerala

- Lecture on 'Project Management Versus Contract Management' delivered by Mr N Hariharan, Freelance Trainer, Former Professor and Head, Department of Computer Science & Engineering, Former Head, Information Systems, Indian Oil Corporation Limited & Chairman, Indian Institution of Technical Arbitrators, Trivandrum Centre on November 7, 2018.
- Lecture on 'The Price of Electricity – A Consumer's Perspective' delivered by Mr J Sudhakaran Nair, Former Deputy Chief Engineer, Kerala State Electricity Board on November 14, 2018.
- Lecture on 'Complexities of Operating a Large Modern Ship' delivered by Mr S K Namboothiri on November 28, 2018.
- Lecture on 'Responsible Use of Technology' delivered by Dr M Sherif Aziz, Advisor (Strategic Planning) of MADAYN, The Industrial Parks Authority of Oman on December 19, 2018.
- Lecture on 'Optimum Parametric Analysis of Mechanical Oscillator for Pumping Application' delivered by Mr Rejin Balachandran and Mr Nandu A, Former Students, Department of Mechanical Engineering, Mar Baselios College of Engineering and Technology, Thiruvananthapuram on December 26, 2018.
- Lecture on 'Towards Better Public Roads in Kerala' delivered by Mr P A Prabhakaran, Retired Chief Engineer, ISRO and Advisor to Chairman, ISRO, Department of Space, Govt. of India on January 2, 2019.
- Lecture on 'Incorporating New technology Flameless Combustion Technique for Domestic Cooking Application' delivered by Mr Nirmal M S, Assistant Professor, Mar Baselios College of Engineering and Technology, Thiruvananthapuram on January 16, 2019.
- Lecture on 'Impact of Modern Technology on Quality of Human Life' delivered by Swami Bodhanadha Sarasvati, Sambodh Foundation India & The Sambodh Society Inc. USA on January 23, 2019.
- Lecture on 'Use your Roof top to Save Environment' delivered by Mr

J Sudhakaran Nair, Deputy Chief Engineer (Retd), KSEB on January 30, 2019.

Maharashtra

- Workshop on 'National Building Code of India & Revised Seismic Codes' during October 4-5, 2018.
- Lecture on 'Water, Environment and Climate Change' delivered by Dr Debashis Raha on December 29, 2018.

Telangana

- Er I Basava Raju Fourth Endowment Lecture on 'India Energy Independence – A Short Overview' delivered by Mr Attaluri Viswanath, Chief - Southern Region, M/s PTC India Limited on December 30, 2018.

Uttar Pradesh

- Lecture on 'Spiritual and Emotional Wellness for Professionals' delivered by Mr Chandra Shekhar Varma, a well known Corporate Trainer & Motivational Speaker on December 27, 2018.

West Bangal

- Seminar on 'Memoirs for Pioneering Chemical and Biochemical Industries by Acharya Jagadish Chandra Bose and Acharya Prafulla Chandra Roy' on January 12, 2019.

LOCAL CENTRES

Ahmednagar

- Lecture on 'Reliving the City's History, Ahmednagar' delivered by Mr Suchit Mutha on January 11, 2019.
- Lecture on 'Indian Automobile - Car Segment' Delivered by Mr Abhay Raje, Committee Member, Practicing Engineering Consultant and Advocate on January 29, 2019.
- Lecture on 'CNC Machines and Advanced Spindle Toolings' delivered by Mr Bharatbhushan Bhagwat, Director, Atul Enterprises and Past Honorary Secretary of the Centre on January 31, 2019.

Ananthapuram

- Lecture on 'Geographic Information System (GIS)' on November 20, 2018.
- Lecture on 'Technology Management' delivered by Dr N Kishorenath, Project Director, AGNI-4, DRDO Hyderabad on January 24, 2019.

Bhimavaram

- Celebrated 'World Habitat Day' on October 1, 2018.

Dhanbad

- Lecture on 'Rock Mechanics Approaches to Tackle the Emerging Challenges of Underground Extraction of Coal by Continuous Miner' delivered by Dr Prabhat Kumar Mandal, Senior Scientist & Head, Mine Design & Simulation Section, Mining Methods & Design Simulation Research Group, CSIR-CIMFR, Dhanbad on December 27, 2018.
- Lecture on 'Recent Development and Best Practices in Mine Ventilation and Underground Mine Fire Control' delivered by Dr Santosh Kumar Ray, Principal Scientist, CSIR-CIMFR, Dhanbad on January 29, 2019.

Durgapur

- Lecture on 'Emotional Intelligence' delivered by Mr Parasuram Shaw, Deputy General Manager (HRD), SAIL, Durgapur Steel Plant on December 30, 2018.
- Lecture on 'Road Safety' delivered by Mr A N Misra, Former Assistant General Manager (Safety), SAIL, Durgapur Steel Plant on January 26, 2019.

Gorakhpur

- Lecture on 'Waste Disposal – Problem and Remedies' delivered by Dr Govind Pandey, HOD, Civil Engineering Department, Madan Mohan Malviya University of Technology Gorakhpur on January 31, 2019.

'Industry-Academia Interface'

'Industry-Academia Interface' programme organized by The Institution of Engineers (India) and hosted by Durgapur Local Centre on December 15, 2018 at Durgapur Steel Plant, Centre for Human Resource Development, Durgapur. The theme of the program was "Imperatives of Engineering



Education: Enhancing Employability". The event was inaugurated by Mr Dilip Kumar Agasty, Hon'ble Mayor, Durgapur Municipal Corporation, Durgapur. On this occasion, Prof Anupam Basu, Director, National Institute of Technology (NIT), Durgapur, Mr S K Srivastava, Director, National Power Training Institute (ER), Durgapur and Prof Shorosimohan Dan, Former Vice Chancellor, University of Burdwan graced the function as Guests-of-Honour. Mr Sisir Kumar Banerjee, the then President of The Institution of Engineers (India) welcomed the august gathering and enlightened the essence of the interface programme in the current context of employability of engineering students. Maj Gen (Dr) S Bhattacharya, VSM (Retd.), Secretary and Director General of the Institution briefed about the theme of the program and highlighted the current needs of industry and institute interaction programme in the country. Prof Basu on this auspicious occasion

enlightened that academy should come forward to the Industry and they must work together so that weak points of academics may be rectified. Further, he also emphasized on the primary requirements of the industries should be inclined with the academic requirements and the linkages must be self-sustained. As a result Engineering Graduates and faculty members will be more employable and acceptable in the industry as opined by Prof Basu. Mr Srivastava focused on the connection of global economy in industry institute interaction. He also stated that the today's engineering education is moving towards on knowledge based system. Prof Dan highlighted the gap between research and industries and its partnership at the global platform. He also stated that the present education system is more outcomes based rather than output based education. The Chief Guest, Hon'ble Mayor of Durgapur Municipal Corporation highlighted that the Industry and Institute should have the proper co-operation and collaboration so that the bridging of industry and academics should be utilized for the societal development. Later on, Mr Agasty congratulated the Institution for organizing such type of event at Durgapur. Mr R K Roy, Chairman, Durgapur Local Centre of the Institution proposed the vote of thanks. On this occasion, two sessions on 'Strengthening Industry – Academy Linkages: Challenges and Way Forward' and 'Creating Models of Balanced Education Focused on Employability' were organized with the panel discussion. Mr S K Misra, Executive Director, Alloy Steels Plant, Durgapur and Prof Sudipto Sarkar, Director, NSHM Knowledge Campus, Durgapur were present as Moderators for two sessions. The Keynote addresses were delivered by Mr Goutam Chanda, Chief Engineer & Project Head, DVC and Prof C T Bhunia, Director General, Durgapur Institute of Advanced Technology and Management, Durgapur. During the panel discussions, Prof Nilotpal Banerjee, Department of Mechanical Engineering, NIT Durgapur, Dr Debashis Ghosh, Principal Scientist, CSIR-Central Mechanical Engineering Research Institute, Durgapur, Mr P P Roy, General Manager, Durgapur Projects Ltd., Durgapur, Prof A C Ganguly, Director, Bengal College of Engineering & Technology, Durgapur and Mr P Shaw, Deputy General Manager (HRD), SAIL- Durgapur Steel Plant were present and deliberated the gap between industry and academia. A large number of participants from the institutes, various industries and Corporate Members were present during the Interface Programme. At the end of the sessions, Maj Gen (Dr) S Bhattacharya, VSM (Retd.), Secretary & Director General of IEI summarized the entire event.

Gwalior

- Celebrated 'World Habitat Day' on October 1, 2018.
- Lecture on 'Interiors of Microcontroller and Microprocessor Architecture' and 'Iot & Overview' delivered by Prof K M Bhuruchandi, VNIT Nagpur on October 16, 2018.
- Lecture on 'Effective Use of Social Media' delivered by Mr P P Arya, former Deputy Director, Telecom on October 22, 2018.
- Lecture on 'Discovering the World through GIS' delivered by Mr Uday Rajhans on November 14, 2018.
- Lecture on 'Basics of Modern Telephone Connectivity' delivered by Mr V K Arya, former Deputy Director, DOT on November 25, 2018.
- Seminar on 'Industrial Safety Day: Bhopal Gas Tragedy' on December 3, 2018.
- Celebrated 'Energy Conservation Day' on December 14, 2018.

Kollam

- Workshop on 'Artificial Intelligence' on November 3, 2018.

Kota

- Lecture on 'Materials & Metallurgy for the benefit of Human Society' delivered by Mr P S Bagga, Director, Supreme Metallurgical Services Pvt Ltd., Indore on December 1, 2018.

- Lecture on 'Investors Awareness Programme for Engineers' delivered by Mr Nand Kishore Ratnu, Regional Head of Reliance Mutual Fund on January 7, 2019.

Mysore

- Lecture on 'Present Power Sector Scenario in India and its Issues and Challenges' delivered by Mr Srinivas Murthy D P, Assistant Executive Engineer, Karnataka Power Corporation Limited, Bangalore on November 13, 2018.
- Lecture on 'Global Engineering Industry Expectations- Mechanical & Aerospace' delivered by Mr Ashok Sanmani, Aerospace Engineering Professional on November 23, 2018.

North Bengal

- Lecture on 'Perspective of Graphene Research' delivered by Mr Alokesh Mondal, Assistant Professor, Department of ECE, Jalpaiguri Government Engineering College, Jalpaiguri on January 29, 2019.

Palghat

- Lecture on 'Impact of Flood on Buildings and Renovation' delivered by Mr D Ajith, Managing Partner of Habitat, Palakkad & Managing Director, Bhadram Properties India Pvt Ltd on November 29, 2018.
- Organized a Technical Session on the topic 'What is the Government's Smart City Mission? How and what makes a city SMART? How is India and Kerala getting SMARTER?' on January 12, 2019.

Contd. on page 12

IEI DIARY



Aerospace Engineering Division

Thirty-third National Convention of Aerospace Engineers on **“Emerging Technologies in Aerospace Structures, Materials and Propulsion System”**

Pune, November 15-16, 2019

The Honorary Secretary, IEI, Pune Local Centre, Abhiyanta Bhavan, 1332, J M Road, Shivajinagar, Pune 411005, Maharashtra [☎: 020-25533376 / 25520239 / 25530150; e-mail: punelc@ieindia.org]

Thirty-fourth National Convention of Aerospace Engineers on **“Advances in Aerospace Engineering”**

Kanpur, November 9-10, 2020
The Honorary Secretary, IEI, Kanpur Local Centre, Engineers Bhawan, HBTI East Campus, Nawabganj, Kanpur 208002 [Telefax: (0512) 2560034; e-mail: kanpurlc@ieindia.org]

Agricultural Engineering Division

International Conference on **“Role of Agricultural Engineering towards Global Food Security”**

Bangalore, April 11-13, 2019

The Honorary Secretary, IEI, Karnataka State Centre, 3, Dr B R Ambedkar Veedhi, Bangalore 560001 [☎: (080) 22264698; Telefax: (080) 22256191; e-mail: karnatakasc@ieindia.org; website: www.ieiksc.org]

Thirty-third National Convention of Agricultural Engineers on **“Commercial Crops Processing and Value Addition”**

Agartala, August 10-11, 2019

The Honorary Secretary, IEI, Tripura State Centre, Pandit Nehru Complex, Near Tripura Housing Board, P. O. Kunjaban, PB No 139, Agartala 799 006 [☎: 0381-2304700; Fax: 0381-2304700; e-mail: tripurasc@ieindia.org]

Architectural Engineering Division

International Conference on **“Architectural Innovations: Engineering, Technology and Materials”**

Kolkata, November 27-29, 2019

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieindia.org]

Chemical Engineering Division

Thirty-fifth National Convention of Chemical Engineers on **“The Food-Energy-Water (FEW) Nexus- Challenges for Chemical Engineers”**

Guwahati, September 06-07, 2019

The Honorary Secretary, IEI, Assam State Centre, Panbazar Overbridge, East Lane, Guwahati 781001 [☎: 0361-2548742; Fax: (0361) 2630368; e-mail: assamsc@ieindia.org; website: ieiasc.org]

Civil Engineering Division

All India Seminar on **“New Innovative Technologies in Civil Engineering”**

Goa, March 15-16, 2019

The Honorary Secretary, IEI, Goa State Centre, D Type Quarters, D-8-1, Government Polytechnic Campus, Altinho, Panaji, Goa 403001 [☎: 0832-2434686; e-mail: goasc@india.org, website: www.ieigoasc.org]

All India Seminar on **“Sustainable Approach for Utilizing Industrial Wastes in Concrete Construction”**

Salem, April 26-17, 2019

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan No. 104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004 [☎: 0427 2332544; e-mail: salemc@ieindia.org]

All India Seminar on **“Sustainable Solutions for Road Safety”**

Lucknow, May 04-05, 2019

The Honorary Secretary, IEI, Uttar Pradesh State Centre, Engineers' Bhawan, River Bank Colony, Lucknow 226018 {Telefax: (0522) 2526322; e-mail: upsc@ieindia.org; website: www.ieiup.org.in}

Computer Engineering Division

One Day Workshop on **“Blockchain and Cryptocurrencies”**

Kanchepuram, March 13, 2019

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology - ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchepuramc@ieindia.org]

National Conference on **“Data Protection and Privacy”**

Salem, March 24-25, 2019

The Honorary Secretary, IEI, Salem Local Centre, 3rd Floor, SPC Bhawan No. 104/7, Manivannan Street, Opp to Salem New Bus Stand, Salem 636004 [Ph. 0427 2332544; e-mail: salemc@ieindia.org]

All India Seminar on **“Cyber Physical Systems For Digital India and Sustainable Development”**

Dehradun, March 28-29, 2019

The Honorary Secretary, IEI, Uttarakhand State Centre, P.O. Clement Town, Delhi-Saharanpur Road, Near ISBT Flyover, Dehradun, 248002 [Telefax: (0135) 2641190; Mobile: 9412056431; e-mail: uttarakhandsc@ieindia.org; website: www.ieiuksc.org]

Electrical Engineering Division

All India Seminar on **“Electric Vehicles : Prospects and Challenges”**

Dharwad, March 01-02, 2019

The Honorary, Secretary, IEI, Dharwad Local Centre, Balekundry Bhavan, Sir M Visvesvaraya Road, D C Compound, Dharwad 580001 [☎: 0836-2742979; e-mail: dharwadlc@ieindia.org]

All India Workshop on **“Design of Micro Grid and Grid Integration Issues of Distributed Generation”**

Tiruchirapalli, March 6-7, 2019

The Honorary Secretary, IEI, Tiruchirapalli Local Centre, BHEL Main Office Road, Tiruchirapalli 620014 [☎: 0431-255 4285; Fax : 0431-2520383 / 2520775; e-mail: tiruchirapallilc@ieindia.org]

One Day Workshop on **“Power Generation & Distribution System in Steel Industry”**

Visakhapatnam, March 12, 2019

The Honorary Secretary, IEI, Visakhapatnam Local Centre, 9-12-31/1, Beside A U Engineering Girls Hostel, Visakhapatnam 530003 [☎: 0891-2747460; e-mail: visakhapatnamc@ieindia.org; website: ieivisakhapatnam.org]

One Day Seminar on **“Provision of SCADA in Transmission and Distribution”**

Kanchepuram, March 17, 2019

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology - ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchepuramc@ieindia.org]

All India Workshop on **“Design of Solar Photo Voltaic (PV) Power System for Rural Applications”**

Kanchepuram, March 28-29, 2019

The Honorary Secretary, IEI, Kanchepuram Local Centre, Agni College of Technology - ACT, Old Mahabalipuram Road, Thalambur, Chennai 600130 [e-mail: kanchepuramc@ieindia.org]

One Day Seminar on **“Power Electronics Technology Adopted for Drives and Electrical System Design”**

Durgapur, March 30, 2019

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, 'B' Zone, Durgapur 713205 [Telefax: 0343-2564770; e-mail: durgapurc@ieindia.org; web: ieidurgapurc.org]

Electronics & Telecom. Engg. Division

One Day Workshop on **“IoT applications using Raspberry Pi”**

South Gujarat, March 15, 2019

The Honorary Secretary, IEI, South Gujarat Local Centre, Mahida Bhavan, Ichchhanath, Surat 395007 [☎: (0261) 2227340, e-mail: sglc@ieindia.org]

One Day Workshop on **“Microwave and Millimeter Wave Communication Technology”**

Bareilly, March 30, 2019
The Honorary Secretary, IEI, Bareilly Local Centre, House No. 270, Camphor Estate, Rampur Road, Post - Clutterbuck Ganj (C.B. Ganj), Bareilly 243502 [e-mail: bareillylc@ieindia.org]



All India Seminar on “**Knowledge Breaks in Environmental Health and Safety for Sustainable Progress of Nano-Industries**”

Coimbatore, April 5-6, 2019

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG College of Technology Campus, Peelamedu, Coimbatore 641004, [☎: 0422-2580733; e-mail: coimbatorelc@ieindia.org]

Thirty-fifth National Convention of Electronics & Telecommunication Engineers on “**Mechatronics: Bridge between Technologies**”

Pune, November 23-24, 2019

The Honorary Secretary, IEI, Pune Local Centre, Abhiyanta Bhavan, 1332, J M Road, Shivajinagar, Pune 411005, Maharashtra [☎: 020-25533376 / 25520239 / 25530150; e-mail: punelc@ieindia.org]

Environmental Engineering Division

All India Seminar on “**Sanitation, Water and Management**”

Hyderabad, March 19-20, 2019

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad 500004 [☎: 040-23314969; e-mail: telanganasc@ieindia.org; website:ieitsc.org]

One Day Workshop on “**e-waste Management**”

Bokaro Steel City, March 31, 2019

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhawan, Sector V-A, Bokaro Steel City 827006 [☎: 06542-267227/288972; e-mail: bokarolc@ieindia.org]

Thirty-fifth National Convention of Environmental Engineers on “**Green Technology for Clean & Green India**”

Bangalore, August 17-18, 2019

The Honorary Secretary, IEI, Karnataka State Centre, No. 3, Dr. B R Ambedkar Veedhi, Bangalore 560001 [☎: 080-22264698; Telefax: 080-22256191; e-mail: karnatakasc@ieindia.org; www.ieiksc.org]

All India Seminar on “**Solid Waste Management: An Industrial Perspective**”

Bokaro Steel City, September 21-22, 2019

The Honorary Secretary, IEI, Bokaro Steel City Local Centre, Abhiyanta Bhawan, Sector V-A, Bokaro Steel City 827006 [☎: 06542-267227/288972; e-mail: bokarolc@ieindia.org]

International Conference on “**Influx of Environmental Problems and Sustainable Living**”

Hyderabad, November 22-24, 2019

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad 500004 [☎: 040-23314969; e-mail: telanganasc@ieindia.org; website:ieitsc.org]

Marine Engineering Division

All India Seminar on “**Development of Small and Medium Ports across the Coast, for harnessing the Logistics, Transport and Economy**”

Hyderabad, March 28-29, 2019

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad 500004 [☎: 040-23314969; e-mail: telanganasc@ieindia.org; website:ieitsc.org]

Mechanical Engineering Division

All India Seminar on “**Advancements of Materials in Automobile Industry**”

Coimbatore, March 28-29, 2019

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG College of Technology Campus, Peelamedu, Coimbatore 641004, Ph: 0422-2580733 [e-mail: coimbatorelc@ieindia.org]

All India Workshop on “**Advanced Materials and their Machining**”

Mohali, April 09-10, 2019

The Honorary Secretary, IEI, Punjab & Chandigarh State Centre, IEI, Madhya Marg, Sector 19-A, Chandigarh 160019 [☎: (0172) 2775418; Fax: (0172) 2540133; e-mail: pcsc@ieindia.org]

Thirty-fifth National Convention of Mechanical Engineers, on “**Trends and Developments in Automotive Industry**”

Hosur, September 13-14, 2019

The Honorary Secretary, IEI, Hosur Local Centre, No.69, Kamaraj Nagar, Kumudepall, Near Adhiyamaan College of Engineering, Tamilnadu, Hosur 635109 [e-mail: hosurlc@ieindia.org]

Thirty-sixth National Convention of Mechanical Engineers, on “**Innovations in Thermal Science and Engineering**”

Agartala, September 05-06, 2020

The Honorary Secretary, IEI, Tripura State Centre, Pandit Nehru Complex, Near Tripura Housing Board, P. O. Kunjaban, PB No 139, Agartala 799 006 [☎: 0381-2304700; Fax: 0381-2304700; e-mail: tripurasc@ieindia.org]

Mining Engineering Division

All India Workshop on “**Principles and Practices Coal Bed Methane and other Unconventional Gases**”

Durgapur, March 25-27, 2019

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, 'B' Zone, Durgapur 713205 [Telefax: 0343-2564770; e-mail: durgapurlc@ieindia.org; web: ieidurgapurlc.org]

Metallurgical & Materials Engg. Division

International Conference of Metallurgical & Materials Engineers on “**Synthesis, Characterization and Application of Nanomaterials (SCAN)**”

Kolkata, November 01-03, 2019

The Honorary Secretary, IEI, West Bengal State Centre, 8 Gokhale Road, Kolkata 700020 [☎: (033)22238914; Fax: (033) 22233140; e-mail: wbsc@ieindia.org]

Production Engineering Division

Thirty-fifth National Convention of Production Engineers on “**Emerging Technologies in Power Sector Equipment Manufacturing**”

Tiruchirappalli, May 25-26, 2019

The Honorary Secretary, IEI, Tiruchirappalli Local Centre, BHEL Main Office Road, Tiruchirappalli 620014 [☎: 0431-2554285; Fax: 0431-2520383/2520775; e-mail: tiruchirappallilc@ieindia.org]

Interdisciplinary

One Day Seminar on “**Scope & Applicability of Science in Engineering Fields and It's Connection to Environmental Issues**”

Rajbandh, March 16, 2019

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, 'B' Zone, Durgapur 713205 [Telefax : 0343 2564770; e-mail: durgapurlc@ieindia.org; website.www.ieidurgapurlc.org]

All India Seminar on “**Impact of Recent Policies on Mineral Industries**”

Hyderabad, March 15-16, 2019

The Honorary Secretary, IEI, Telangana State Centre, Visvesvaraya Bhavan, Khairatabad, Hyderabad 500004 [☎: 040-23314969; e-mail: telanganasc@ieindia.org; website: www.ieitsc.org]

One Day Workshop on “**Technical Writing**”

Belapur, March 16, 2019

The Honorary Secretary, IEI, Belapur Local Centre, Plot No. 106, Sector 15, CBD-Belapur, Navi Mumbai 400614 [☎: (022) 27579935; e-mail: belapurlc@ieindia.org; website: www.ieibelapur.org]

One Day Seminar on “**Wearable and Implantable Body Sensor Network**”

Coimbatore, March 16, 2019

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG College of Technology Campus, Peelamedu, Coimbatore 641004, [☎: 0422-2580733; e-mail: coimbatorelc@ieindia.org]

All India Seminar on “**Cyber Law and Legal Status of Software Engineering and Digital Forensic**”

Berhampur, March 30-31, 2019

The Honorary Secretary, IEI, Berhampur Local Centre, O/o The Executive Engineer, Quality Control Division, Courtpetta, Dist Ganjam Berhampur 760004 [e-mail: berhampurlc@ieindia.org]

Obituary

Prabhakar Ramchandra Bapat, one of the illustrious Past Presidents of The Institution of Engineers (India) and a distinguished & acknowledged authority in the field of Electrical Engineering, has left for his heavenly abode on January 23, 2019. Born on June 12, 1935, Mr Bapat obtained Bachelors Degree in Electrical Engineering with First position from University of Bombay in 1957 and Post-Graduate Diploma in Industrial Management with First position in the year 1966 from University of Bombay. He started his career as Technical Assistant in Bombay State Electricity Board from May 1957. In the year 1958, he joined Dodsall Pvt. Ltd., Bombay as Assistant Engineer. Then he started his career as Laboratory Engineer in GKW Ltd. (formerly Guest Keen Williams Limited), PP Division, Bombay in 1960 and became Divisional Technical Director. Under his leadership, various strategic planning, research & development, automation, long term technological progress were introduced at three places of GKW in Bombay, Calcutta and Bangalore. He was the only GKW Executive deputed to work with Guest, Keen, Nettlefolds Ltd. (GKN), UK under the scheme of exchange of Executives between GKW and GKN. Mr Bapat joined the Institution as



Associate Member in 1964 and became Fellow in 1974. He served the Institution in various capacities, such as, Council Member; Chairman and other important capacities. Mr Bapat was President of The Institution of Engineers (India) for the Session 1989-1990.

News-in-Brief

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Ranipet

- Organized Industrial Visit to 'L&T Ship Building, Kattuppalli, Chennai' on January 1, 2019.
- Lecture on 'Welding of Dissimilar Metals' delivered by Dr M Velu, Associate Professor, VIT University, Vellore on January 29, 2019.

Rourkela

- Organized Technical Paper Meeting on 'Smart Cities in Indian Context' on January 11, 2019.

Saurashtra

- Workshop on 'Automotive Electronics with Node MCU Enhanced using IoT' on December 29, 2018.

Silchar

- Lecture on 'Industrial Automation' delivered by Mr Prasanta Roy, Assistant Professor, NIT Silchar on December 22, 2018.

Trichur

- Lecture on 'Can we use our reservoirs more effectively for flood control' delivered by Mr V Jayadevan on January 20, 2019.

Varanasi

- Celebrated 'World Habitat Day' on October 1, 2018.
- Organized National Conference on 'Emerging Trends in Science, Technology and Management' during November 2-3, 2018.
- Lecture on 'Maintenance of Equipment in Cryogenic Process' on December 28, 2018.

Superannuation from IEI



Mr Karuparty Nageswara Rao, an employee of Telangana State Centre of the Institution will be superannuated from the services of IEI on February 28, 2019. He joined the Institution on September 30, 2017 and rendered his services to the Institution for a period of over 1 year.

IEI wishes Mr Karuparty Nageswara Rao and his family a happy and healthy life in future.

IVRS at IEI HQ

For General Enquiry,
please dial IVRS No. (033) 4015 5400

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The Institution of Engineers (India) as a body accepts no responsibility for the statements made by individuals. Reprints of any portion of the publication may be made provided reference thereto is quoted.

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