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Number 9

30th National Convention of Mining Engineers, Hosur

Trends and Developments in Mining Industry for Encouraging Development

Hosur Local Centre of the Institution organized 30th National Convention of Mining Engineers and National Seminar on 'Trends and Developments in Mining Industry for Encouraging Development' under the aegis of Mining Engineering Division of IEI during December 7-8, 2018 at Hosur. The program was inaugurated by the Chief Guest, Mr T M Gunaraja, President-

organized by IEI. He exhorted the student community to try and get maximum out of the activities organized by IEI and requested them to visit the mining industries of the state as well as those situated outside the state to understand



Elect, IEI. While speaking on the occasion, Mr Gunaraja expressed his happiness to be a part of the proceedings and informed the gathering about the background of National Conventions

their impediments and at the same time develop an understanding of the mining scenario. He further informed that their association with professional bodies like IEI, which will be celebrating its centenary year in 2020, can enhance their domain expertise and make them more employable. Mr D V Pichamuthu, Chairman of Mining Engineering Division Board (MNDB), IEI, in his speech mentioned that the geological landscape of India bear resemblance with that of Australia and South Africa as earlier they all used to be part of the same landform which is prone to tectonic movements. He also spoke about the constitution of National Metal Exploration Trust which has been entrusted with the responsibility to extract, explore, beneficiate and refine deep-seated minerals and would be responsible for policy framework as

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'Industry – Academia Interface'

'Imperatives of Engineering Education: Enhancing Employability'

'Industry-Academia Interface' Programme was organised by the Institution on December 2, 2018 at the Conference Centre of IIT Guwahati. Hon'ble Governor of Meghalaya, Shri Tathagata Roy graced the occasion as Chief Guest; Prof Gautam Biswas, Director of IIT Guwahati was the Guest of

Honour and Mr Sanjive Roy, General Manager, North East Frontier Railway was the Special Guest of the function. The welcome address was delivered by Mr Sisir Kumar Banerjee, President of The Institution of Engineers (India). He highlighted on creating an ecosystem of learning, which will contribute to the continuous professional development during the entire spectrum of professional career of an engineer. Further Mr Banerjee stated that IEI has planned to engage with the engineering students by way of digital learning and idea generation through the schemes, such as Ideathon or online mentoring system by the experts. Entrepreneurship and innovation are the keys to future development and it is in these areas where cross border collaborations and synergy would be most beneficial as stated by Mr Banerjee. Mr T M Gunaraja, President-Elect of IEI also graced the occasion and highlighted the landmark initiative taken by IEI in the present scenario of employability of engineering graduates. Earlier, Maj Gen (Dr) S Bhattacharya, VSM (Retd.), Secretary & Director General of IEI elaborated the background of the theme. During the inaugural speech, Hon'ble Governor

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Intelligent Telecommunication Networks for Sustainable Growth

Punjab & Chandigarh State Centre of the Institution in association with Baba Banda Singh Bahadur Engineering College (BBSBEC), Fatehgarh Sahib organized 34th National Convention of Electronics & Telecommunication Engineers and National Seminar on 'Intelligent Telecommunication Networks for Sustainable Growth' under the aegis of Electronics & Telecommunication Engineering Division of IEI during October 21-22, 2018 at Chennai. Mr Janak Raj Garg, Chairman, Punjab & Chandigarh State Centre welcomed the august gathering. The Chief Guest, Mr Pritam Singh, Secretary, National Commissioner of SC, ST, Govt. of India, in his inaugural

expansion. The telecom services have enhanced from voice and text services to audio, video, real time gaming and sensing applications through various technological changes from magneto to stronger and cross bar technology, digital TDM based switching to asynchronous transfer mode to multi-protocol label switching and now to ITN, added by Maj Gen Lamba. The inaugural session was presided over by Mr S C Rudra, Member, ETDB, IEI. Mr Rudra elaborated on revolution of telecommunication system, smart technologies, cyber ethics and challenges in digital system. He spoke about the glorious heritage and tradition of the Institution. On this occasion, Prof T S Kamal, Member, ETDB and Convener of the Convention briefed about the theme and different network technologies, optical fibre, self-learning hardwares etc used in recent times. The prestigious "Prof S K Mitra Memorial Lecture" was delivered by Prof Amar Pratap Singh, Sant Longowal Institute of Engineering & Technology, Sangrur and the State-of-Art lecture was delivered by Dr Labh Singh, Former Advisor to Department

of Telecommunication, Ministry of Communications, Govt. of India. On this occasion, Dr M P Gupta, Former Director, Technical Education, Haryana and Uttaranchal, Prof Ajay Sharma, Vice-Chancellor, Prof I K Gujral, Punjab Technical University, Jalandhar, Prof Renu Vig, Former Director, University Institute of Engineering & Technology, Chandigarh were felicitated as Eminent Engineering Personalities for their contribution in the field of Electronics and Telecommunication Engineering. The IEI Young Engineers Award in Electronics and Telecommunication Engineering for the year 2018-

19 was presented to Dr Satyasai Jagannath Nanda, Assistant Professor, Department of Electronics & Telecommunication Engineering, Malaviya National Institute of Technology, Jaipur, Rajasthan and Ms Sudha M, Assistant Professor, Department of Electronics & Communication Engineering, Paavai Engineering College, Namakkal, Tamilnadu (in absentia). Mr Sukhvir Singh Mundi, Honorary Secretary, Punjab & Chandigarh State Centre extended the vote of thanks. A large number of papers embracing the theme of the Convention have been presented and discussed during the technical sessions.

address discussed about the recent advancements in Electronics and Telecomm Industry which are aimed at enhancing the standard of life. 'The intelligent telecommunication networks are the basic need of conversion of cities to smarter cities, which require innovation in planning, management, and operations', he added. Mr Singh also highlighted about the creation of smart city for addressing the urbanization. The Guest-of-Honour, Maj Gen G S Lamba, VSM (Retd.), Principal, BBSBEC, Fatehgarh Sahib, described how frequent changes occurred in the telecom sector, which has boundary-less

'Imperatives of Engineering Education: Enhancing Employability'

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of Meghalaya highlighted that the proper investigation into every engineering failure is very much required for the development. He further stressed that this development is possible through proper collaboration of academia and industry. In this context, Shri Roy also cited some of the recent incidents of engineering failure occurred at various places in the country. Further, he also focused that the legal identification of practicing engineers in the country has become essential like the other professions of practicing Physicians, Chartered Accountants, Architects, etc. In this connection, he urged IEI to work out this issue for moving forward an Engineers Bill in the near future. The industry should work together with R&D organisations in the current context of modern industrialisation as stated by Shri Roy. Hon'ble Governor also highlighted that the restructuring of academic curriculum at par with the industry has become essential in the current context of educational system. During the function, Prof Biswas focused on the history of engineering & technology since inception of civilization and also stated on various scientific issues for the societal development. He also elaborated the linkage between scientific theory and its application in the field of engineering and technology. Further, Prof Biswas explained how fourth industrial revolution happened over the last few centuries and also highlighted the synchronisation of cyber space and modern manufacturing methodologies. He also emphasized on research activities in the industry, proper internship programme for engineering graduates, so that they can get well acquainted with the industry. On this occasion, Mr Sanjive Roy stated that there is a need of transformation in engineering education at

par with the industry needs so that the skilled engineers can be produced for greater interest of the country. At the end of the inaugural programme, vote of thanks was given by Prof S K Kakoty, Chairman of Assam State Centre of the institution. In post inaugural function, two sessions have been conducted on the sub-themes, namely, 'Strengthening Industry-Academy Linkage: Challenges and Way Forward' and 'Creating Models of Balanced Education Focused on Employability' respectively. In the first session, Mr K N Hazarika, former Chairman and Managing Director, North Eastern Development Finance Corporation Ltd. was the moderator, Prof Kaustubha Mohanty, Department of Chemical Engineering of IIT Guwahati delivered the keynote address. In the first session, Prof Sudip Kumar Deb, Department of Mechanical Engineering, Assam Engineering College and Mr Arup Laskar, Deputy General Manager-in-Charge, Indian Oil Corporation Ltd., Guwahati were present as Panellist for discussion on the theme. In the second session, Prof Mohammad Jawed, Department of Civil Engineering, IIT Guwahati was the moderator and the Keynote address was delivered by Mr Kajal Saikia, General Manager (HRD) of Numaligarh Refinery Ltd., Guwahati. In this session, Mr Dilip Sharma, former Executive Director, Power Grid Corporation of India and Dr A K Barua, Immediate Past Chairman of Assam State Centre of IEI were present as Panellists for the discussion on the theme. A large number of participants from the institutes, various industries and corporate members were present during the Interface Programme. At the end of the Interactive Session, Maj Gen (Dr) S Bhattacharya, VSM (Retd.), Secretary & Director General of IEI summarised the entire event.

Bio-degradable Materials and Bio-technology for Environmental Protection in Chemical and Pharmaceutical Industries

Tamilnadu State Centre of the Institution organized 34th National Convention of Chemical Engineers and National Seminar on 'Bio- degradable Materials and Bio-technology for Environmental Protection in Chemical and Pharmaceutical Industries' under the aegis of Chemical Engineering Division of IEI during October 26-27, 2018 at Chennai. Mr K Pandiarajan, Hon'ble

was delivered by Padmashree M Chandradathan, Scientific Adviser to the Chief Minister of Kerala. The State-of-the-Art Lecture was delivered by Mr Stefan Barot, Asia Senior Business Director, Total Corbion, Netherland. On this auspicious occasion, Guest Lectures were delivered by Prof Hadas Mamane, Tel Aviv University, Israel and Mr Lloyd Lowe, Country Head,

BASF India Ltd. Earlier, Dr G Ranganath, Chairman of the Centre welcomed the august gathering. Mr P P Agarwal, Chairman, Chemical Engineering Division Board, IEI chaired the session. Dr V Manivasagan, Convener delivered on the theme of the Convention. Mr P Rajamani, Vice President of IEI also addressed the gathering. Mr T M Gunaraja, President – Elect, IEI also graced the function with his august presence and expressed his gratitude and shared his views about IEI during the Convention. On this occasion, three Eminent Engineers namely, Mr Rajiv Mittal, Managing Director & Group CEO, VA Tech Wabag Limited, Mr S Ilanahai, Managing Director, Cetex Petrochemicals Ltd. and Prof R Nagarajan, Department of Chemical Engineering, IIT Madras were felicitated for their outstanding contribution in the field of Chemical Engineering. IEI Young Engineer Awards for the

year, 2018-19 were awarded to Dr Satya Eswari Jujjavarapu, Assistant Professor, Department of Biotechnology, NIT Raipur, Dr Sankar Chakma, Assistant Professor, Department of Chemical Engineering, Indian Institute of Science Education & Research, Bhopal and Dr Ravi Kumar Arun, Scientist, Microsystems Technology Lab, CSIR- Central Mechanical Engineering Research Institute, Durgapur. Mr R Ramdoss, Honorary Secretary of the Centre proposed the vote of thanks. A number resource papers embracing the theme were presented and discussed during the technical sessions of the Convention.

Minister of Tamil Official Language, Culture and Archaeology, Govt. of Tamilnadu graced the occasion as Chief Guest and addressed the gathering. Mr Pandiarajan informed the gathering that the IEI has to take lead role at a very crucial stage in course of the evolution of engineering as a profession in the country at large where the very professional nature of engineering is under scanner. Mr Rajiv Mittal, Managing Director & Group CEO, VA Tech Wabag Limited graced the function as Guest-of-Honour and addressed the gathering. The prestigious 'Acharya Prafulla Chandra Ray Memorial Lecture'



Trends and Developments in Mining Industry for Encouraging Development

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well. He mentioned that MMDR is a recursive legislation which needs to be scrapped and there is a need to fall back on the old legislation with some modification. 'Our country stands 97th amongst 104 countries considered for a survey to determine the 'ease of doing businesses' and we cannot think of 'Make in India' without promoting 'Mining in India', Mr Pichamuthu added. Dr G Ranganath, Immediate Past Chairman of Tamilnadu State Centre, IEI during his special address, mentioned that miners are entitled to fair policies but at the same time they must not think of making profit only. 'Mining based on need and not on greed should be adhered to while paying special attention to pollution and environmental sustainability', added Dr Ranganath. The prestigious Prof S K Bose Memorial Lecture was delivered by Dr Amalendu Sinha, Former Director, CSIR-CIMFR, Dhanbad on the topic 'Importance of Geotechnical Engineering in Mining Operations'. While delivering the lecture, Dr Sinha spoke about the need for sound geotechnical

engineering knowledge for assessing the ground condition to address the hazardous and complex nature of underground and open-pit mining. A State-of-the-Art lecture was delivered by Prof V R Sastry, NIT Karnataka on the theme 'State of the Art Blasting Technology for Improving Profitability of the Mining Projects'. On this occasion, Mr K K Biran, Director, Thriveni Earth Movers (P) Ltd, Chennai & Mr L K Bose, Former Executive Director, Coal India Limited were felicitated as Eminent Engineers for their eminence and contribution to the profession of Mining Engineering. The host Centre also felicitated Mr Hemant Kumar, Executive Director (Mines), NLC India Limited for his contribution in Mining. Mr Pritam Biswas, Assistant Manager (Mining), Planning & Design, Central Mine Planning and Design Institute (CMPDI), Bhubaneswar was awarded with IEI Young Engineers Award for his contribution in Mining Engineering Discipline. Earlier, Prof J Arivudai Nambi, Chairman of the host Centre welcomed the august gathering and Mr N Senthilkumar, Convener, spoke on the theme of the Seminar. Prof V Mani Vasagam, Honorary Secretary of the Hosur Local Centre proposed the vote of thanks at the end of the inaugural session.

Advances in Aerospace Sciences and Technologies

Jharkhand State Centre of the Institution in association with Birla Institute of Technology, Ranchi organized 32nd National Convention of Aerospace Engineers and National Seminar on the theme 'Advances in Aerospace Sciences and Technologies' under the aegis of Aerospace Engineering Division of IEI during October 27-28, 2018 at Ranchi. The Chief Guest, Mr S Somanath, Director, ISRO-Vikram Sarabhai Space



Centre, Thiruvananthapuram, during his inaugural address emphasized on development of reusable launch vehicle technologies and commercial aerospace environment and lucidly explained different aspects of rocket science and technologies. He further mentioned that start up eco systems in aerospace sectors need to be enhanced. The Guest-of-Honour, Dr (Ms) Tessy Thomas, Director General, Aeronautical Systems (Aero), DRDO, in her address explained different aspects of anti ballistic missile system, strategic missiles with successful navigation and aerodynamic guidance, solid propulsion systems, hypersonic aero vehicles, scramjet engines, cruise missiles with different altitudes. Other Guest-of-Honour, Mr S Pandian, Distinguished Scientist and Director, Satish Dhawan Space Centre

SHAR, ISRO, Sriharikota, in his address mentioned about Indian Space Mission, development and functioning of self accelerating vehicle, one on four satellite, objective of Gaganyaan Mission and Chandrayaan Mission etc. Prof R M Vasagam, Chairman, Aerospace Engineering Division Board, IEI, in his presidential address, emphasized on unexplored Aero R & D sector, developments of Aerostats and Aeroships and mentioned about serviceable satellites and nation's achievement in different successful missions in Aerospace Engineering. Dr M K Mishra, Vice Chancellor, BIT Mesra also graced the occasion with his august presence and addressed the gathering. Earlier, Mr Sanjay Sen, Chairman of the Centre welcomed the august gathering. Mr M R Kumar, Honorary Secretary of the Centre proposed the vote of thanks. The prestigious "Dr Vikram Sarabhai Memorial Lecture" was delivered by Mr S Somanath, Director, ISRO-Vikram Sarabhai Space Centre, Thiruvananthapuram on the theme 'Disruptive Approaches in Propulsion and Space Transportation Systems and ISRO's approaches to face the Challenges'. Two State-of-the-Art Lectures were presented by Dr Debasis Chakraborty, Outstanding Scientist and Technology Director, Directorate of Computational Dynamics, DRDL, Hyderabad on the theme 'Design and Analysis of Aerospace Vehicles through CFD Simulation' and Mr S Pandian, Director, Satish Dhawan Space Centre, SHAR, Sriharikota on the theme 'Spaceports of India – Challenges Ahead'. A Key note Address was presented during the technical session by Dr Sudhir Kumar Mishra, Distinguished Scientist & Director General (BrahMos), DRDO, Ministry of Defence and CEO & MD, BrahMos Aerospace on the theme 'BrahMos, Supersonic Cruise Missiles'. On this occasion, four Eminent Engineering Personalities, namely Dr Sudhir Kumar Mishra, Distinguished Scientist & Director General (BrahMos), DRDO, Ministry of Defence and CEO & MD, BrahMos Aerospace, Shri S Pandian, Director, Satish Dhawan Space Centre, SHAR, Sriharikota, Andhra Pradesh, Dr (Ms) Tessy Thomas, Director General, Aeronautical Systems (Aero), DRDO and Dr Sudip Das, Professor and Head, Department of Space Engineering and Rocketry, BIT Mesra, Ranchi were felicitated for their valuable contributions in the field of Aerospace Engineering. The IEI Young Engineers Award under Aerospace Engineering Division for the year 2018-19 was presented to Dr Dipak Kumar Giri, DST Inspire Faculty, Department of Aerospace Engineering, IIT Kanpur, Dr Sathesh Mariappan, Assistant Professor, Department of Aerospace Engineering, IIT Kanpur and Mr R B Karthik Aamanchi, Director, Aarshadhaatu Green Nanotechnologies India Private Limited, Guntur. A Panel Discussion on 'Aerospace Engineering: The Way Forward' was organised during the occasion, chaired by Prof R M Vasagam, Chairman, ASDB. A large number of papers embracing the theme of the National Seminar were presented and discussed during technical sessions.



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Recent Developments in Concrete Composites

Telangana State Centre of the Institution organized All India Seminar on 'Recent Developments in Concrete Composites' under the aegis of Civil Engineering Division Board of IEI during August 24-25, 2018 at Hyderabad. Mr N Venkateshwarlu, Chief Engineer, Kalaeshwaram Project in Telangana State graced the occasion as Chief Guest. Mr Venkateshwarlu, in his address, highlighted the details of various irrigation works, pipeline arrangements etc. of this mega project. Dr G Rameshwara Rao, Honorary Secretary of the Centre welcomed the august gathering and explained the significance of the Seminar. Dr Sreeram Satyanarayana, Chairman of the Centre also addressed the gathering and presented about the details of the Seminar. Dr Manmoham Kalgal, Technical Advisor, Ultratech Cement Ltd. and Vice President, Asian Concrete Federation, in his Keynote Address, highlighted at length about the special concretes like Self Compacting Concrete, Fiber-reinforced Concrete, ultra High Performance Concrete, Pervious Concrete, Self Curing Concrete, Self Healing Concrete, Smart Concrete, Bendable Concrete etc. to get exposed to the latest innovations in Concrete Technology. Various Technical Sessions were conducted under the Chairmanship of Prof K V L Subramanyam, IIT Hyderabad where resource persons like Mr P Suryaprakash, Managing Director, Satyavani Projects & Consultants Pvt. Ltd., Prof V Bhikshma, Department of Civil Engineering, Osmania University, Prof K Ganesh Babu, former Director, CSIR- Central Building Research Institute, Roorkee, Dr K Balaji Rao, Chief Scientist, CSIR- Structural Engineering Research Centre, Chennai, Dr V R Koushika, Director, Marketing & Technical, ECMAS Construction Chemicals, Dr S Surya Prakash, Department of



Civil Engineering, IIT Hyderabad presented their papers on the theme of the Seminar. The Seminar was aimed to serve as a platform to expose the recent developments in concrete composites to the researchers, field engineers, constructions engineers, builders, faculty and final year students of civil engineering from various engineering colleges. Dr G Sravan Kumar, Joint Honorary Secretary of the Centre proposed the vote of thanks at the end of the function.

Application of Light Weight Materials and Characterization in Automobile Industry

Kancheepuram Local Centre of the Institution in association with the Department of Mechanical Engineering, KCG College of Technology (KCGCT) organized All India Seminar on 'Application of Light Weight Materials and Characterization in Automobile Industry' under the aegis of Mechanical Engineering Division Board of IEI during August 10-11, 2018 at Kancheepuram. Dr S Srinivasan Alavandar, Dean (Academics), AGNI College of Technology graced the occasion as Chief Guest. Dr Alavandar presented an insight about the role of engineers and importance of materials in automobile industries by his thought-provoking speech. Earlier, Prof S Ramesh, Head, Department of Mechanical Engineering, KCGCT welcomed the august gathering. Dr G Prabhakaran, Principal, KCGCT, in his address expressed the importance of light weight materials and characterization in automobile industry in today's evolving engineering sector. Dr V Balasubramanian, Director, Center for Materials Joining and Research, Annamalai University spoke with a prime note on 'Introduction of Light Weight Alloys'. Dr G Padmanaban, Thanthai Periyar Government Institute of Technology, Vellore deliberated on 'Magnesium Alloy & its Characterization in Automobile Industry'. The Keynote Speaker, Mr C V S Murthy, Technological Director, DRDO- Defence Research & Development Laboratory, Hyderabad explained the importance of weldability of light weight alloys and about various real time projects of DRDL. Dr S Madhavan, Department of Mechanical Engineering, SRM Institute of Science and Technology narrated on 'Light Weighting through Joining'. Mr A Manjunath, Scientist 'F', Group Director, DRDO- Gas Turbine Research Establishment,



Bangalore deliberated on 'Advanced Welding Processes & their Application in Automotive Industry'. On this occasion, Dr V Karthik, Department of Metallurgical and Materials Engineering, National Institute of Technology, Trichy highlighted on 'Applications of Titanium Alloys in Automotive Industries'. Dr S Renold Elsen, Department of Design and Automation, School of Mechanical Engineering, Vellore Institute of Technology, Vellore spoke on 'Role of Composites and Shape Optimization in Electrical Cars'. During the program, Mr Helfried-Wolfram Weiss, German expert highlighted latest developmental issues of BMW cars. Dr R Venkatesan, Chairman of the Centre also graced the occasion during the function.

IEI Celebrates World Habitat Day

Theme: Municipal Solid Waste Management

The World Habitat Day was celebrated by the Institution on October 1, 2018. Brief accounts of celebration as received from various Centres are reported hereunder.

STATE CENTRES

Andaman & Nicobar

Mr Avinash Kumar Singh, EE (SWM & Works), PBMC, in his speech, dwelt on the implementation, progress and challenges faced in the management of Municipal Solid Waste. He further stressed upon four basic aspects of Solid Waste Management such as, entrapment, segregation, processing and disposal. Mr Rishikesh, Senior Scientific Officer, DST, Andaman & Nicobar Administration, emphasized on various environmental issues under the Indian Constitution framed to preserve and protect the future generations. Earlier, Mr D Sathyamoorthy, Chairman of the Centre welcomed the august gathering. Mr Johnson Abraham, Honorary Secretary of the Centre proposed the vote of thanks.



Andhra Pradesh



The speaker, Mr Uday Singh Gautam, Program Manager, Andhra Pradesh Sanitation Project - II, Administrative Staff College of India, Hyderabad, in his address, stated that today Municipal Solid Waste Management is one of the major activities for

Urban and Rural bodies. He further explained that how 'Swachh Bharat Mission' has created the large scale of awareness among the common people and also he highlighted that people are becoming quite aware on segregation of waste into dry and wet at household level. Earlier, Dr P Kodanda Rama Rao, Chairman of the Centre presided over the function. Mr G V Srinivasulu, Immediate Past Honorary Secretary of the Centre proposed the vote of thanks.

Gujarat

The Chief Guest, Mr Bharat S Patel, Council Member of IEI presented a brief introduction of E-Waste generation through used computers, mobiles, TV, CD, electronic items etc. He further elaborated the role of Government on making policy for E-Waste disposal. Mr Sanjay Prajapati, Assistant Professor, Department of Civil Engineering, Narnarayan Shastri Institute of Technology (NSIT), Jetalpur, in his speech, explained in brief about different types of solid waste generated, its processing, recycling, disposal etc. Dr D K Dobaria, former Assistant Professor, WALMI, Anand, stated on 'Agriculture Solid Waste Management' and explained agriculture solid waste produced from crops,



animals, plants, residue etc. and its management and disposal. Earlier, Dr Sanjay Joshi, Principal, NSIT, Jetalpur welcomed the gathering. Mr H U Kalyani, Honorary Secretary of the Centre proposed the vote of thanks.

Jharkhand



The Chief Guest, Mr Shardendu Narayan, former Engineer in Chief, DW&SD, Govt of Jharkhand, elaborated on various types of wastes generated in the areas of cities. The methods of composting,

vermicomposting, biogas etc. were also explained by Mr Narayan for better waste reuse and recycle. The Guest of Honour, Mr S Jaipuria, Joint General Manager, Civil & Architecture, MECON Ltd., Ranchi, elaborated on the challenges of solid waste management considering the Indian perspective. Earlier, Mr Sivanand Roy, former Engineer in Chief, Irrigation Department, Govt. of Jharkhand in his welcome address, emphasized the need for observing the Day as a statutory day of the Centre. Mr M R Kumar, Honorary Secretary of the Centre proposed the vote of thanks.

Karnataka

The Speaker on the occasion, Mr N S Ramakanth, an expert in Solid Waste Management, in his speech, mentioned that most of the countries in the World are facing the garbage problem and have banned the use of plastics or recycling of plastic materials. He further mentioned that solid waste management should enable generation of Biogas to supplement the power supply. Earlier, Mr Jasmail Singh, Honorary Secretary of the Centre welcomed the gathering and presided over the function.



Kerala

Mr N Rajkumar, Chairman of the Centre delivered the welcome address and introduced the speaker of the day, Dr R Ajayakumar Varma, Executive Director, Suchitwa Mission. Dr Varma, in his address, stated that solid waste has to be separated as dry waste, metallic & plastic and biodegradable wastes. He concluded with the view that there must be separate container for dry and wet waste collection in the kitchen at home. Mr Udaya Kumar K S, Honorary Secretary of the Centre proposed the vote of thanks at the end of the function.



Telangana

Mr Kanna Suresh Kumar, Chief Engineer, Greater Hyderabad Municipal Corporation, Hyderabad graced the function as Chief Guest. Speaking on the occasion, he highlighted about the process of Solid Waste Management in GHMC. Further, Mr Kumar said that Greater Hyderabad Municipal Corporation is the best state capital for Solid Waste Management in Swachh Survekshan - 2018. Dr D Hanumantha Chary, Past Chairman of the Centre presided over the meeting. Earlier, Dr G Rameshwar Rao, Honorary Secretary of the Centre welcomed the gathering and Dr G Shravan Kumar, Joint Honorary Secretary of the Centre proposed the vote of thanks.



Uttar Pradesh



The Chief Guest & Keynote Speaker, Mr A K Gupta, Additional Director, Regional Centre for Urban Environmental Studies, Govt. of India stated that for better management of solid municipal waste, Govt. of India from time to time formulated rules, bye-laws and issued ordinances. He further mentioned that in respect of

collecting of wastes, measures taken by Central Govt. have started giving results and in some states like Chhattisgarh, this work is being done at low cost and generating employment also, through recycling and converting the bio-degradable waste into compost manure. Earlier, Mr V B Singh, Council Member of IEI welcomed the gathering and presided over the function. Mr R K Trivedi, Honorary Secretary of the Centre proposed the vote of thanks.

LOCAL CENTRES

Ahmednagar

Mr Avinash Kulkarni, Chairman of the Centre, in his speech, explained the types of wastes, viz. solid wastes and liquid wastes & classification of wastes according to their properties. He further highlighted that the impact of waste in human health, coastal & marine environment etc. Mr R P Waykar, Honorary Secretary of the Centre proposed the vote of thanks.



Anantapuram



Mr P V V S Murthy, Commissioner, Anantapuramu graced the occasion as Chief Guest and highlighted about various developments in the Ananthapuram Municipal Corporation has been initiated taking in order to control and reduce the

solid waste management. Mr S A Khader Saheb, Advisor, Swachh Andhra explained about the Solid Waste Management Rules - 2016 by Ministry of Environment, Forest and Climate Change. He further distinguished the solid waste into solid, wet and domestic waste and explained usage of the plastics by reduce, reuse and recycle processes. Earlier, Prof C Sashidhar, Chairman of the Centre welcomed the august gathering. Prof M L S Deva Kumar, Honorary Secretary of the Centre proposed the vote of thanks.

Anpara

Mr Surendra Prasad, General Manager, BHEL, Anpara graced the occasion as Chief Guest. Mr Prasad in his address mentioned that engineers should give due importance to the urban and rural population while planning for future projects of habitat development. Mr R P Saxena, General Manager, ATPS, Anpara and Mr Deepak Kumar, General Manager, ATPS, Anpara graced the occasion as Guests of Honour. Earlier, Mr U C Mishra, Chairman of the Centre welcomed the august gathering. Mr Mukesh Kumar Singh, Honorary Secretary of the Centre proposed the vote of thanks.



Bareilly



The Guest of Honour, Mr S C Sundrani, Past Chairman of the Centre expressed that the new city of Abuja provided an opportunity to avoid some of the environmental problems associated with other major cities in Africa. He further

stated that the existing solid waste management system is affected by unfavourable economic, institutional, legislative, technical & operational constraints and a reliable waste collection service is needed and waste collection vehicles need to be appropriate to local conditions. Dr Anil Kumar, Director, RMIT, Bareilly explained the framework of municipal solid waste management system. Earlier, Mr Subhash Mehra, Chairman of the Centre welcomed the gathering. Dr Pankaj Sharma, Honorary Secretary of the Centre proposed the vote of thanks.

Belapur

Mr Prakash Shrivasta, Dip Industrial Engineering & Management graced the occasion as Keynote Speaker. In his address, Mr Shrivasta enlightened the audience about Municipal Solid Waste Management with real examples. Earlier, Mr V C Kamble, Past Chairman of the Centre welcomed the august gathering. Mr S P Singh, Honorary Secretary of the Centre proposed the vote of thanks at the end of the programme.



Bokaro Steel City



Mr A C Goyal, Chairman of the Centre welcomed all the guests and dignitaries. Mr C P Sahay, Former Deputy General Manager, SAIL-BSL deliberated on different aspects of the theme. Mr N P Srivastava, Head of Environment Department, SAIL-

Bokaro Steel Plant presented briefed the aspects of municipal solid waste management through 3R's viz. Reduce, Recycle and Reuse. Mr Y N Singh, Honorary Secretary of the Centre proposed the vote of thanks.

Coimbatore

Mr K V Thirumal, Nodal Officer, Swachh Bharat Mission, Coimbatore City Municipal Corporation, graced the occasion as Chief Guest and delivered lecture on the theme. Earlier, Mr P R Natarajan, Chairman of the Centre welcomed the gathering and presided over the meeting. Dr G K Govindaraj, Committee Member of the Centre proposed the vote of thanks.



Dhanbad

Mr Ram Udgar Mahato, Former General Manager, Jharkhand State Electricity Board graced the function as Chief Guest. Prof R K Srivastava, Former Head & Professor, Production Engineering Department, BIT, Sindri delivered lecture on the theme. Mr S Ratnaker, Joint Honorary Secretary of the Centre introduced the theme.

The function ended with the vote of thanks proposed by Dr K K Singh, Honorary Secretary of the Centre.



Dharwad



The Chief Guest, Prof S G Joshi, Civil Engineering Department, SDM College of Engineering & Technology, Dharwad opined that solid waste management strategy is to go hand-in-hand with the design and development of Metro cities. He further highlighted the importance

of the day with respect to shelter and the connected issues like energy, water and safety in the current scenario. Further, he mentioned the solutions of safe and scientific disposal of solid waste by Bio-culture and Bio-mining to reduce the burden on the corporations and corresponding increase in expenditure. Earlier, Dr S S Kerur welcomed the gathering. In his address, Mr S M V Narayan, Chairman of the Centre stated that proper measures to be introduced to manage large solid waste generated daily for disposal and also to control the waste generation. Mr Sanjay Kabbur proposed the vote of thanks.

Kanpur

Prof D P Mishra, Chairman of the Centre welcomed the gathering and briefed that modern man is producing large amount of waste materials being embroiled in the virtual notion of money-managed development which is leading us to the ocean of destruction and demise. He elaborated on the fact that the modern people are taking about sustainable production and consumption of materials as western people are coining these slogans but not adhering to the basic principle of producing less and consuming least. Mr Vivek Asthana, Honorary Secretary of the Centre proposed the vote of thanks at the end of the programme.



Kanyakumari

Mr G Sivasubramanian, former Chief Engineer, Tamilnadu Electricity Board, in his Keynote address, stated that the World Habitat Day is observed to remind people, the necessity to maintain eco balance and the maintenance of eco balance is absolutely essential for the survival of our planet. Dr S Arumuga Perumal, Head, St. Hindu college, Nagercoil presided over the function and explained the goals to be achieved to promote sustainable urban development policies, which ensure adequate shelter for all. Mr V Sivathanupillai, Honorary Secretary of the Centre proposed the vote of thanks at the end of the programme.



Kollam

The speaker, Prof Subhash Varma, Department of Architecture, TKM College, Kollam explained about the importance of solid waste, which has been a major factor in recent flood at Kerala. Earlier, Dr Gowri Antharjanam, Head, Department of Civil Engineering, in her welcome address stated the importance of observing the Day and expressed her expectation from young engineers for the better future. Dr S Suresh Babu, Principal, SBCE, in his address, expressed his concern over the increasing amount of wastes in urban and rural area. Dr E K Bhass, PG Dean, Department of Civil Engineering, SBCE proposed the vote of thanks.



Ludhiana



Mr S Charanjit Singh Channi, Chancellor, CT University graced the occasion as Chief Guest. Mr Channi, in his speech, narrated that with the world of technology rapidly changing and the students need to be more innovative to find solutions to the problems around them. Earlier, Brig Mastinder Singh, Chairman of the Centre welcomed the gathering and discussed about observing various statutory days. Dr G S Kalra, Campus Director, CT Institutes proposed the vote of thanks at the end of the programme.

Mangalore

The Chief Guest, Dr Sunil B Malegola, Associate Professor, Department of Civil Engineering, NITK Suratkal and Honorary Secretary of the Centre, in his address stated that modern sustainable philosophy is to be followed to prevent pollution of soil and water by minimizing waste disposal, to recycle materials and reuse industrial by products. 'Trends in consumption and production, manufacturing product cycles, public attitude, good municipal governance systems, capacity of city managers and innovative financing solutions are all part of good solid waste management and all waste producers are to be stakeholders in protecting the water and soil', he added. Earlier, Dr S Shrihari introduced the Chief Guest. Prof (Dr) K Panduranga Vittal, Chairman of the Centre presided over the function. Prof G R Rai, and Mr Diwakar Shetty were also present on the occasion.



Meerut



Prof Jaimala, Director, SRIET, Meerut graced the occasion as Chief Guest and expressed her views. The Keynote Speaker, Mr R P Verma, former Chief Engineer, Urban Development said that the vibrancy of any city depends on the health of the citizens. Good environment and good water quality are governed by management of solid waste. Ms Somi Tandon, IDAS, Former Secretary, Defence Finance, Govt. of India explained in details the various types of solid wastes and suggested the ways to dispose the same. Earlier, Mr S C Govil, Chairman of the Centre welcomed the guests and dignitaries. Mr Rajneesh Kumar, Honorary Secretary of the Centre proposed the vote of thanks.

Munirabad

The Guest Speaker, Ms Manjula, Executive Engineer – Design, TBP Munirabad, in her address, explained about the origin and relationship of human society and the nature. She further narrated about the importance and existence of habitation. Mr T H M Somashekhar, Former Chairman of the Centre delivered the welcome address. Mr Palaksha Goud, Former Chairman of the Centre proposed the vote of thanks.

Mysore

The Keynote speaker, Ms Mythri, Zonal Environmental Engineer, Mysore City Corporation, Mysuru, deliberating on the theme, explained how Mysore City Corporation managing waste segregation and storage at source. She also deliberated on various advantage of segregating waste. Earlier, Mr



M Chinnaswamy, Chairman of the Centre welcomed the gathering. Mr Dinesh Kumar D K, Convener of the event introduced the speaker. Mr B V Ravindranath, Honorary Secretary of the Centre proposed the vote of thanks.

North Bengal

Mr Santanu Das, Honorary Secretary of the Centre, in his address, suggested different ideas about the theme. He explained that the composition of municipal solid waste varies greatly from municipality to municipality and it changes significantly with time.

Palghat



The Guest Speaker, Mr Krishnan M N, Environmental Engineer, Kerala State Pollution Control Board, Palakkad pointed out that Municipal Solid Waste Management has emerged as one of the toughest challenges for engineers in the

modern world. Earlier, Mr A Kesavan, Chairman of the Centre presided over the function. The programme concluded with the vote of thanks proposed by Mr K Unnikrishnan, Joint Honorary Secretary of the Centre.

Rourkela

The Speaker on the occasion, Prof P Balasubramanyan, Department of Biotechnology and Medical Engineering, NIT Rourkela, in his speech, deliberated on the issues and challenges, categorization of waste, 3R approach and principles of sustainable and integrated MSWM. He further enumerated the categories of solid wastes and suggested 3R Approach i.e. Reduce, Reuse and Recycle for MSWM. Prof S K Sahu, Honorary Secretary of the Centre proposed the vote of thanks at the end of the function.



Saurashtra

Prof Sneha Gautam, Head, Department of Environment Science & Engineering, Marwadi University, Rajkot, speaking on the theme, talked about three types of solid waste viz. bio-medical waste, food waste and E-waste. He further urged to reuse, refuse and recycle the solid waste so that environment is not damaged. Earlier, Prof C H Vithalani, Principal-In-Charge, Govt. Engineering College, Rajkot and Mr Navin R Kalaria, Honorary Secretary of the Centre welcomed the august gathering. Prof Asha Joshi, Head, Civil Engineering Department proposed the vote of thanks.



South Gujarat

Dr P H Tandel, Chairman of the Centre welcomed the guests and dignitaries present on the occasion. The speaker on the occasion, Dr Anant Parghi, Assistant Professor, SVNIT, in his speech, reminded the vision of the father of nation, Mahatma Gandhi on Clean India Mission and expressed that all have the responsibility to shape the future of the cities and towns towards the clean India Mission.



Sunabeda

The Chief Guest, Mr Rama Chandra Sahoo, Past Chairman of the Centre, in his speech, emphasized on the purpose of the Day. The Chief Speaker on the occasion, Mr Sunil Kumar Biswal, Energy Auditor, Govt. of Odisha mentioned that the basic human right is adequate shelter. He further suggested that the responsibility of citizen is to take collective decision and responsibility to shape the future of our cities & towns. Mr G P Dash, Honorary Secretary of the Centre focused on promoting implementation of concrete initiatives to control waste management in urban & village areas. He also proposed the vote of thanks at the end of the programme.



Tiruchirappalli



Prof S T Ramesh, Department of Civil Engineering, NIT Tiruchirappalli, graced the occasion as Guest Speaker. Dr Ramesh, in his speech, narrated that the collecting, treating, and disposing of solid material that is discarded because it has served its purpose or is no longer useful. Mr

R Selvaraj and Mr S Lakshmanan, Chairman and Honorary Secretary of the Centre respectively also graced the occasion with their august presence.

Upper Assam

The Chief Guest, Prof Vivek Shyam Pangyok, SDO (Civil), Bokakhat Subdivision illustrated about the quantity of daily production of garbage by an average people and the bad impact of the waste materials on the environment. The Guest-of-Honour, Ms Manashi Phukon, Vice-Principal, JDSG College, Bokakhat also addressed the gathering and highlighted the impact on waste in day to day life. Mr Jitu Sarmah Rajkhowa, other Guest-of-Honour of the occasion, expressed his opinion about the daily uses of plastic and its impacts on the earth. Prof Gopikananda Saikia, JDSG College, Bokakhat was also present as Guest-of-Honour and elaborated on the solid waste management and its role in the environment. The Keynote speaker, Dr Pradip Sharma, former Associate Professor, Department of Geography, Cotton University narrated at length about the introduction on wetlands and presented statistical data about the number of wetlands of Assam and their present position. Earlier, Mr Amitava Dasgupta, Chairman of the Centre welcomed the gathering. Dr Bijoy Sarmah, Head of Department of History, JDSG College, Bokakhat proposed the vote of thanks.



Superannuation from IEI



Mr Soumyen Chakraborty, an employee of the Institution HQ will be superannuated from the services of IEI on December 31, 2018. He joined the Institution on July 01, 1985 and rendered his services to the Institution for a period of over 33 years.

IEI wishes Mr Soumyen Chakraborty and his family a happy and healthy life in future.

One Day Seminars/Workshops Conducted by Various Centres of IEI

STATE CENTRES

Haryana



Haryana State Centre of the Institution organized One day Seminar on 'Revamping Engineering Education in India to meet Present Challenges' under the aegis of Interdisciplinary Coordination

Committee (ICC) on September 28, 2018 at Karnal, Haryana. Dr L N Mittal, Former Professor, National Institute of Technical Teachers Training and Research, Chandigarh graced the occasion as Chief Guest and delivered the keynote address on the theme of the Seminar. Mr K C Sethi, Council Member of IEI welcomed the gathering.

Jharkhand

Jharkhand State Centre of the Institution organized One day Workshop on 'Rain Water Harvesting for Improving Ground Water Situation in Ranchi' under the aegis of Civil Engineering Division of IEI on October 19, 2018 at Ranchi. Mr Shardendu Narain, Former Engineer-in-Chief, Drinking Water & Sanitation Department, Govt. of Jharkhand graced the function as Guest-of-Honour. Mr N K Roy, Former Engineer-in-Chief, DWSD, Govt. of Jharkhand and Head, Department of Civil Engineering, Jharkhand Rai University also spoke on this auspicious occasion.



Tripura

Tripura State Centre of the Institution organized One day Seminar on 'Sustainable Civil Infrastructure during Disaster' under the aegis of Civil Engineering Division of IEI on October 7, 2018 at Agartala. The Seminar was inaugurated by Mr N K Dutta, Former Engineer-in-Chief and



Secretary, PWD, Tripura. Maj Gen (Dr) S Bhattacharya, VSM (Retd), Secretary & Director General of IEI graced the occasion as Chief Guest. Dr Sujit Kumar Pal, Associate Professor, Department of Civil Engineering, NIT Agartala also graced the function with his august presence.

LOCAL CENTRES

Agra

Agra Local Centre of the Institution organized One day Seminar on 'Advancement of Engineering and its Applications' under the aegis of Computer Engineering Division of IEI on September 9, 2018 at Agra. Mr Sisir Kumar Banerjee, President, IEI graced the occasion as Chief Guest. Prof K Hans Raj, Dean, Dayalbagh Educational Institute, Agra, Mr Arun Kumar Saxena, Director, ADRDE and Major Kamini Pokharia, Administrative Officer, 509 Army Base Workshop attended the Seminar as Keynote Speakers.



Ahmednagar



Ahmednagar Local Centre of the Institution organized One day Seminar on 'Reduction in Water Footprint' under the aegis of Environment Engineering Division of IEI on

August 31, 2018 at Ahmednagar. Mr Popatrao Pawar, Executive Director, Govt. Model Village Programme, Maharashtra State, graced the Inaugural function as Chief Guest and addressed the gathering. Mr Ramchandra Dare, Vice President, Ahmednagar Jilha Maratha Vidya Prasarak Samaj delivered the address.

Bareilly

Bareilly Local Centre of the Institution organized One day Workshop on 'Android Botix: Brainwave Controlled Robotics' under the aegis of Electronics & Telecommunication Engineering Division of IEI on October 27, 2018 at Durgapur.



Dr P P Singh, Dean, Invertis University, Bareilly addressed the august gathering as Keynote Speaker. The Seminar was conducted by Mr Suhail Javed Quraishi, CEO, I-Tech, Assistant Professor, Invertis University, Bareilly.

Bhimavaram



Bhimavaram Local Centre of the Institution in association with Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru organized One day Workshop on 'Evolution of the Automotive

Interiors' under the aegis of Mechanical Engineering Division of IEI on October 23, 2018 at Bhimavaram. Mr N V K Durga Rao, Secretary, CRRCOE graced the occasion as Chief Guest and addressed the august gathering. Other dignitaries present on the occasion included Dr G Samba Siva Rao, Principal, CRRCOE and Dr K Venkateswara Rao, Head, Department of Mechanical Engineering, CRRCOE.

Durgapur

Durgapur Local Centre of the Institution organized One day Seminar on 'Solving Real World Problem using OOP' under the aegis of Interdisciplinary Coordination Committee (ICC) of IEI on



September 14, 2018 at Durgapur. Prof Tandra Pal, NIT Durgapur and Dr P K Sinha graced the occasion as Chief Guest and Guest-of-Honour respectively. Invited Speakers included Prof S Dhar of Calcutta University, Mr Rabi Shaw of NIT Jamshedpur, Ms Nabanita Sinha Roy of DIATM and others.

Durgapur Local Centre of the Institution organized One day Workshop on 'Application of MATLAB in Communication Engineering' under the aegis of Electronics & Telecommunication Engineering Division of IEI on October 5, 2018 at



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IEI Celebrates World Standard Day

**Theme: International Standards and
the Fourth Industrial Revolution**

The World Standards Day was celebrated by the Institution on October 14, 2018. Brief accounts of celebration as received from various Centres are reported hereunder

STATE CENTRES

Andhra Pradesh



Mr D Rama Krishna, Managing Director, Efftronics Systems Pvt. Ltd, Vijayawada, speaking on the theme stated that the physical world has become hyper connected and is now rapidly being augmented with a layer of 'smartness'. Earlier, Mr C V Sriram welcomed the august

gathering. Mr M R S Prakasa Rao, Former Chairman of Vijayawada Local Centre presided over the function. Mr M Seshagiri Rao, Honorary Secretary of the Centre proposed the vote of thanks.

Delhi

The Chief Guest, Mr Anil Jauhri, CEO, NABCB, Quality Council of India mentioned that Industrial Revolution 4.0 is still evolving in India, even the most advanced country in the world are still looking for understanding of effect of Industrial Revolution 4.0 on quality. Mr Pradip Chaturvedi, Council Member, IEI stated that



Industry 4.0 Revolution has already set in but seizing its full potential for improving the quality of life of the society will need a lot of high level research in engineering and technology. Earlier, Mr Devendra Gill, Chairman of the Centre welcomed the guests and dignitaries. Mr J K Sharma of the Centre proposed the vote of thanks.

Gujarat



The Theme Speaker, Mr Niraj Shah, Automation and Robotic Expert spoke about automation and use of robot in future for industrial revolution in our daily life. He further explained that robots and artificial intelligence will take over more and more tasks previously done

by humans, additive manufacturing also known as 3D printing will change the way of making goods, and gives the ability to "print things" at home, and as everything from planes to baby monitors are connected digitally, the vulnerability of data and the consequences of a breach are growing exponentially. Mr Solanki, Corporate Member proposed the vote of thanks.

Jharkhand

The Chief Guest, Mr U K Vishwakarma, General Manager (Management Services), MECON Limited emphasized that the Fourth Industrial Revolution is narrowing the traditional boundaries between the physical, digital and



biological worlds through adoption of emerging technologies. The Keynote Speaker, Mr A K Singh, Deputy General Manager (Civil), MECON Limited indicated that standards are not new for India, and Indian culture is intertwined

with standards in each aspects of life. The Guest of Honour, Mr Sundeeep Sinha, Deputy General Manager (Rolling Mills), MECON Limited explained the meaning of Standards, and its significance in the Fourth Industrial Revolution. He discussed the risk involved with artificial intelligence. With the help of standardization, the risk may be minimized. Earlier, Mr Shivanand Roy, former Engineer in Chief, Irrigation Department, Govt. of Jharkhand welcomed all the dignitaries and guests. Mr M R Kumar, Honorary Secretary of the Centre proposed the vote of thanks.

Kerala

Mr M Pradeep Kumar, Consultant, Management Systems & Business Excellence and Former Auditor & International Tutor, Bureau Veritas Certification highlighted that the first industrial revolution happened in the 18th century and the fourth one is about to happen now. He further clarified that the fourth industrial revolution is the current and developing environment in which disruptive technologies and trends such as the Internet of Things (IoT), robotics, virtual reality and artificial intelligence are changing the way human being live and work. Earlier, Mr N Rajkumar, Chairman of the Centre delivered the welcome address and Mr K Sarat Kumar, Past Honorary Secretary of the Centre proposed the vote of thanks.



Telangana



Mr P V S Maruthi Rao, Chairman, IEEE, Hyderabad, graced the occasion as Chief Guest. In his address, Mr Rao stated that Industry 4.0 is one of the emerging fields fueling the economic growth bringing a sea change in the industrial landscape. He further focused on the standards for IoT, Smart Cities, Machine to Machine etc. Dr S Satyanarayana, Chairman of the Centre, in his

address said that World Standards Day, which is a means of paying tribute to the collaborative efforts of the thousands of experts worldwide who develop the voluntary technical agreements that are published as international standards. Earlier, Dr G Rameshwar Rao, Honorary Secretary, welcomed the gathering. Mr T Anjaiah, proposed the vote of thanks.

Uttar Pradesh



The Chief Guest, Mr Ajay Maurya, Scientist-B, Bureau of Indian Standards (BIS), Lucknow, while speaking on the theme stated that first Industrial revolution was started in 18th century about 250 years ago in which requirement of standards was found to be relevant whole transforming the activities from manual to mechanical. Earlier, Mr V B Singh, Council Member, IEI presided over the function. Mr R K Trivedi, Honorary Secretary of the Centre proposed the vote of thanks.

LOCAL CENTRES

Ahmednagar

The Theme Speaker, Mr H B Thigale, Scientist 'E', Vehicle Research & Development Establishment, Ahmednagar, speaking on the relevance to the Fourth Industrial Revolution quoted the statement of Klaus Schwab, Founder & Executive Chairman of World Economic Forum that we stand on the brink of technological revolution that will fundamentally alter the way we live, work and relate to one another. Explaining the challenges ahead, Mr Thigale stated that not all organizations & industry sectors are at the same stage of understanding as what this means to their business. Earlier, Mr R P Waykar, Honorary Secretary of the Centre introduced the theme and also proposed the vote of thanks at the end.



Aligarh



Prof Badrul Hasan Khan graced the occasion as the Chief Guest and highlighted the importance of observing the Day. Dr Gyan Prakash Goyal, Chairman of the Centre welcomed the august gathering. Dr Salma Saheen, Honorary Secretary

of the Centre proposed the vote of thanks at the end of the function.

Anpara

Mr R P Saxena, General Manager, ATPS, graced the occasion as Chief Guest. Mr Saxena, in his address, stated that International Standards and Fourth Industrial Revolution is the need of today. Mr Vikas Kumar Srivastava, in his keynote address presented a detailed account of various issues concerned with the theme of the day. Earlier, Mr D K Singh, Immediate Past Honorary Secretary of the Centre welcomed the august gathering. Mr Mukesh Kumar Singh, Honorary Secretary of the Centre proposed the vote of thanks.



Bareilly

Mr K B Agarwal, Founder Chairman of the Centre, in his speech stated that in Fourth Industrial Revolution, Dynamic International Standards are required. Mr S K Gupta, Immediate Past Honorary Secretary of the Centre highlighted that the global network of centre for the Fourth Industrial Revolution brings together governments, leading companies, civil society and experts from



around the world to co-design and pilot innovative approaches to the policy and governance of technology. Earlier, Mr Subhash Mehra, Chairman of the Centre welcomed the august gathering. Prof Pankaj Kumar Sharma, Honorary Secretary of the Centre introduced the theme and proposed the vote of thanks at the end of the function.

Bokaro Steel City

The Chief Guest, Mr S Chaurasia, General Manager (RM & HP), SAIL-Bokaro Steel Plant, in his address highlighted the importance of quality aspects and explained citing the example of standard set by the nature in human body. Earlier, Mr A C Goyal, Chairman of the Centre welcomed the august gathering and explained the importance of the day. Mr Y N Singh, Honorary Secretary of the Centre proposed the vote of thanks at the end of the function.



Dharwad

The Chief Guest, Mr Rajeshwar Reddy, General Manager, Pennar Industries Hyderabad, in his address opined that a structured approach for standards and certification is becoming essential to accelerate the Industrial Revolution 4.0. He highlighted the need for setting up of standards and the evolution of standards and specifications. Prof Ramesh L Chakrasali, Honorary Secretary of the Centre, in his remarks stated that the standards and specifications help in ensuring bare minimum quality in all activities of the organization / industries. Earlier, Dr Sunil Honnunar welcomed the august gathering and also proposed the vote of thanks at the end of the function.



Durgapur

The Guest of Honour, Dr Chittatosh Bhattacharya, Deputy Director, NPTI (ER), Durgapur, speaking on 'India's Strategic Mission to Incorporate the Transforming Global Standardizing Vision' touched upon some important points viz. World Standards Day & its significance, Road Map to Standardization Procedure, Evolution and Role of BIS, Ongoing National Policy Framework, Emerging Trends in National Standardization Regulations etc. Another Guest of Honour, Mr M Chandrasekhar, Deputy General Manager (COCC), SAIL- Durgapur Steel Plant also spoke on the theme. Earlier, Mr R K Roy, Chairman of the Centre, in his welcome address highlighted that today standards will once more play a key role in the transition to a new era. Mr M N Bandyopadhyay, Honorary Secretary of the Centre proposed the vote of thanks.



Faridabad

The Keynote Speaker, Ms Neha Yadav, Scientist C, Bureau of Indian Standards (BIS) gave a detailed description about BIS and its activities. Dr Pradeep Kumar, Associate Professor, YMCA, in his theme speech stated that some say standards stifle creativity but it is essential for developing stuff that fits together. Earlier, Mr Subhash Chander, Chairman of the Centre while delivering the welcome address stated that we should pay tribute to the collaborative efforts of the thousands of experts worldwide who developed the voluntary technical agreements that are published as international standards. Mr Sandeep Handa, Honorary Secretary of the Centre proposed the vote of thanks.



Gorakhpur

Mr Mahabir Prasad Kandoi, Committee Member of the Centre, in his theme lecture, mentioned that due to globalization, the local standards have lost their revelation. He further stated how Fourth Industrial Revolution due to digitisation, the growth of technology is exponential as compact to linear growth in the past three industrial revolutions. Mr Kandoi also highlighted the development of 3D Mapping, artificial intelligence, Nano-technology, Biotechnology etc. and change in standard throughout the globe and international standards.

Gwalior

The Chief Guest, Mr R Rathore from Jabalpur Local Centre told that today standards will once more play a key role in the transition to a new era. 'Innovators rely on International Standards, like those produced by IEC, ISO and ITU, to ensure compatibility and interoperability, so that new technologies can be seamlessly adopted', he added. Mr Prabhat Bhargawa, stated that the rapid pace of change brought by the Fourth Industrial Revolution has its challenges. Mr R K Khetan quoted that the Fourth Industrial Revolution has begun, but in order to seize its full potential for the betterment of society, standards are needed. Earlier, Maj Gen S C Jain inaugurated the session and stated that it is very important to know, understand and use International Standards. The programme ended with the vote of thanks proposed by Mr Vinay Kumar Shukla, Honorary Secretary of the Centre.



Kalaburagi

Dr G K Purohit, Adjunct Professor, Central University, Kalaburagi, graced the occasion as the Speaker who delivered lecture on the theme of the day. Mr Sugoora Subhash welcomed the guests and dignitaries. Mr M M Kadadi, Chairman of the Centre chaired the function. Mr Kashappa Vanjarkhed proposed the vote of thanks.



Kanpur

Mr A K Bera, Scientist 'F', Bureau of Indian Standards (BIS), Lucknow graced the occasion as Chief Guest. Mr Bera, in his speech, spoke on the theme of the day and highlighted the history and significance of observing the World Standards Day. Earlier, Prof D P Mishra, Chairman of the Centre welcomed the Chief Guest and other dignitaries present on the occasion. Mr Vivek Asthana, Honorary Secretary of the Centre extended the vote of thanks at the end of the function.



Kanyakumari

The Keynote Speaker, Mr S Natarajan, former Chief Engineer, Public Works Department explained the challenges brought by the Fourth Industrial Revolution. He further highlighted that in the future, robots and artificial intelligence will take over more and more tasks, previously done by humans. Earlier, Mr A Megalingam, Committee Member of the Centre delivered the welcome address. Mr V Sivathanu Pillai, presided over the function. Mr V Muthum Perumal, Honorary Secretary of the Centre proposed the vote of thanks.



Kota

Mr S C Agrawal, Past Chairman of the Centre graced the function as Chief Guest and addressed the gathering. Mr V S Bhatnagar, Joint Manager, DCM Shriram, Kota and Mr Amit Katara, Head - Safety, Shriram Rayons, Kota graced the occasion as Guest Speakers and spoke on the theme. Mr P K Jain, Former Chief Engineer participated as Guest of Honour. Earlier, Mr C K S Parmar, Chairman of the Centre welcomed the august gathering. Mr Jasamat Singh, Honorary Secretary of the Centre proposed the vote of thanks at the end of the programme.



Meerut

The Keynote Speaker, Mr Tushar Jain, Associate Professor, MIET, Meerut highlighted that the Fourth Industrial Revolution is the term used to commonly describe a paradigm shift proffered by a series of game-changing innovations that are changing the way products are manufactured and services delivered. On this occasion, Mr Ashutosh Mishra, Assistant Professor, SCRIET, Meerut explained about the Fourth Industrial Revolution applicable in the field of agriculture and stressed on the use of Computer and Mobile phones with the help of solar operated multi-purpose equipment. Mr Rajneesh Kumar, Honorary Secretary of the Centre conducted the programme and proposed the vote of thanks.



Mysore

Mr R Gopinath, Deputy Director, Ministry of Micro, Small and Medium Enterprises (MSME), Govt. of India, in his speech stated that International Standards are standards developed by International Standards Organizations. Earlier, Mr M Chinnaswamy Chairman of the Centre welcomed the august gathering. The function concluded with the vote of thanks proposed by Mr Dinesh Kumar D K, Convener of the Programme.



Palghat

The Guest Speaker, Mr Ramaswamy Krishnan, Software Developer, Microsoft India pointed out that fourth industrial revolution loosely refers to the spread of Internet and how it penetrated across the devices large and small. The immense potential of cloud computing and some concerns around it were also discussed by him. Mr A Kesavan, Chairman of the Centre presided over the function. Earlier, Dr E K K Nambiar, Honorary Secretary of the Centre introduced the Guest Speaker. Mr K Unnikrishnan, Honorary Joint Secretary of the Centre proposed the vote of thanks.



Roorkee

Prof M N Viladkar, Department of Civil Engineering, IIT Roorkee graced the occasion as Chief Guest and focused on adoption of BIS Codes and Standards in Rock Mechanics and Tunneling which are important to ensure Quality, Safety and Efficiency to attain excellence that gives customers confidence in the services. Earlier, Mr Malvinder Singh, Chairman of the Centre welcomed the august gathering and highlighted the significance of World Standards Day. Dr Achal K Mittal, Honorary Secretary of the Centre proposed the vote of thanks.



IEI DIARY



Aerospace Engineering Division

All India Seminar on "Bluff Body Aerodynamics"

Kolkata, January 18-19, 2019

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

All India Seminar on "Emerging Trends in Aircraft Structure Materials"

Pune, February 16-17, 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-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

National Conference on "Agricultural Engineering Interventions for Sustainable Organic Hill Farming"

Gangtok, February 1-2, 2019

The Honorary Secretary, IEI, Sikkim State Centre, First Floor, North Academic Block, Central Agricultural University Campus, College of Agricultural Engineering & Post Harvest Technology, Ranipool 737135 [e-mail: sikkimsc@ieindia.org]

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]

All India Seminar on "Structural Aspects of Architectural Engineering"

Jaipur, December 29-30, 2018

The Honorary Secretary, IEI, Rajasthan State Centre, Gandhi Nagar, Tonk Road, Jaipur 302015 [☎: 0141-2706327; Telefax: 0141-2700413; e-mail: rajasthansc@ieindia.org]

Workshop on "Real Estate Regulatory Authority (RERA)"

Goa, January 18-20, 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@ieindia.org; website: www.ieigoasc.org]

Chemical Engineering Division

All India Seminar on "Treatment of Sewage Water for Irrigation Purpose"

Bhopal, January 05 – 06, 2019

The Honorary Secretary, IEI, Madhya Pradesh State Centre, M Visvesvaraya Marg, PO: Habibganj, Bhopal 462024 [☎: 0755-250577 / 2502987; e-mail: mpssc@ieindia.org; website: www.mpsciei.org]

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

One Day Seminar on "Effects of Wind on Structural and Facade Design and Simulation of Actual Atmospheric Boundary Layer and Studies in the Wind Tunnel"

Bhimavaram, January 08, 01, 2019

The Honorary Secretary, IEI, Bhimavaram Local Centre, First Floor, General Emenities Building, SRKR Engineering College, PO Chinnaamiram, Dist West Godavari, Bhimavaram 534204 [☎: 08816-233522; e-mail: bhimavaramlc@ieindia.org]

Electrical Engineering Division

All India Workshop on "Application of Power Electronics in Electrical Systems"

Chandigarh, January 15-16, 2019

The Honorary Secretary, IEI, Punjab & Chandigarh State Centre, Sector 19A Madhya Marg, Chandigarh 160 019 [☎: 0172-2775418; Fax: 0172-2540133; e-mail: pcsc@ieindia.org]

One Day Seminar on "Robotics Monitoring of Power Systems"

Salem, February 08, 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]

Electronics & Telecom. Engg. Division

One Day Seminar on "Automotive Electronics Using New Age Embedded Controller Platform"

Solapur, January 19, 2019

The Honorary Secretary, IEI, Solapur Local Centre, Vastu Vaibhav, 3 North Kasaba, 4th Floor, Near Laxmi Bank, Shivaji Chowk, Solapur 413001 [☎: 0217 2727707; e-mail: solapurlc@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

One Day Seminar on "Sustainable Solid Waste Management for Smart Cities"

Bhimavaram, February 02, 2019

The Honorary Secretary, IEI, Bhimavaram Local Centre, First Floor, General Emenities Building, SRKR Engineering College, PO Chinnaamiram, Dist West Godavari, Bhimavaram 534204 [☎: 08816-233522; e-mail: bhimavaramlc@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; website: 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]

Mechanical Engineering Division

All India Seminar on "Gateway of FEA in Mechanical Design"

Madurai, January 04-05, 2019

The Honorary Secretary, IEI, Madurai Local Centre, Er T M Jambulingam Bhavan, No. 1, Vivekananda Nagar, 120 Feet Road, Surveyor Colony, K Pudur, Madurai 625007, [☎: 0452 4373067; e-mail: madurailc@ieindia.org]

All India Seminar on "Materials for Energy Conversion and Storage"

Madurai, February 05-06, 2019

The Honorary Secretary, IEI, Madurai Local Centre, Er T M Jambulingam Bhavan, No. 1, Vivekananda Nagar, 120 Feet Road, Surveyor Colony, K Pudur, Madurai 625007, [☎: 0452 4373067; e-mail: madurailc@ieindia.org]

One Day Workshop on "Basics of Surface Modelling Using CATIAV5"



Solapur, February 23, 2019
The Honorary Secretary, IEI, Solapur Local Centre, Vastu Vaibhav, 3 North Kasaba, 4th Floor, Near Laxmi Bank, Shivaji Chowk, Solapur 413001 [☎: 0217 2727707; e-mail: solapurlc@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, Kumudapalli, 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]

Metallurgical & Mater. Engg. Division

Thirty-second National Convention of Metallurgical & Materials Engineers on **“Advances in Engineering Materials for Sustainable Development”**
Jamshedpur, January 18-19, 2019
The Honorary Secretary, IEI, Jamshedpur Local

Centre, Subarnarekha Link Sakchi, Jamshedpur 831 001 [☎: 0657-2234316; Fax: 0657-2230159; e-mail: jamshedpurlc@ieindia.org]

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]

Textile Engineering Division

Thirty-second National Convention of Textile Engineers on **“Technology Innovations and Value Added Products in Textile Supply Chain”**
Coimbatore, January 04-05, 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 **“Diversity in Handlooms and Textiles and Global Trends in Fashion and Clothing”**
Hyderabad, February 08-09, 2019

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

Interdisciplinary

All India Seminar on **“Problem of Mechanization in Sand Mining and Methodologies to be adopted for Environmentally Sustainable Mining of Sand from Rivers”**

Ranchi, January 12-13, 2019
The Honorary Secretary, IEI, Jharkhand State Centre, Engineers Bhawan, Nepal Kothi Campus, Doranda, Ranchi 834002 [☎: 0651-2491334; e-mail: jharkhandsc@ieindia.org; website: www.ieijsc.org]

One Day Seminar on **“Role of Engineers in Development of Technologies for a Better Quality of Human Life”**

Ranchi, March 09, 2019
The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, Doranda, Ranchi 834002 [☎: (0651) 2491344; e-mail:jharkhandsc@ieindia.org; website: www.ieijsc.org]

International Conference, West Bengal

‘Emerging Technologies for Sustainable and Intelligent HVAC&R Systems’

West Bengal State Centre of the Institution in collaboration with Indoor Air Quality Association, USA and Institute of Mechanical Engineers, London and in association with MCKV Institute of Engineering, Howrah and Indian Society of Heating, Refrigeration and Air Conditioning Engineers, Kolkata Chapter, India organized International Conference on ‘Emerging



Technologies for Sustainable and Intelligent HVAC&R Systems’ under the aegis of Interdisciplinary Coordination Committee (ICC) of IEI during July 27-28, 2018 at Kolkata. Mr Didier Coulomb, Director General of International

Institute of Refrigeration, France, who is an internationally recognized personality in the field of Refrigeration Technology for Environment and Energy savings, graced the occasion as the Chief Guest and spoke about the need for environment protection. He explained the global scenario, with particular reference to developing economies such as India and China. Mr Sisir Kumar Banerjee, President IEI; Mr Yatish Kumar, CMD, Braithwaite & Co. Ltd, and Mr Manoj Chakraborty, Principal Consultant, Engineering Consultancy Services, touched upon various issues and development in HVACR in India & abroad during the inaugural session which helped in setting the tone for the subsequent deliberations. Other speakers namely, Mr Kashmir Lal Mallik, Chairman of the Centre; Prof Parasar Bandyopadhyay & Prof Samir Kumar Saha, Working Chairman of the Conference & Chairman Technical Committee respectively, addressed the Conference. Mr Ranjan Dutta, Organizing Secretary of the Conference and Honorary Secretary of the Centre proposed the vote of thanks. The keynote addresses delivered by the personalities on various sub-themes during technical sessions of the Conference included Prof T Agmi Reddy of Arizona State University, USA; Dr Suvojit Ghosh from McMaster University, Canada and Mr Indrajit Purkayastha, CEO & Co-founder of Purkay Lab, Boston USA. Dr Souvik Bhattacharya, Vice Chancellor of BITS, Pilani, spoke on academic leadership in the context of building world class institutions.

One Day Seminars/Workshops Conducted by Various Centres of IEI

Contd. from page 10

Durgapur. Dr K Mishra, Director, NSHM Knowledge Campus, Durgapur and Prof G K Mahanti, Department of Electronics & Communication Engineering, NIT Durgapur graced the occasion as Chief Guest and Guest-of-Honour respectively.



Durgapur Local Centre of the Institution organized One day Workshop on 'Solar Power Challenges and Innovation' under the aegis of Electrical Engineering Division of IEI on October 6, 2018 at Durgapur.

Dr C T Bhunia, former Director, NIT Arunachal Pradesh graced the occasion as Chief Guest and addressed the gathering. Dr P K Sinha, Principal, DIATM and Mr T Karmakar, former Deputy General Manager, SAIL- Durgapur Steel Plant graced the function as Guests-of-Honour. Keynote speaker for Workshop was Mr Goutam Mattagaj, Managing Director, Brighter Globe Solar Solution, Baripada, Odisha.

Durgapur Local Centre of the Institution organized One day Seminar on 'Awareness of Swachh Bharat Abhiyan - Swachh Sarbakhyan 2018' under the aegis of Interdisciplinary Coordination Committee (ICC) of IEI on November 16, 2018 at Durgapur. Mr S K Srivasta, Director, National Power Training Institute (ER) graced the occasion as Chief Guest, Dr Krishana Rai, Mr Kazi Nizamuddin, HM, Bijra High School & Dr K Mishra, Director, NSHM Knowledge Campus graced the function as Guests-of-Honour. Mr Arijit Chakraborty, Assistant Director, Field Outreach Bureau, Bardhaman also participated in the programme.



South Gujarat



South Gujarat Local Centre of the Institution in association with Civil Engineering Department, Shree Swami Atmanand Saraswati Institute of Technology, Surat organized One day Seminar

on 'River Hydraulics & Water Resources Management' under the aegis of Civil Engineering Division of IEI on October 19, 2018 at Surat. Dignitaries spoke on the occasion included Prof P L Patel, Civil Engineering Department, SVNIT, Surat, and Dr S D Shah, Associate Professor, Civil Engineering Department, MSU, Vadodara, Prof S M Yadav, Head, Civil Engineering Department, SVNIT, Surat, Dr N D Sharma, Principal, GIDC Degree Engineering College, Navsari and Prof Darshan J Mehta.

Visakhapatnam

Visakhapatnam Local Centre of the Institution in association with RINL, Vizag Steel Plant, Visakhapatnam, organized One day Workshop on 'Basics of Mechanical Maintenance & Safety Aspects' under the aegis of Mechanical Engineering Division of IEI on October 22, 2018 at Visakhapatnam. Mr C V S P Varma, Assistant General Manager (Training), RINL, Vizag Steel Plant, Visakhapatnam, spoke on the occasion.



Vice President Inaugurates New Library Block of Kochi Local Centre of IEI



Mr P Rajamani, Vice President, IEI inaugurated new Library Block of Kochi Local Centre of the Institution on October 21, 2018. Mr N Paul George and Mr T P Raveendran, Chairman and Honorary Secretary of Kochi Local Centre respectively were also present on this auspicious occasion.

IEI NEWS

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