



IEI NEWS

July 2022

Engineering Contracts -
Avoidance of Disputes
for Harmonious Growth

3

Reports of World
Environment Day 2022

4

World Telecommunication
and Information Society
Day 2022

8

Reports of World
Water Day 2022

12

News in Brief

17

IEI Diary

20

A CENTURY OF SERVICE TO THE NATION

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Number 4

6th fib International Congress 2022 Oslo Norway

The 6th fib International Congress 2022 was held during 12-16 June 2022 in Oslo, Norway with about 500 participants from 41 countries. It was organized by the fib Norwegian Delegation. The Organizing Committee was chaired by Dr Tor Arne Martius Hammer and included Henny Cathrine Braarud, Cecilie Hagby, Siri Engen, Andreas Sjaastad, Terje Kanstad, Jan E. Hjelle, and Trygve Isaksen.



The fib Congress is strongly driven by the need of innovation in order to meet the ambitious global goals of a sustainable society such as energy saving, reduced CO₂-emission and use of resources, efficient construction

and higher performance to lower cost as well as other sustainability aspects.

Contd. on page 3

IEI Technical Webinar under the aegis of Mechanical Engineering
Division Board

The Energy Transition - A South Asia & Australian Perspective on the Growing Need for Decarbonisation and Role of Global Finance, Policy & Technology as Accelerator

West Bengal State Centre, IEI organized Technical Webinar on the theme **The Energy Transition - A South Asia & Australian Perspective on the Growing Need for Decarbonisation and Role of Global Finance, Policy & Technology as Accelerator** under the aegis of Mechanical Engineering Division Board, IEI on 30 June 2022. Theme Speaker of the Webinar Session, Mr Tim Buckley, Director, Climate Energy Finance, Australasia delivered his presentation on the topic 'The Energy Transition: An India-Australia Perspective' and shared his views and thoughts with the virtual audience.



Mr Tim Buckley

Mr Bhaskar Dutta, Business Consultant & Vice President (Retd), Thyssenkrupp Industries and Convener, Mechanical Engineering Division, West Bengal State Centre, IEI shared his views on energy transition with the audience and introduced the Theme Speaker. Mr Anirban Datta, Chief Technology Officer, MESCIA Engineers and Joint Honorary Secretary, West Bengal State Centre, IEI was the moderator of the

Contd. on page 2

From the President's Desk.....



Appropriate policies and practices for skills development are considered to be a prime mover in developing sustainable infrastructure. When the countries formulate strategies to recalibrate their growth models to consolidate their positions in the global economy, availability of a highly skilled and technically qualified human resource base will be a crucial determinant of success. With the objective of gaining higher market shares and competitive advantage in higher-order manufacturing and services, governments and other stakeholders are emphasizing on technical and scientific capacity building. The pandemic has ushered in a scenario, when the workers across different industries are trying to figure out how they can adapt to rapidly changing conditions, and companies have to learn to map the skills of these workers to new roles and activities. To meet these unforeseen challenges, companies have crafted talent strategies that develop employees' critical digital and cognitive capabilities, their social and emotional skills, and their adaptability and resilience.

Moreover, workforce, capital and technology are the three principal components, which have significantly contributed during industrial revolution. The fourth industrial revolution is poised to transform engineering, banking on breakthrough digital technologies and will accelerate the requirement for upskilling and reskilling of manpower in order to enable them deliver new range of products and services. As a result, manufacturing and service sector require new skill sets on new domains, which include Artificial Intelligence, Industrial Internet of Things, Quantum Information Technology, Data Science & Business Analytics, Cyber Security, application of Green Energy etc. Moreover, organisations are constantly focusing on continuous training and learning to ensure that workforces emerge more competent and stay relevant in the coming years.

The National Skill Development Corporation, Government of India has launched the Skill India Mission, where number of vocational training and certification programs are available, which provide better placement opportunities for the youth. The National Skill Development Forum, the autonomous Forum of IEI is engaged with regular activities for enhancing

Contd. on page 2

The Energy Transition - A South Asia & Australian Perspective on the Growing Need for Decarbonisation and Role of Global Finance, Policy & Technology as Accelerator

Contd. from page 1

event. The programme was started with the welcome address delivered by Dr Nirmal Das, Chairman, West Bengal State Centre, IEI. Mr Sandip Kumar Deb, Vice President, IEI attended the webinar and addressed the august audience. Dr G Ranganath, Chairman CATE, IEI in his address mentioned that the global energy perspective provides insights into the longer-term trends that will continue to be essential in shaping future energy systems

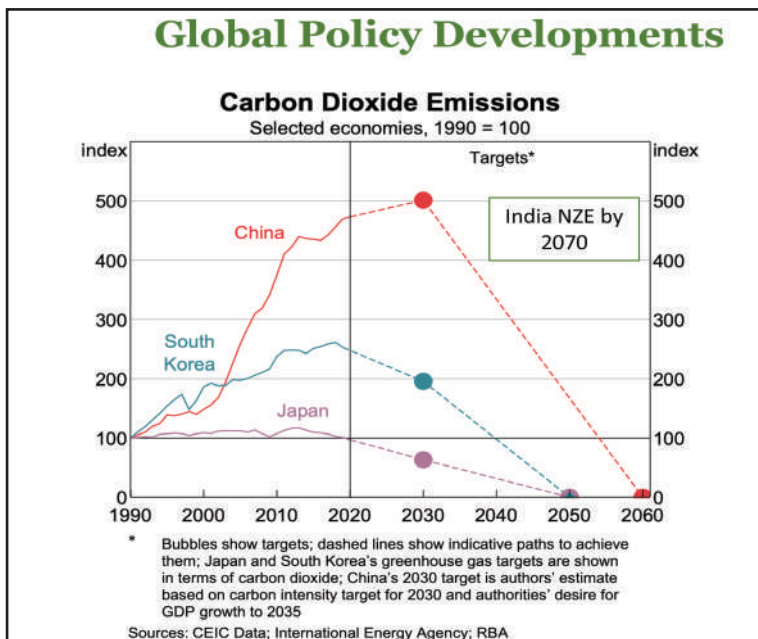


Mr Bhaskar Dutta

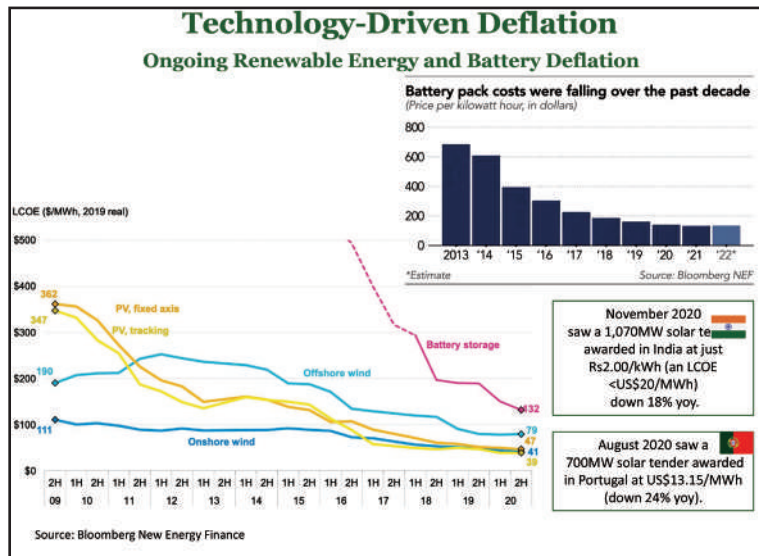
and further opined that the emerging energy system must promote resilient economies and societies for a more inclusive and equitable world. Dr Enti Ranga Reddy, Chairman, Mechanical Engineering Division Board focused on the need for energy revolution based on renewables and energy efficiency to accelerate the economic progress and development and also to slash emissions that are rapidly warming our planet. He felt that energy transition be no longer

limited to incremental steps; It must become a transformational effort, a system overhaul, based on the rapid upscaling and implementation of all available technologies to innovate for the future.

Mr Tim Buckley in his lecture, discussed on the accelerating global energy transition, that is driven by the convergence of number of factors, namely technology-driven deflation in renewable, global policy developments in decarbonization, CO₂ pricing, global finance zero emissions and capital science. He explained global policy development about net zero emission, net zero banking allowance and discussed, how climate transition contributes in investment opportunity. He further spoke on the investment strategies in oil and gas industry and added that from global power sector



Courtesy: Mr Tim Buckley



Courtesy: Mr Tim Buckley

perspective, share of thermal power is small and solar PV is the leading power sector investment, with positive implications for transmission and distribution networks with acceleration in battery energy storage. He also discussed the investment scenario in renewable energy sector from global perspective. Mr Buckley deliberated on the electricity capacity and generation in India including installed electricity capacity, status of energy transition and renewable energy in power sector etc. He stated that capital flow, underpinning the energy transformation includes the zero inflation indexation and its subsequent transformation to the optimized cost of energy. He highlighted the significant capacity building phenomenon in the renewable and grid infrastructure sectors with a deepening effect in engineering, procurement, construction, management and financing capacity across India. He also spoke on industry-energy-transport convergence and global investor demands and advancement in the production of green hydrogen.



Mr Anirban Datta

Mr Bhaskar Dutta emphasized upon the need of formulating the energy transition policy based on dynamics of respective countries and economies, and mentioned that for a country like India, formulation of the transition policy requires deep focus on the growing per cap. Moderator of the Session, Mr Anirban Datta, while summing up the deliberation of the session, mentioned that energy transition towards renewables and phasing out fossil fuels for both India and Australia need in-depth attention, as energy economics of these two nations are primarily dependent on coal. He also pointed out that there should be clear and distinctive shares of investments for decarbonization and carbon capturing, for both India & Australia and opined for more thrust towards use electric vehicle and production of green steel. An interactive session was held at the end of the webinar. Dr Raju Basak, Honorary Secretary, West Bengal State Centre, IEI proposed the vote of thanks.

From the President's Desk.....

Contd. from page 1

skills and competencies of the serving engineering professionals and working executives including capacity building, quality training in emerging and evolving cutting edge technologies by means of formalised structure for cohesive, synergistic efforts in the domain of skill development in IEI.

It is my earnest appeal to all State and Local Centres of the Institution for organizing technical activities on this emerging topic, and keep our members updated about the latest technological development.

Engineering Contracts - Avoidance of Disputes for Harmonious Growth

Telangana State Centre of the Institution organized a One Day Seminar on the theme **Engineering Contracts - Avoidance of Disputes for Harmonious Growth** on 20 June, 2022 under the aegis of Interdisciplinary Coordination Committee, IEI. Mr B Vinod Kumar, Hon'ble Vice Chairman, Telangana State Planning Board, Government of Telangana graced the function as the Chief Guest and Mr N Venkateshwarlu, Engineer-in-Chief, Kaleshwaram Project, Telangana State graced the occasion as Guest of Honour. Chief Guest, Mr B Vinod Kumar, in his address stated that engineering contractors play a pivotal role for infrastructural development and generation of revenue for the Nation. He stressed on the need for more transparency and understanding between engineering wings of Government and contractors to avoid cost escalation and delay in completion of projects. In India, the construction industry is the second largest next to agriculture, which consists of construction of highways, roads real estate development etc, he added. Mr Kumar emphasized on the fact that apart from the engineering curriculum and technical skills, engineers require the basic understanding and concept on contracts laws and arbitration to avoid disputes. Guest of Honour, Mr N Venkateshwarlu shared his views and thoughts with the august audience regarding the execution of Kaleshwaram Project. A Technical Souvenir was released on the occasion in the august presence of the dignitaries on the dais. During the technical session, papers were presented on diversified topics embracing

the theme of the Seminar, which include; Arbitration and Conciliation Act, 1996 - Its Relevance to Speedy Justice and Cost Effectiveness in Dispute Resolution; Ambiguities in Engineering Contracts; Probable Measures to Minimize Claims in Construction Projects; Disputes on Delays, EOT Related Issues; Challenges of Smart Contracts in Indian Construction Industry; Different issues in Engineering Contracts, Arbitration, Contract Risk Management; Allocation of Operational Risks in Indian Contracts &



Disputes; Principles and Practice of Natural Justice in Techno-Commercial Arbitration etc. During the Valedictory Function, Dr P Bhaskara Mohan, Judicial Member (Jaipur Bench) and HOD NCLT graced the occasion as Chief Guest. Earlier, Mr B Brahma Reddy, Chairman, Telangana State Centre, IEI delivered the welcome address. At the end of the session, Dr G Venkata Subbaiah, Honorary Secretary, Telangana State Centre proposed the vote of thanks.

6th fib International Congress 2022, Oslo, Norway

Contd. from page 1

The event was attended by IEI delegation comprising Mr Sisir Kumar Banerjee, Past President, IEI & Co-chair, IMC-fib and Mr Surya Prakash P, Council Member, IEI & Member, IMC-fib. Mr Umesh Kondiba Rajeshirke, Member, IMC-fib also attended the event at his own expense.



Dr Martius Hammer officially declared the Congress open on Monday 13 June. fib President, Dr Akio Kasuga discussed the fib and its role, before announcing the fib Awards 2022. A Welcome Address for the delegates was delivered by Raymond Johansen, Governing Mayor of Oslo. The opening session also included the fib 2022 Keynote delivered by Andrew Minson,

Concrete and Sustainable Construction Director.

There were about 300 oral presentations during the parallel technical sessions chaired by authorities in the field of structural engineering. The sessions were broadly on the areas of (1) Concrete Materials & Durability, (2) Structural design, Material Models, (3) Construction Methods, (4) Innovative Case Studies, (5) Concrete materials, Eco-efficiency, (6) Innovative materials and concretes, (6) Model Code 2020 & Innovations in Standards, (7) Structural design, Performance based specifications, (8) Service Life, (9) Recycling & Carbon Fiber RC, (10) Innovative materials &

Test Methods, (11) Innovation in Standards & Structural and Conceptual design, (12) Safety and Reliability and (13) Post Tensioning.

Three fib 2022 Keynotes were delivered on 15 June 2022 by Arianna Minoretti, Chief Engineer at Technology and Development Department, Norwegian Public Road Administration, Dr Morten Engen, Adjunct Ass. Prof., Department of Structural Engineering, NTNU & Multiconsult and Steinar Helland, Chief Advisor, S Helland Konsult. The program for the day concluded with Conference dinner with fib Awards and Announcement of the 7th fib Congress. The fib Awards for Outstanding Concrete Structures are attributed every four years at the fib Congress, with the goal of enhancing the international recognition of concrete structures that demonstrate the versatility of concrete as a structural medium. In this connection it is worthwhile to mention here that (1) Narendra Modi Stadium (Gujarat Cricket Association), Ahmedabad, India and (2) Statue of Unity (Sardar Vallabhbhai Patel Rashtriya Ekta Trust) constructed by Larsen & Toubro Limited featured under the nominees for the Award.

The presentation of National Report prepared by IMC-fib was made by the IEI delegation on 16 June 2022 and the report has now been uploaded by the fib Secretariat and is available on the link <https://fr.calameo.com/fib-international/read/00615065989ebdc912474>.

The report has been prepared compiling information on remarkable concrete structures prepared during the last four years with inputs from major construction industries across the country.

The Closing Ceremony started with fib President Dr Kasuga's presentation. It was followed by short presentation about the next fib events. Prof Alper Ilki introduced the fib Symposium 2023 in Istanbul, Prof Alessandro Palermo remotely presented the fib Symposium 2024 in Christchurch, and Engineer Rayed Alarashi introduced the next fib Congress, which will take place in Abu Dhabi in 2026. Dr Martius Hammer thanked the organizers for coordinating the Congress and the participants for attending the Congress in person, presenting their latest research, and sharing their experience.

IEI Celebrates

World Environment Day 2022

Theme : **Only One Earth**

World Environment Day was celebrated by the Centres of the Institution all over the country on 5 June, 2022. Brief accounts of the celebration as received from various Centres are reported hereunder.

STATE CENTRES

Gujarat

Gujarat State Centre, IEI observed World Environment Day on 05 June 2022 at Ahmedabad. Keynote Speaker of the event, Dr Ashish Unnarkat, Assistant



Professor, Chemical Engineering Department, Pandit Deendayal Energy University, Gandhinagar delivered lecture on the topic 'Innovative Approaches towards Sustainable Energy and Environment' and focused on Evolutionary Engineering, explained wind tree, solar tree,

biodegradable packaging material, recycled plastic tiles etc. Dr K D Yadav, Associate Professor, Environmental Engineering Department, SVNIT, Surat explained the effect of living and non-living things on human life. Earlier, Mr Pravinkumar Mohanbhai Chaudhari, Chairman, Gujarat State Centre, IEI gave welcome address and deliberated on the theme. At the end, Mr Dineshchandra Odhavjibhai Nakrani, Honorary Secretary, Gujarat State Centre, IEI proposed the vote of thanks.

Karnataka

Karnataka State Centre, IEI observed World Environment Day on 6 June 2022 in hybrid mode. Keynote Speaker, Dr M R Patil, Professor, BVB Engineering College, Hubli briefed on sustainable development and its significance and mentioned three pillars of sustainable development, namely people, planet/environment and profit/economy. Earlier, Mr M Lakshmana, Chairman, Karnataka State Centre, IEI delivered the welcome address. Dr Enti Ranga Reddy, Honorary Secretary, Karnataka State Centre, IEI proposed the vote of thanks.



Madhya Pradesh

Madhya Pradesh State Centre, IEI observed World Environment Day on 05 June 2022 in virtual mode. Guest Speaker, Dr M K Goyal, Professor and Dean of Infrastructure Development, Department of Civil Engineering, IIT Indore deliberated on the topic 'Impact of Climate Change on Earth'. Dr Anil Kumar Sharma, Professor, Department of Civil Engineering, MANIT Bhopal deliberated on the topic 'Vehicular Air Pollution and Its Control' and briefed about the effect of harmful vehicular exhaust on the environment, human health and the ecosystem as a whole and added that vehicular pollution

becomes a serious problem due to rapid urbanisation in India. Mr Vivek Ranjan Shrivastava, Retd Chief Engineer Civil, M P Poorv Kshetra Vidyut Vitran Company, Jabalpur spoke on the topic 'Earth and Environment'. Earlier, Mr Rajesh Bisaria, Chairman, Madhya Pradesh State Centre, IEI welcomed the guest speakers and dignitaries. The event concluded with vote of thanks by Mr Avinash Chandra, Honorary Secretary, Madhya Pradesh State Centre, IEI.

LOCAL CENTRES

Agra



Agra Local Centre, IEI, in association with The Institute of Engineering and Technology (IET), Dr B R Ambedkar University, Khandari Campus Agra observed World

Environment Day on 06 June 2022 at Agra. Dr Rajesh Lavania, IET Khandari in his address emphasized on plantation of more trees. Dr Ashok Yadav, Chairman, Agra Local Centre, IEI delivered the welcome speech. Mr Devendra Singh Chaudhary, Honorary Secretary, Agra Local Centre, IEI proposed the vote of thanks.

Ahmednagar

Ahmednagar Local Centre, IEI observed World Environment Day on 06 June 2022 in online mode. Speaker, Dr Dipak Ashok Jadhav, Research Professor, Department of Environmental Engineering, College of Ocean Science and Engineering, Korea Maritime and Ocean University (KMOU), South Korea delivered presentation on 'Sanitation Improvement and Energy Recovery through Adapting Advanced Bioelectric Toilet Systems' and presented his research on energy harvesting from human waste by modifying the present toilet systems. He also explained microbial fuel cell (MFC) technology for wastewater treatment along with energy recovery, which is a bioreactor that convert chemical energy to electrical energy through catalytic reactions of microorganisms under anaerobic conditions. He further discussed the working principle of bioelectric toilets and bioelectricity generation. Earlier, Mr Manohar Mukund Anekar, Chairman, Ahmednagar Local Centre, IEI welcomed all and deliberated on the role of engineers in creating new technology and appealed to engineers to make the earth pollution free. At the end, Mr Abhay Krishnarao Raje, Honorary Secretary, Ahmednagar Local Centre, IEI, proposed the vote of thanks.

Anpara

Anpara Local Centre, IEI observed World Environment Day on 05 June 2022 at Anpara. Chief Guest, Mr Ajai Kumar, General Manager, Anpara 'A' Thermal Project, Anpara emphasized on more awareness among the people to reduce air and water pollution and subsequent rejection of plastic made objects in the daily life. He further stressed on leaning towards eco-friendly alternatives to overcome these challenges. Mr Pratul Kumar Gupta, General

Manager (Civil), Anpara 'A' Thermal Project graced the function as Guest of Honour. Keynote addresses were delivered by Smt Aradhana Singh, Grasim Industries Limited, Renukoot and Dr P Bala Ramudu, Associate Professor, Department of Civil Engineering, IIT BHU. Mr Rana Pratap Mall, Superintending Engineer, Obra Thermal Power Plant; Prof Prabhat Kumar Singh Dixit, Department of Civil Engineering, IIT BHU; Mr Manmohan Mishra, DFO, Sonbhadra were also present in the function.

Bathinda

Bathinda Local Centre, IEI observed World Environment Day online on 06 June 2022. Prof (Dr) T S Kamal, former Vice President, The Institution of Engineers (India) & Former Chairman, Electronics & Telecommunication Engineering Division Board, IEI graced the function as Chief Guest and Dr Labh Singh, Former Advisor to DoT, Government of India graced the function as Guest of Honour. Keynote Speaker, Dr Harjinder Singh Rose, Former Pro-Chancellor, Guru Kashi University, Talwandi Sabo, Professor, Punjabi University Patiala & Lovely Professional University and Former Director, Shaheed Udham Singh Group of Institutions, Mohali explained about deforestation, loss of biodiversity, impact of food chain, destruction of ecosystem due to deforestation and increased population etc. Dr Manpreet Kaur, Electronics and Communication Engineering Department, Yadavindra College of Engineering, Talwandi Sabo moderated the session. Earlier, Prof (Dr) Jagtar Singh, Chairman, Bathinda Local Centre, IEI welcomed the dignitaries and the participants.

Bhimavaram

Bhimavaram Local Centre, IEI observed World Environment Day on 05 June 2022 at Bhimavaram in hybrid mode. A tree plantation programme was



organised on the occasion, where Dr M Jagapathi Raju, Principal, SRKR Engineering College, Bhimavaram graced the function as Chief Guest. A webinar was also organised, when Mr K Venkateswara Rao, Environmental Engineer,

Andhra Pradesh Pollution Control Board was the Chief Guest. Earlier, Mr Vegesna Kasi Viswanadha Raju, Chairman, Bhimavaram Local Centre welcomed all. Prof (Dr) K Brahma Raju, Council Member, IEI was present on the occasion. Dr Karanam Suresh Babu, Honorary Secretary, Bhimavaram Local Centre, IEI mentioned the importance of environment day and thanked the Chief Guests, dignitaries and attendees.

Bokaro Steel City

Bokaro Steel City Local Centre, IEI observed World Environment Day on 05 June 2022 at Bokaro. Chief Guest, Mr Rakesh Kumar, Chief General Manager, Coke Oven & Bye Product Plant, SAIL, Bokaro Steel Plant deliberated on the conservation of natural resources available on earth. He suggested consumption of raw materials that are being used for making steel can be reduced by adopting 3 R, i.e. reduce, recycle and reused, for conservation of natural resources as well as preservation of environment. Guest of Honour of the event, Mr Lamboodar Updhyay, General Manager, Water Management, SAIL, Bokaro Steel Plant emphasized on adoption of zero water discharge technology for steel making. Mr Y N Singh, Immediate Past Chairman of the host Centre welcomed the dignitaries on the occasion and deliberated the importance of World Environment Day.

Coimbatore

Coimbatore Local Centre, IEI in association with Department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore observed World Environment Day through online mode on 08 June 2022. Guest of Honour, Prof Manish Kumar Goyal, Professor and Dean of Infrastructure Development, Department of Civil Engineering, IIT Indore explained availability, depletion and measures to control depletion of water

resources. Guest Speaker of the event, Mr G Sundarrajan, Environmentalist, Poovulagin Nanbargal explained environmental issues related to xenobiotic components, biodiversity and climate changes. Earlier, Prof (Dr) S Shanmugam, Chairman, Coimbatore Local Centre, IEI welcomed the speakers and the participants. At the end, Dr J Krishnamoorthi, Honorary Secretary, Coimbatore Local Centre, IEI proposed the vote of thanks.

Dhanbad

Dhanbad Local Centre, IEI in association with Department of Environmental Science and Engineering, IIT ISM Dhanbad IEI observed World Environment Day on 06 June 2022 at Dhanbad. Dr Gurdeep Singh, Professor, Department



of Environmental Science and Engineering, IIT ISM Dhanbad graced the function as Chief Guest. Prof Biswajit Paul, Professor, Department of Environmental Science and Engineering, IIT ISM Dhanbad delivered lecture on 'Climate Change

Mitigation in Mining Areas by Land Reclamation, Fly-Ash Utilization, Mine Fill, Mine Closure'. Prof Paul, who is also the Joint Honorary Secretary of Dhanbad Local Centre, IEI, proposed the vote of thanks.

Durgapur

Durgapur Local Centre, IEI observed World Environment Day on 05 June 2022 in virtual mode. Chief Guest, Mr Bhaskar Dutta, Business Consultant and Former Vice President, Thyssenkrupp Industries, Kolkata mentioned the link between environment with climate change and the effect of climate change in the arctic region. Guest of Honour, Dr Dipankar Das, Scientist & Incharge, Durgapur Regional Laboratory, West Bengal Pollution Control Board, Durgapur briefed about environmental pollution, natural resource exploitation, marine pollution and climate change which effects the depletion of flora and fauna. Speaker of the event, Dr Pratap Kumar Padhy, Professor & Head, Department of Environmental Studies, Visva Bharati University, Santiniketan advocated raising of awareness about the degradation of environment and encouraging people for a better future through initiating fruitful actions. Mr M K Biswal, Immediate Past Honorary Secretary, Durgapur Local Centre moderated the session. Earlier, Mr Safikul Islam, Chairman, Durgapur Local Centre, IEI welcomed the guests and the participants on the event. At the end, Mr Manas Majumder, Honorary Secretary, Durgapur Local Centre, IEI proposed the vote of thanks.

Faridabad

Faridabad Local Centre, IEI observed World Environment Day in hybrid mode on 04 June 2022 at Faridabad. Chief Guest, Dr P K M K Das, Expert Member, River Yamuna Monitoring Committee, appointed by NGT, spoke on pollution



monitoring and control measures in River Yamuna. Speakers of the event, Mr Sushil Bajaj, Past Honorary Secretary, Faridabad Local Centre, IEI and Consultant (Engg) Artech, Faridabad mentioned six types of

pollution, namely water, soil, noise, radioactivity, light and thermal reactions which affects the environment, make human life unhealthy. He also explained major reasons of soil degradation, namely erosion, overgrazing, over exposure to pollutants, monoculture planting, soil compaction etc. He spoke on technologies to minimize soil degradation, more use of sustainable source of energy, using biodegradable packaging materials etc. Dr Jyoti Chawla, Associate Professor and Head, Department of Chemistry, Manav Rachna International Institute of Research & Studies Faridabad (MRIIRS) stressed on development of standard procedure for toxicity tests and toxic effects of solvents, development of simple, reliable, economic

and rapid methods to detect the emerging contaminants etc. Ms B K Poona, Rajyoga Meditation Teacher stressed on saving environment by keeping the surrounding clean, plantation of more trees, conservation of water bodies, etc. Dr Sarita Sachdeva, Professor, Department of Biotechnology & Executive Director & Dean Research, MRIIRS, Faridabad emphasized on living within planetary boundaries to ensure healthy future. Mr Inderdeep Singh Oberoi, Director, A D Global Synergies Private Limited moderated the session and focussed on massive deforestation that cause environmental change. Earlier, Mr Sandeep Handa, Chairman, Faridabad Local Centre, IEI welcomed the Chief Guest, speakers, dignitaries and participants and also spoke on theme. At the end, Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre, IEI proposed the vote of thanks.

Ghaziabad

Ghaziabad Local Centre, IEI observed the World Environment Day 2022 on 07 June 2022 at Ghaziabad. Chief Guest, Mr Rakesh Khare, Former Executive Director, THDC India Limited spoke on environmental pollution, land degradation, loss of biodiversity, ozone depletion, climate change and loss of natural and cultural resources and stressed on saving the environment in terms of the 3R (reduce, reuse and recycle) philosophy. He also spoke on water preservation, energy conservation and organic farming. Guest of Honour and Keynote Speaker, Prof Virendra Nath Grover, Founder, Udyog Sanchetana stressed on more plantation and protection of trees and organising awareness programmes. Mr Nitin Sharma, Environmentalist, Ghaziabad addressed the august audience as a Special Invitee. Earlier, Mr Raghunandan Prasad Sharma, Chairman, Ghaziabad Local Centre delivered the welcome address. Mr Ashok Kumar, Honorary Secretary, Ghaziabad Local Centre proposed the vote of thanks.

Gorakhpur

Gorakhpur Local Centre, IEI observed World Environment Day on 06 June 2022 at Gorakhpur and a Seminar was organized on the occasion. Keynote Speaker was Mr Mahadev Pandey, Scientific Officer, Regional Science & Technology Council, Uttar Pradesh and Incharge - Veer Bahadur Singh Planetarium, Gorakhpur. Mr Dharendra Chaturvedi, Chairman, Gorakhpur Local Centre, IEI welcomed the speaker and audience. Mr Ved Prakash Gupta, Honorary Secretary, Gorakhpur Local Centre, IEI

spoke on global warming, green house gas emissions etc and at the end of the session, proposed the vote of thanks.

Gwalior

Gwalior Local Centre, IEI observed World Environment Day on 05 June 2022 at Gwalior. Mr Vishram Sagar, Additional Principal, Chief Conservator Forest Department, Gwalior, Government of Madhya Pradesh spoke on the importance of forest in human life and mentioned that to maintain the ecological balance, all should come forward to stop deforestation and opt for adequate measures to reduce pollution and wastage. Mr H S Malviya, Regional Officer, Pollution Control Board, Gwalior spoke on prevention of pollution by reducing toxic substances prior to generation, treatment, recycling and disposal. Mr Rajesh Bisaria, Chairman, Madhya Pradesh State Centre stated that the peoples are completely dependent on ecosystems for food and other services but their activities have an adverse impacts on



nature and for the survival of many species. He felt that engineers are the key facilitators for mechanizing and optimizing the flow of resources for a sustainable ecosystem. Earlier, Mr Prabhat Kumar Bhargava, Chairman, Gwalior Local Centre, IEI delivered the welcome address and at the end, Mr P Y Khanwilkar, Honorary Secretary, Gwalior Local Centre, IEI proposed the vote of thanks.

Indore

Indore Local Centre, IEI observed World Environment Day on 05 June 2022 at Indore. Chief Guest of the event, Dr Gautam Kothari, President, Pithampur Ayudhogik Sanghantana explained the need to protect nature and its resources. Guest of Honour, Mr S N Dwivedi, Regional Officer, Madhya Pradesh Pollution Control Board [MPPCB], Indore mentioned the scope of activities undertaken by MPPCB for betterment of environment like treatment plant, air quality monitoring system, etc. Guest of Honour, Mr Rishav



Gupta, CEO, Indore Smart City Development Limited focussed on the contribution of scientists and engineers during pandemic times and appealed to all for rainwater harvesting, more gardening and plantation for betterment

of society. During the technical sessions, three Speakers shared their views: Mr Nihlesh Mathure, Unit Head, Kasypa Sweetners Limited explained the use of hot exhausted gas and prevention of waste; Mr Srikeneshwara, Divisional Manager, Technical Suzlukum Technology Limited explained reduce, recycle and reuse and importance of low water intake; Mr Sameer Sharma, CEO, Swaaha Resource Management Limited strongly advocated for no plastic campaign in our daily life. Earlier, Mr Rajendra Prasad Gautam, Chairman, Indore Local Centre, IEI welcomed all the dignitaries.

Jabalpur

Jabalpur Local Centre, IEI observed World Environment Day on 05 June 2022 in online mode. Guest of Honour, Dr P S Bundella, Regional Officer, Madhya Pradesh Pollution Control Board, Rewa, MP stressed on complete ban on single use plastic and added that burning plastics produces harmful gases which not only pollute the environment but are also harmful for the creature. He appealed to all to raise awareness to reject plastic bags. Prof R K Bhatia, Civil Engineering Department, Jabalpur Engineering College, Jabalpur, while delivering the Keynote address, spoke on the disruption of Earth's ecology and cycle how the climatic change affect the ozone layer and suggested to save the environment through collective effort. Earlier, Mr Prakash Chandra Dubey, Chairman, Jabalpur Local Centre, IEI delivered the welcome address. At the end, Mr Sanjay Kumar Mehta, Honorary Secretary, Jabalpur Local Centre, IEI proposed the vote of thanks.

Kalpakkam

Kalpakkam Local Centre, IEI observed World Environment Day on 16 June 2022 at Kalpakkam. Chief Guest, Dr R Sivacoumar, Chief Scientist, CSIR – National Environmental Engineering Research Institute (NEERI) spoke on the theme and explained earth atmosphere, earth multiple layers, earth as a thermodynamic machine, CO₂ emission, ice melting in Antarctica and methane effect in temperature rise on earth, etc and appealed all to save the earth. Earlier, Mr M Shanmuga Sundaram, Chairman, Kalpakkam Local Centre, IEI delivered the welcome address.



Kancheipuram

Kancheipuram Local Centre, IEI observed World Environment Day on 10 June 2022 at Kancheipuram. Chief Guest, Prof (Dr) Arunthathy, Department of Radiodiagnosis, Saveetha Medical College and Hospital highlighted the importance of environment in our daily life and mentioned that the first World Environment Day was held on the theme 'Only One Earth'. Prof (Dr) V Muthukumar, on behalf of Kancheipuram Local Centre, IEI introduced the Speaker.



Kanpur

Kanpur Local Centre, IEI, in association with Department of Civil Engineering, Harcourt Butler Technical University, [HBTU] Kanpur observed World Environment Day on 05 June 2022 at Kanpur. Chief Guest, Mr B V Tomar, Former Chief Engineer, U P Power Transmission Corporation Limited mentioned that it is our responsibility to maintain the harmony in nature with plants, animals and habitats. Guest Speaker of the event, Mr Jaiprakash Nayak, Assistant Professor, Department of Civil Engineering, HBTU, Kanpur in his theme lecture explained that environmental education is a process



which allows individuals to explore environmental issues, getting engaged with problem solving to improve the environment and as a result, individuals develop deep understanding of environmental issues and skills to take responsible environmental decisions and policy formulation. Prof (Dr) Pradeep Kumar, Former Chairman, Kanpur Local Centre was present on the occasion and organised the function. Mr Vivek Asthana, Chairman, Kanpur Local Centre, IEI welcomed all and spoke briefly on environmental pollution. At the end, Mr Rama Kant Yadav, Honorary Secretary, Kanpur Local Centre, IEI proposed the vote of thanks.

Kanyakumari

Kanyakumari Local Centre, IEI observed World Environment Day held on 06 June 2022 through online platform. Keynote Speaker, Dr I Jessy Mol, Assistant Professor and HoD, Civil Engineering Department, St Xaviers Catholic College of Engineering, Nagercoil, Kanyakumari spoke on environmental pollution over population, deforestation, forest fire, plastics issues, ozone layer depletion, global warming, greenhouse effect etc. She mentioned the effect of acid rain, which is a pollutant that affects aquatic life, trees and buildings. She further spoke on water pollution, marine pollution, land pollution, global warming, rain forest destruction and added that construction of dams destroy forest, uproot thousands of people from their land. She suggested that eco-tourism and environment friendly tourism should be cultivated and also spoke on preventive measures to minimize the environmental problems like stop burning non-biodegradable waste, keeping environment clean; plantation of more trees to stop deforestation, etc. Earlier, Dr S Arumuga Perumal, Chairman, Kanyakumari Local Centre, IEI welcomed the Keynote speaker and the audience. Mr S Natarajan, Honorary Secretary, Kanyakumari Local Centre, IEI felicitated the speaker and dignitaries and at the end of the session, proposed the vote of thanks.

Kollam

Kollam Local Centre, IEI observed World Environment Day on 04 June 2022 at Kollam. Chief Guest, Mr Sridhar Radhakrishnan, Environmentalist spoke on the topic 'Only one Wounded Earth – The Challenges is to Heal' and

emphasized about the importance to endure the environment to sustain the lives in nature. Mr Biju B, District Environmental Engineer, Kerala Pollution Control Board, Kottayam delivered Expert lecture on the topic 'Public Participate Model in Environmental Conservation'. Earlier, Dr (Prof) Ms Sheeba R, Honorary Secretary, Kollam



Local Centre, IEI delivered the welcome address. Mr K Rajan, Chairman, Kollam Local Centre, IEI chaired the session and addressed the gathering.

Kota

Kota Local Centre, IEI observed World Environment Day on 05 June 2022 at Kota. Dr Anil Kumar Mathur, Professor & Dean, Faculty Affairs, Rajasthan Technical University, Kota graced the function as Chief Guest and Mr R C Gupta, Former Director, Technical Education, Jodhpur was the Guest of Honour. Keynote Speaker of the event, Mr Mukesh Babu Shukla, Superintending Engineer, River Basin & Water Resources Planning Authority, Government of Rajasthan, Jaipur spoke on the topic 'Living Sustainably in Harmony with Nature'. Earlier, Mr Devendra Kumar Bhargava, Chairman, Kota Local Centre, IEI delivered the welcome address and at the end, proposed the vote of thanks.



Kochi

Kochi Local Centre, IEI observed World Environment Day on 05 June 2022 in online mode. Speaker of the event, Dr E V Ramasamy, Professor & Dean, School of Environment Science, M G University, Kerala stated the historical background of the Day and the importance of the sustainability of Mother Earth. Earlier, Mr Salahudheen P A, Chairman, Kochi Local Centre, IEI welcomed the speaker and at the end, Mr Babu K S, Honorary Secretary, Kochi Local Centre, IEI proposed the vote of thanks.

Madurai



Madurai Local Centre, IEI observed World Environment Day on 11 June 2022 at Madurai. Chief Guest of the event was Mr M Manoharan, Former Joint Commissioner, Tamil Nadu Pollution Control Board,

Madurai. Earlier, Dr N Sivasubramanian, Chairman, Madurai Local Centre, IEI delivered the welcome address and at the end, Prof (Dr) P Udhayakumar, Honorary Secretary, Madurai Local Centre, IEI proposed the vote of thanks.

Muzaffarpur

Muzaffarpur Local Centre, IEI observed World Environment Day on 05 June 2022 in online mode. Chief Guest, Dr Rampravesh Yadav, Head, Department of P G Geography, B R A Bihar University, Muzaffarpur spoke on the theme and stated that 'Only One Earth' slogan motivates the people to save the natural resources of Earth, which leads to a safe and healthy environment for the future generations. Earlier, Mr Anjani Kumar Srivastava, Chairman, Muzaffarpur Local Centre, IEI delivered the welcome address and spoke on the objective of this Day. Mr Sanjay Kumar Chaudhary, Honorary Secretary, Muzaffarpur Local Centre, briefed about the theme and introduced the Chief Guest of the event.

IEI Celebrates

World Telecommunication and Information Society Day

2022

Theme: Digital Technologies for Older Persons and Healthy Ageing

World Telecommunication and Information Society Day was celebrated by the Centres of the Institution all over the country on May 17, 2022. Brief Accounts of celebrations as received from various Centres are given hereunder.

STATE CENTRES

Karnataka

Karnataka State Centre, IEI in association with the IEEE Communication Society, Bangalore Chapter observed World Telecommunication and Information Society Day on 17 May 2022 in hybrid mode. Speaker of the event, Ms Pooja Kadambi, Head of Innovation, DOZEE focused on technology driven healthcare services to improve the requirements of elder people. Dr Sriraam Natarajan, Head of R & D, Ramaiah Institute of Technology; Dr Vijay N Tiwari, Health Technology Lead, SAMSUNG, India and Ms Nidhi Chawla, Co-founder, Silver Talkies shared their views on the theme. Dr Alok Nath De, Council Member and Member, Electronics and Telecommunication Engineering Division Board, IEI, delivered lecture on the topic 'Deconstructing WTISD theme', and explained how digital technology is widely used among senior citizens. Dr Enti Ranga Reddy, Council Member, IEI & Honorary Secretary, Karnataka State Centre was present in the session and addressed the audience. Earlier, Mr M Lakshmana, Chairman, Karnataka State Centre and Council Member, IEI delivered the inaugural address.



Dr Alok Nath De, Council Member and Member, Electronics and Telecommunication Engineering Division Board, IEI, delivered lecture on the topic 'Deconstructing WTISD theme', and explained how digital technology is widely used among senior citizens. Dr Enti Ranga Reddy, Council Member, IEI & Honorary Secretary, Karnataka State Centre was present in the session and addressed the audience. Earlier, Mr M Lakshmana, Chairman, Karnataka State Centre and Council Member, IEI delivered the inaugural address.

Madhya Pradesh

Madhya Pradesh State Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 in online mode. Guest Speaker, Mr Vipul Shrivastava, Assistant General Manager, Bharat Sanchar Nigam Limited, Bhopal, Madhya Pradesh spoke on the role of digital technology for older persons for day-to-day communications. Earlier, Mr Rajesh Bisaria, Chairman, Madhya Pradesh State Centre, IEI, welcomed the Guest Speaker, dignitaries and participants. At the end, Mr Avinash Chandra, Honorary Secretary, Madhya Pradesh State Centre, IEI, proposed the vote of thanks.

Telangana

Telangana State Centre, IEI, in association with The Institution of Electronics and Communication Engineers (IETE) Hyderabad observed World Telecommunication and Information Society Day on 17 May 2022 at Hyderabad. Dr T H Chowdary, Former IT Advisor, Government of Andhra Pradesh (erstwhile) graced the function as Chief Guest and addressed the audience. Dr K Suneetha Reddy, MBBS, DPM, MRCPsych, PG Cert Neuropsychiatry, U.K. delivered lecture on the theme of the Day. Mr Venugopal Subba Rao, Associate VP and Head, Digital Engagement CoE/Incubation Cell, Infosys delivered lecture on 'Metaverse'. Dr K Seetha Ram Babu, Joint Honorary Secretary, Telangana State Centre, IEI, & Convener of the event explained the importance of the Day. Mr K Gnaneshwar Rao, Chairman,



IETE Hyderabad Centre addressed the gathering. Earlier, Mr B Brahma Reddy, Chairman, Telangana State Centre, IEI, welcomed the gathering and presided over the function. At the end, Dr G Venkata Subbaiah, Honorary Secretary, Telangana State Centre proposed the vote of thanks.

LOCAL CENTRES

Agra

Agra Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at BSA College of Engineering & Technology, Mathura. Chief Guest of the event, Smt Krishna Verma, Deputy General Manager, BSNL, Mathura spoke on the development in information and technology and new IT gadgets for making the life of older people easier. Earlier Mr Rajneesh Kumar Yadav, Joint Secretary of the host Centre briefed about 5G technology of mobile communication, supporting people



to a life of healthy ageing, health systems, etc. Dr B D K Patro, Immediate Past Chairman, Agra Local Centre, IEI explained the importance of Computer Science and IoT technology for the older persons and

thus enhancing the sustainability of health systems. Mr Rajneesh Kumar Yadav, Joint Secretary, Agra Local Centre proposed the vote of thanks.

Ahmednagar

Ahmednagar Local Centre, IEI, observed World Telecommunication and Information Society Day 2022 on 17 May 2022 in online mode. Speaker of the event, Prof (Dr) Anita Patil, Head, Department of Electronics & Telecommunication Engineering, Dr Vithalrao Vikhe Patil College of Engineering, Ahmednagar, in her address briefed on the challenges faced by the older persons and added that there is a barrier between technology and the older persons. She further highlighted the increasing trend for the older people in adopting digital technologies and stay connected with friend and family, avail online banking and digital payments, purchase online groceries, read newspapers, and seek medical assistance. Earlier, Mr Sandip Gundecha, Joint Honorary Secretary of the host Centre delivered welcome address. Mr H B Thigale, Past Honorary Secretary introduced the theme and the speaker. Mr Monohar Mukund Anekar, Chairman, Ahmednagar Local Centre, IEI opined to create awareness for the senior citizens about the benefits of digital technologies. At the end, Mr Sandip Gundecha, proposed the vote of thanks.

Anpara

Anpara Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Anpara. Chief Guest of the event, Mr Ajai Kumar, Chief Engineer, 'A', Anpara Thermal Power Project mentioned that the inventions and advancements in information and technology helped the older people to stay healthy, connected and live independently. Guest of Honours of the event were Mr Pratul Gupta, Chief Engineer, and Mr Shashikant Hiroday, Superintending Engineer, Anpara Thermal Power

Project. Keynote address was delivered by Mr Bani Singh, AE, Anpara Thermal Power Project. Earlier, Mr Mukesh Kumar Singh, Immediate Past Honorary Secretary, Anpara Local Centre, IEI welcomed the participants.

Asansol

Asansol Local Centre, IEI, observed World Telecommunication and Information Society Day on 20 May 2022 at Asansol. Chief Guest, Dr Chittajit Sarkar, Associate Professor, Electronics and Communication Engineering Department, Asansol Engineering College, West Bengal emphasized using internet and information communication technologies to bridge the gap of digital divide in the societies and economies. Guest of Honour of the event, Dr Debashis Sarkar, Immediate Past Honorary Secretary, Asansol Local Centre, IEI briefed the role of information and communication technologies during the pandemic times.



Speakers of the event were: Dr Kuntal Ghosh, Associate Professor, Electronics and Communication Engineering Department, Asansol Engineering College; Mr Satyam Sinha, Program Head, Operations, Microsoft Industries; and Mr Nirupam Roy, Department of Management, Dr B C Roy Engineering College, Durgapur. The speakers emphasized that Telecommunications and Information Communication Technologies (ICTs) have an important role in supporting elderly people to stay healthy, connected and independent physically, emotionally and financially. Mr Tarun Tapan Lahiri, Chairman, Asansol Local Centre, IEI addressed the august gathering. At the end, Mr Sumanta Karmakar, Honorary Secretary, Asansol Local Centre, IEI proposed the vote of thanks.

Bareilly

Bareilly Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Bareilly and a Seminar was organised on the occasion. Speaker of the event, Dr Sovan Mohanty, Department of Electronics & Communication Engineering, SRMS College of Engineering & Technology Bareilly spoke on the theme of the Day and mentioned the role of telecommunication in supporting people to stay healthy. Mr Harish Chandra Gupta, Committee Member, Bareilly Local Centre, IEI spoke about digital accessibility requirements to make a fundamental difference in creating accessible, inclusive and age friendly digital environments and communities. Earlier, Mr Sudhir Kumar Gupta, Chairman, Bareilly Local Centre, IEI delivered the welcome address. Mr Mahendra Kumar Agarwal, Honorary Secretary, Bareilly Local Centre, IEI proposed the vote of thanks.



Bathinda

Bathinda Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 in online mode and a Webinar was organised on the occasion. Prof (Dr) T S Kamal, Former Vice President & Former Chairman, Electronics and Telecommunication Engineering Division Board [ETDB], IEI graced the function as Chief Guest and addressed the audience. Dr Savina Bansal, Professor, Giani Zail Singh Campus College of Engineering & Technology (GZSCET), Bathinda and Former Dean – Academics, Maharaja Ranjit Singh Punjab Technical University, Bathinda was the Guest of Honour. Keynote Speaker, Dr Manpreet Kaur, Assistant Professor, Electronics and Communication Engineering Department, Yadavindra College of Engineering, Talwandi Sabo mentioned the achievement of digital technologies in health and social care services, particularly for aged persons. Ms Gurpreet Bharti, Assistant Professor, Electronics and Communication Engineering Department, Yadavindra

College of Engineering, Talwandi Sabo moderated the session. Earlier, Prof (Dr) Jagtar Singh, Chairman, Bathinda Local Centre, IEI delivered the welcome speech. At the end, Mr J S Deol, Honorary Secretary, Bathinda Local Centre, IEI proposed the vote of thanks.

Bhilai

Bhilai Local Centre, IEI, in association with Telecommunication Department, Bhilai Steel Plant observed World Telecommunication and Information Society Day on 17 May 2022 at Bhilai. Chief Guest of the function, Mr P K Sarkar, CGM (Electrical), Bhilai Steel Plant emphasized the need of awareness programme for the older people and the rural inhabitant of the society regarding trends in telecommunication field. Guest of Honours of the event were Mr Asit Saha, CGM (M&U), Bhilai Steel Plant and Mr Prasad GM (Telecomm), Bhilai Steel Plant. Theme Speakers of the event, Mr Somnath Bhattacharya, Manager (Telecom), Bhilai Steel Plant presented a comparative study between 5G and 4G technologies. Mr Muzammil Zafar, Manager, Arvind Telecom, spoke on safe use of internet. Earlier, Mr Pradeep Kumar Tiwari, Chairman, Bhilai Local Centre, IEI delivered the presidential address and the role that telecommunication played during Covid pandemic. At the end, Dr Nagendra Tripathi, Honorary Secretary, Bhilai Local Centre, IEI summarized the session and proposed the vote of thanks.



Mr Muzammil Zafar, Manager, Arvind Telecom, spoke on safe use of internet. Earlier, Mr Pradeep Kumar Tiwari, Chairman, Bhilai Local Centre, IEI delivered the presidential address and the role that telecommunication played during Covid pandemic. At the end, Dr Nagendra Tripathi, Honorary Secretary, Bhilai Local Centre, IEI summarized the session and proposed the vote of thanks.

Bhimavaram

Bhimavaram Local Centre, IEI observed World Telecommunication & Information Society Day on 17 May 2022 at Bhimavaram and a Seminar was organized on the occasion. Chief Guest, Prof (Dr) K Brahma Raju, Council Member, IEI advised the students to educate the senior citizens about the technological advancements for day to day use. Keynote Speaker, Mr T N V Manikumar, Sub-divisional Engineer, BSNL, Tanuku briefly explained about the latest internet devices. At the end, Mr Karanam Suresh Babu, Honorary Secretary, Bhimavaram Local Centre, IEI proposed the vote of thanks.

Bokaro Steel City

Bokaro Steel City Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Bokaro. Chief Guest of the event, Mr B K Sartepe, Chief General Manager (C. A & Communication) SAIL, Bokaro Steel Plant inaugurated the function and spoke on digital literacy among senior citizens to create awareness about health gadgets and applications which are useful in monitoring vital parameters of human health. Guest of Honour, Mr S N Teriar, Past Honorary Secretary, Bokaro Steel City Local Centre, IEI mentioned the role played by telecommunication, in different stages of personal and professional life. Earlier, Mr Navin Prakash Srivastava, Chairman, Bokaro Steel City Local Centre, IEI welcomed the Chief Guest, dignitaries, and audience. At the end, Mr S N Teriar, Past Honorary Secretary, Bokaro Steel City Local Centre, IEI proposed the vote of thanks.

Brahmapur

Brahmapur Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Brahmapur. Chief Guest of the event, Mr Aravinda Rath, SDE, BSNL, Brahmapur spoke on the scope and application of 5G broadband and optical fibre network for rural connectivity at India. Guest of Honour of the event, Dr Raghu Nandan Swain, Assistant Professor, Electronics and Telecommunication Engineering Department, Parala Maharaja Engineering College (PMEC) Brahmapur highlighted combating ageing through digital communication with integrated and long term care, and briefed on the use of e-health, e-medicines etc for older people. Chief Speaker, Mr Rajesh Kumar Dash, Associate Professor, Department of Electronics and Telecommunications, NIST Brahmapur highlighted the function of home sensors relay information for the care givers, automatic light and temperature control and home monitoring for

older people. Speaker of the event, Ms Deepika Panda, Lecturer, UCP Engineering School, Brahmapur elucidated on the role of information and communication technology for improving the lifestyle of older people. Earlier, Mr Kasi Biswanath Choudhury, Chairman, Brahmapur Local Centre, IEI delivered the welcome speech. Mr Surendra Kumar Panigrahi, Immediate Past Honorary Secretary, Brahmapur Local Centre proposed the vote of thanks.

Coimbatore

Coimbatore Local Centre, IEI, in association with the Department of Electronics & Communication Engineering Department, Kumaraguru College of Technology, Coimbatore observed World Telecommunication and Information Society Day on 17 May 2022 in virtual mode. Guest Speaker, Mr R Kesavamurthi, Director, Govind HRD Private Limited, Coimbatore, delivered lecture on the theme and explained on the microencapsulation techniques and its advantages and how to lead a healthy life with the use of modern digital technologies. Earlier, Prof (Dr) S Shanmugam, Chairman, Coimbatore Local Centre, IEI welcomed the Guest Speaker and the participants. At the end, Dr J Krishnamoorthi, Honorary Secretary, Coimbatore Local Centre, IEI proposed the vote of thanks.

Dhanbad

Dhanbad Local Centre, IEI, in association with Department of Electronics Engineering, IIT ISM, Dhanbad observed World Telecommunication and Information Society Day on 17 May 2022 at Dhanbad. Prof Biswajit Paul, Professor, Department of Environmental Science & Engineering, IIT ISM,



Dhanbad spoke on the theme of the Day. Dr Himanshu Bhusan Mishra, Assistant Professor, Department of Electronics Engineering, IIT ISM Dhanbad delivered lecture on 'Physical Layer Technologies for Next General Wireless Systems'. Prof Arvind Kumar Mishra, Honorary Secretary, Dhanbad Local Centre, IEI & HoD, Mining Engineering Department, IIT ISM, Dhanbad; Mr Satadru Das Adhikari, IIT ISM, Dhanbad; Mr B K Samanta, Past Chairman, Dhanbad Local Centre, IEI; Dr D Basak, Senior Principal Scientist, CSIR-CIMFR, Dhanbad; Dr S Waghmare, Scientist, CSIR-CIMFR, Dhanbad; members from BCCL, IIT ISM, guests & students from, IIT ISM, Dhanbad participated in the programme. Prof Biswajit Paul, Joint Honorary Secretary, Dhanbad Local Centre, IEI proposed vote of thanks.

Durgapur

Durgapur Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Durgapur. Guest of Honour & Keynote Speaker of the event, Dr Debojyoti De, Assistant Professor, Biotechnology Department, National Institute of Technology Durgapur explained briefly about the role of information and communication technology, which helps the older people to stay healthy using digital health platforms like e-health, telemedicine etc. Earlier, welcome address was delivered by Mr Safikul Islam, Chairman, Durgapur Local Centre, IEI. At the end, Mr Manas Majumder, Honorary Secretary, Durgapur Local Centre, IEI, proposed the vote of thanks.



Dhanbad spoke on the theme of the Day. Dr Himanshu Bhusan Mishra, Assistant Professor, Department of Electronics Engineering, IIT ISM Dhanbad delivered lecture on 'Physical Layer Technologies for Next General Wireless Systems'. Prof Arvind Kumar Mishra, Honorary Secretary, Dhanbad Local Centre, IEI & HoD, Mining Engineering Department, IIT ISM, Dhanbad; Mr Satadru Das Adhikari, IIT ISM, Dhanbad; Mr B K Samanta, Past Chairman, Dhanbad Local Centre, IEI; Dr D Basak, Senior Principal Scientist, CSIR-CIMFR, Dhanbad; Dr S Waghmare, Scientist, CSIR-CIMFR, Dhanbad; members from BCCL, IIT ISM, guests & students from, IIT ISM, Dhanbad participated in the programme. Prof Biswajit Paul, Joint Honorary Secretary, Dhanbad Local Centre, IEI proposed vote of thanks.

Ghaziabad

Ghaziabad Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Ghaziabad. Chief Guest of the event, Mr A K Sharma, Chief General Manager, Advance Level Telecom Training Centre (AL TTC), Ghaziabad mentioned that telecommunication

and information technology makes our lives easier and briefed on the advancement of digital technologies and automation to support the older people for the betterment and longer lives. Guest of Honour and Keynote Speaker of the event, Mr M K Seth, Former Chief General Manager, Advance Level Telecom Training Centre (AL TTC) Ghaziabad spoke



on digital technologies including 5G, cyber security, various applications of latest technologies enabling the older people to lead a more healthy life. Mr R R Tanwar, Council Member, IEI was present in the function and addressed the audience. Earlier, Mr Raghunandan Prasad Sharma, Chairman, Ghaziabad Local Centre and Council Member, IEI welcomed the dignitaries, and the participants of the event. Mr Ashok Kumar, Honorary Secretary, Ghaziabad Local Centre, IEI proposed the vote of thanks.

Gorakhpur

Gorakhpur Local Centre, IEI, observed World Telecommunication and Information Society Day 2022 on 17 May 2022 at Gorakhpur and a Seminar was organized on the occasion. Speaker of the event, Mr P K Rai, Chief Communication Engineer, N E Railway, Gorakhpur spoke on the role of telecommunication in railways for managing transportation network and



the application of optic fibre and quad cable based communication circuits used in Indian Railways. He also discussed on Passenger Reservation System (PRS), Freight

Operations Information System (FOIS), Coaching Operations Information System (COIS), Track Management System (TMS), Driver Guard Communication, etc. Speaker of the event, Dr Arvind Kumar Pandey, Director-BIT, Gida, Gorakhpur, Uttar Pradesh expressed his views about the 'Assistive Technology for Better Life' and opined that Metaverse has great promise in healthcare combining technologies such as AI, VR, AR, Web 3.0, adaptive cloud edge and quantum computing, as well as robotics to provide new avenue in healthcare system. Earlier, Mr Dharendra Chaturvedi, Chairman, Gorakhpur Local Centre, IEI welcomed Honourable Speakers and audience. At the end, Mr Ved Prakash Gupta, Honorary Secretary, Gorakhpur Local Centre, IEI proposed the vote of thanks.

Indore

Indore Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Indore and a technical Seminar was organized on the occasion. Dr Rakesh Saxena, Director, Shri Govindram Seksaria Institute of Technology and Science (SGSITS), Indore graced the function as Guest of Honour. Speaker,



Prof P K Chande, Former Director, SGSITS, Indore and Former Professor, IIM Indore explained the importance of Cognitive IoT in healthcare sector. Convenor of the Programme, Dr Gireesh Gaurav Soni spoke on the theme and introduced the invited speaker Prof P K Chande. Prof (Dr) Shilpa Tripathi, Chairman, Chemical Engineering Division Board, IEI was present on the occasion and addressed the audience. Earlier, Mr Rajendra Prasad Gautam, Chairman, Indore Local Centre, IEI welcomed the Guest of Honour, speaker and the participants and briefed about the technologies and safety devices including telemedicine, apps health monitoring devices which can provide assistive healthcare to older people.

Kadapa

Kadapa Local Centre, IEI, in association with Annamacharya Institute of Technology & Sciences (AITS), Rajampet observed World Telecommunication and Information Society Day on 17 May 2022 at Kadapa. Speaker of the event, Dr Kasigari Prasad, Associate Professor, Department of Electronics and Communication Engineering, AITS, Rajampet discussed the role of Information and Communication Technologies (ICTs) in supporting people to build smarter cities, green cities, and also spoke about digital technologies for older persons and healthy ageing. Dr SMV Narayana, Principal, AITS, Rajampet briefed about the theme of the Day. Earlier, Mr N Brahmananda Reddy, Chairman, Kadapa Local Centre welcomed the august audience.

Kanpur

Kanpur Local Centre, IEI, in association with The Institution of Electronics & Telecommunication Engineers (IETE), Kanpur Centre, Department of Computer Science & Engineering, Harcourt Butler Technical University, Kanpur and MedTech, IIT Kanpur observed World Telecommunication and Information Society Day on 17 May 2022 in virtual mode. Chief Guest of the event was Prof S N Singh, Director, Atal Bihari Vajpayee-Indian Institute of Information Technology Gwalior. Theme Speaker, Prof S K Mishra, Distinguished Visiting Professor, IIT Kanpur briefed on uninterrupted healthcare services during pandemic situation with the help of telemedicine technology and focussed on the application of internet of things, virtual care, remote monitoring, artificial intelligence, big data analytics, etc, sharing relevant information across the health ecosystem and thus creating a continuous health care ecosystem. The next Theme Speaker of the session, Dr Rupam Das, Founder & CEO, Acculi Labs Private Limited, Bengaluru mentioned that digital health technology including non-invasive diagnosis tool for the older patients is helpful to monitor their health, alert their families and connect clinicians for early intervention. Earlier, Mr Vivek Asthana, Chairman, Kanpur Local Centre IEI welcomed all and read out the message received from General Secretary, International Telecommunication Union.

Kanyakumari

Kanyakumari Local Centre, IEI, in association with IETE-PAC Nagercoil observed World Telecommunication and Information Society Day on 17 May 2022 at Nagercoil. Keynote Speaker, Dr D Judson, Associate Professor, St. Xavier's Catholic College of Engineering, Nagercoil explained the usefulness of digital technologies in self-monitoring of health related aspects for older people. He further explained about wireless technology, 5G application areas, etc and stressed more on the prevention of illness and boosting health and well being of all ages via sensors, monitors etc and also explained m-Health, IOT, Internet of medical things, improving health care through 5G network etc. He also mentioned the use of mobile devices, sensors and remote monitoring equipment for the patients for receiving imaging, diagnosis or treatment through digital technology. Earlier, Dr S Arumuga Perumal, Chairman, Kanyakumari Local Centre, IEI and former Chairman IETE-PAC, Nagercoil delivered welcome address and briefed on the theme. At the end, Mr S Natarajan, Honorary Secretary, Kanyakumari Local Centre, IEI proposed the vote of thanks.

Madurai

Madurai Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Madurai. Chief Guest, Dr S Rajaram, Sr MIEEE, BOYSCAST Fellow, Georgia Tech, USA, Professor & Head, Electronics and Communication Engineering Department and Registrar



(Academics), Thiagarajar College of Engineering, Madurai briefly discussed the role of telecommunication and information communication technologies (ICTs) towards healthier ageing and building

smarter cities; combat age-based discrimination at the workplace etc. He focused on healthy ageing of older people in four action areas; The first is to create friendly environments by removing physical and social barriers; the second is to combat the ageism; the third is to provide integrated care and the fourth is to provide long term care. Earlier, Dr N Sivasubramanian, Chairman, Madurai Local Centre welcomed all. At the end of the session, Prof (Dr) P Udhaya Kumar, Honorary Secretary, Madurai Local Centre, IEI proposed the vote of thanks.

North Bengal

North Bengal Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Jalpaiguri. Speaker of the event, Mr Srinibas Rana, Assistant Professor, Department of Computer Science and Engineering, Jalpaiguri Government Engineering College, Jalpaiguri mentioned that digital technologies supported healthy ageing in various ways, which include improving the prevention of illness and boosting health via devices and apps; empowering patients with reliable health information and healthcare providers, managers, etc.; enriching health datasets, enabling accurate analysis, diagnosis and prediction of health through AI; improving accessibility of ICT to ensure that everyone can make use of the information and communication technology (ICT). This results in reducing social isolation for older persons. Earlier, Mr Chinmoy Ghosh, Honorary Secretary, North Bengal Local Centre, IEI delivered the welcome address and at the end, proposed the vote of thanks.



Roorkee

Roorkee Local Centre, IEI, observed World Telecommunication and Information Society Day on 17 May 2022 at Roorkee. Keynote Speaker, Prof Nagendra Prasad Pathak, Head, Department of Electronics & Communication Engineering, IIT Roorkee spoke on the topic 'Wearable Electronics and Sensors for Senior Citizens' and discussed on the latest electronics gazettes can be easily handled by senior citizens in their daily lives. Earlier, Dr Ashish Pandey, Chairman, Roorkee Local Centre, IEI welcomed the audience and briefed about the benefits of telecommunication & information technology. At the end, Mr Vineet Kumar Saini, Honorary Secretary, Roorkee Local Centre, proposed the vote of thanks.



Rourkela

Rourkela Local Centre, IEI, observed World Telecommunication and Information Society Day on the topic 'Role of 5G Communication and IoT in Improving Life of Ageing People' in hybrid mode on 17 May 2022. Speaker, Dr Siddharth Deshmukh, Assistant Professor, Department of Electronics & Communication Engineering, NIT Rourkela spoke on the application of 5G wireless communication and Internet of Things (IoT) which are used in mobile broadband, smart homes, smart communication, etc. Earlier, Mr Ajay Kumar Goswami, Chairman, Rourkela Local Centre, IEI welcomed speaker, members and guests. At the end, Dr Rama Chandra Pradhan, Honorary Secretary, Rourkela Local Centre, IEI proposed the vote of thanks.

Trichur

Trichur Local Centre, IEI observed World Telecommunication and Information Society Day on 25 May 2022 in virtual mode. Speaker of the event, Dr B Jayanand, Professor & HOD, Department of Electrical & Electronics

Contd. on page 14

IEI Celebrates World Water Day



Theme- Groundwater: Making the Invisible Visible

The World Water Day was celebrated by the Institution all over the country on 22 March 2022. Brief Accounts of celebration as received from various Centres are reported hereunder.

STATE CENTRES

Goa

Goa State Centre, IEI observed World Water Day on 22 March 2022. Chief Guest, Mr Sanjay Gihar, IAS, Secretary, Water Resources Department, Government of Goa strongly advocated for reviving the traditional water bodies on which the culture of Goa had developed, to facilitate the development of the state and emphasized on out of the box thinking to solve various problems. Guest of Honour of the event, Mr Pramod Badami, Chief Engineer, Water Resources Department, Government of Goa spoke about various fresh water bodies in Goa and proposed solutions for sustainable use of water. Mr Subrai T Nadkarni, Past Chairman, Goa State Centre, IEI and ex-Chief Engineer, Water Resources Department, Government of Goa was Special Invitee of the function. Dr Nandakumar Kamat, Retired Scientist and Professor, Goa University spoke on climate change and various issues about the water bodies in Goa. Ms Kavita V Patil, Fellow, TERI, Bambolim presented case studies of river bank filtration technology and explained the usefulness of the same for the farming community in Goa. Mr Ankush Gaunker, Superintending Engineer, Water Resources Department, Government of Goa delivered lecture on ground water management, people participation in water budgeting and methods of recharging the aquifers. Earlier, Mr Gajanan Harihar Karkare, Chairman, Goa State Centre, IEI welcomed all. Mr Austin Socorro Rodrigues, Honorary Secretary, Goa State Centre compered the function.



Madhya Pradesh

Madhya Pradesh State Centre, IEI observed World Water Day on 22 March 2022 in online mode. Prof (Dr) S M Yadav, Department of Civil Engineering, SVNIT Surat and Dr H L Tiwari, Associate Professor, Civil Engineering Department, Maulana Azad National Institute of Technology (MANIT), Bhopal were the speakers of the event. Prof Yadav in his address stressed on the need to develop water resources and flood management centres, and application of technologies for ground water recharge. Dr H L Tiwari in his lecture highlighted the importance of water and explained on the theme of the Day. Earlier, Mr Rajesh Bisaria, Chairman, Madhya Pradesh State Centre, IEI welcomed the guests, dignitaries and participants. At the end, Mr Avinash Chandra, Honorary Secretary, Madhya Pradesh State Centre, IEI proposed the vote of thanks.

Uttar Pradesh

Uttar Pradesh State Centre, IEI observed World Water Day on 22 March 2022 in virtual mode. Chief Guest and Keynote Speaker of the event, Dr Alok Kumar Sikka, IWMI Representative-India, International Water Management Institute, Delhi Office; former DDG (Natural Resource Management), Indian Council of Agricultural Research (ICAR) New Delhi; former Technical Expert (Watershed Development) (in the rank of Additional Secretary to Govt of India), National Rainfed Area Authority (NRAA), Planning Commission, Government of India, New Delhi; former Director of ICAR – Research Complex for Eastern Region, Patna; and former Basin Coordinator for Indo-Gangetic Basin under the CGIAR Challenge Program on Water and Food from 2002-2007 briefed the audience about the availability of water and its crisis in the world, India and Uttar Pradesh too. He mentioned that Uttar Pradesh is mostly dependent on ground water for irrigation and shared information

about agriculture water, domestic water, industrial water and annual rainfall. He emphasized on the need of micro irrigation system to reduce the demand of water for irrigation and more application of technologies for ground water recharge. Earlier Mr Masarrat Noor Khan, Chairman, Uttar Pradesh State Centre, IEI welcomed the Chief Guest and the Keynote Speaker. Mr V B Singh, Vice President, IEI was present on the occasion and addressed the audience. Mr R K Trivedi, Immediate Past Chairman, Uttar Pradesh State Centre, IEI; Mr S Prakash, MD, UPRNN; Mr S K Verma, MD, UPPCL were present in the event. At the end, Dr Jaswant Singh, Honorary Secretary, Uttar Pradesh State Centre, IEI proposed the vote of thanks.

LOCAL CENTRES

Ananthapuram

Ananthapuram Local Centre, IEI observed World Water Day on 01 April, 2022 in virtual mode. Keynote Speaker, Prof M Basha Mohiddin, (Retd) Department of Civil Engineering, G Pulla Reddy Engineering College, Kurnool spoke about water availability and provided details regarding water share in agriculture, domestic and industry sectors. He focused on application of technologies for groundwater recharge, and stressed for micro irrigation system which reduce the demand of water for irrigation. Earlier, Prof (Dr) Ms Chigarapalle Shoba Bindu, Honorary Secretary, Ananthapuram Local Centre, IEI welcomed the participants and at the end proposed the vote of thanks.

Angul

Angul Local Centre, IEI observed World Water Day in virtual mode on 22 March 2022. A webinar was organized on the topic 'Valuing Water: In the Context of Odisha'. Mr Nanda Kumar Mohapatra, Ex-Chief Engineer, Minor Irrigation, Odisha, was the Chief Speaker of the event. Mr A P Panda, Executive Director, NALCO; Mr S Acharya, Ex –Executive Director, NALCO; Mr N K Mondal, CGM (Smelter); Mr S R Patnaik, CGM (O&M), CPP; Mr A P Mohanty, Ex-DGM, NALCO were also present in the function. Earlier, Mr Sangram Keshari Samantaray, Chairman, Angul Local Centre, IEI welcomed all the dignitaries and the participants. At the end, Mr Siba Ram Panda, Honorary Secretary, Angul Local Centre, IEI proposed the vote of thanks.

Asansol

Asansol Local Centre, IEI observed World Water Day in virtual mode on 23 March 2022. A Webinar was organized on the occasion. Chief Guest, Dr D Sarkar, Associate Professor and Head, Mechanical Engineering Department, Asansol Engineering College, West Bengal mentioned fresh clean water as a limited resource and stressed on efficient usage of water. Speaker of the event, Mr Lakshman Adhikary, CEO & Director, Annapurna Exports, Chairman & Managing Director, Sri Sai Self Supporting Industrial Co-operative Society Limited spoke on sustainable management of fresh water as a natural resource to protect the hydrosphere. He further spoke on the effect of population, household size, climatic change on water resources and suggested to implement water conservation practice to avoid damage of water quality. The next Speaker of the event, Ms Ayushi Ankita Rakshit, Electronics and Communication Engineering Department, Asansol Engineering College spoke on the significance of water conservation to ensure availability of water for future generation. Energy conservation during water pumping, wastewater treatment facilities, etc is the need of the hour as it consumes significant amount of energy; she added. Earlier, Mr Tarun Tapan Lahiri, Chairman, Asansol Local Centre, IEI welcomed all. At

the end, Mr Sumanta Karmakar, Honorary Secretary, Asansol Local Centre, IEI proposed vote of thanks.

Chandrapur

Chandrapur Local Centre, IEI observed World Water Day on 22 March 2022. Chief Guest, Mr Shrikant B Yerne, Deputy Engineer, Maharashtra Jeevan Pradhikaran Division, Chandrapur in his address mentioned various aspects



of groundwater and different project works carried out in and around Chandrapur for the benefits of farmers as well as local peoples. Guest of Honour, Dr Z J Khan, Principal and Professor, Department of Electrical

Engineering, Rajiv Gandhi College of Engineering, Research & Technology, Chandrapur briefed about the necessity of drinking water in day to day life. Earlier, Madhukar Krushanji Shende, Chairman, Chandrapur Local Centre, IEI delivered welcome address and focused on the need of more research in the field of water conservation. At the end, Mr Yogendrasingh D Parihar, Honorary Secretary, Chandrapur Local Centre, IEI proposed the vote of thanks.

Dharwad

Dharwad Local Centre, IEI observed World Water Day on 22 March 2022. Chief Guest, Mr M K Managond, Executive Engineer, PIU, Karnataka Urban

Water Supply Modernization Project, Karnataka Urban Infrastructure Development and Finance Corporation, Hubballi briefly informed the necessity of using ground water for the survival of mankind and nature. He opined that to provide sufficient pure water to all is



a serious challenge to the engineers, scientists, policy makers and called upon the engineers, scientists, technicians to contribute in this direction to solve the water crisis using high end technology wherever necessary. Earlier, Mr Vijaykumar Hanamantappa Totiger, Chairman, Dharwad Local Centre, IEI welcomed the guests, dignitaries and participants. At the end, Dr Sidlingappa Sangappa Kerur, Honorary Secretary, Dharwad Local Centre, IEI proposed the vote of thanks and emphasized the importance of water in the process of evolution of civilized society.

Erode

Erode Local Centre, IEI, in association with Velalar College of Engineering and Technology, Erode observed World Water Day on 19 March 2022 at Erode. Mr R Udhayasankar, Managing Director, M/s BTR Constructions, Erode was the speaker of the event.. Earlier, Prof (Dr) R Nallusamy, Chairman, Erode Local Centre, IEI welcomed all the members and briefed about the importance of the Day and at the end Prof (Dr) Kumaravelan Radhakrishnan, Honorary Secretary, Erode Local Centre, IEI proposed the vote of thanks.

Ghaziabad

Ghaziabad Local Centre, IEI observed World Water Day on 16 April, 2022. Chief Guest, Mr A K Mishra, Managing Director, MHPA Bhutan, Brunel Medal



Awardees (UK) discussed on different reasons of water scarcity and its disastrous effects. He further spoke on different ways to minimise the water crisis. Mr Abhijeet Pal, Officiating Director,

Northern India Textile Research Association graced the occasion as Guest of Honour. Keynote speaker, Mr O S Maurya, General Manager, THDC India Limited, Tehri, Uttarakhand in his lecture spoke on sustainable management of ground water. He further emphasized on the importance of rain water harvesting. Earlier, Mr Raghunandan Prasad Sharma, Chairman, Ghaziabad Local Centre, IEI deliberated welcome address and at the end Mr Ashok Kumar, Honorary Secretary, Ghaziabad Local Centre proposed the vote of thanks.

Gwalior

Gwalior Local Centre, IEI observed World Water Day on 22 March 2022 and a seminar was organized on the occasion. Speakers of the event were: Col A S Bais (Retd); Dr Chhavi Saxena, Director GEC Overseas, Gwalior; Mr R K Khetan, Visiting Professor, IPS Institution; Mr R L S Maurya, Superintending Engineer, Gwalior Municipal Corporation; Mr Vinod Sharma, IAS, Former District Collector, and Former Municipal Commissioner of Indore, MP. The speakers strongly recommended for ground water conservation,



preservation of ecosystem based on groundwater, maintaining the base flow of rivers, prevention of land subsidence & seawater intrusion etc. Earlier, Mr Prabhat Kumar Bhargava, Chairman, Gwalior Local Centre, IEI delivered the welcome address and briefed the audience about the theme of the Day. At the end, Mr P Y Khanwilkar, Honorary Secretary, Gwalior Local Centre, IEI proposed the vote of thanks.

Jamshedpur

Jamshedpur Local Centre, IEI observed World Water Day on 22 March 2022 in association with Tata Steel Limited. Chief Guest cum Keynote Speaker, Dr Fawzia Tarannum, Assistant Professor, Coca-Cola Department of Regional Water Studies, TERI School of Advanced Studies, New Delhi spoke on the theme and focussed on the importance of groundwater in the context of increasing water stress, reducing water quality, water and food security, water and migration, climate change, develop sustainability plan for solutions, etc. Earlier, Mr Probal Ghosh, Chairman, Jamshedpur Local Centre, IEI & Vice President, Shared Services, Tata Steel Limited Jamshedpur delivered welcome address and spoke on the importance of the Day. Mr Shantidas Bhattacharjee, Honorary Secretary, Jamshedpur Local Centre, IEI proposed the vote of thanks.

Kochi

Kochi Local Centre, IEI observed World Water Day on 22 March 2022 in virtual mode. Speaker, Mr S Haris, Former Chief Engineer, Kerala Water Authority in his lecture, focused on keeping the aquifers clean and thus sustain natural environment. He also explained the importance of national and international water policies for achieving Sustainable Development Goal. Earlier, Mr Salahudheen P A, Chairman, Kochi Local Centre, IEI in his welcome address spoke on the preservation of freshwater and controlled use of groundwater. At the end, Mr K S Babu, Honorary Secretary, Kochi Local Centre, IEI proposed the vote of thanks.

Kota

Kota Local Centre, IEI observed World Water Day on 22 March 2022. Mr Mahendra Chauhan, Chief Executive Officer, Bipra Civil Engineers and Consultants Private Limited, Kota graced the function as Chief Guest. Keynote Speaker of the event, Prof (Dr) B P Suneja, Rajasthan Technical University (Retd) explained the root causes of ground water depletion, poor accessibility of drinking water, contamination of ground water as unplanned development, population growth and climate variability, etc. Earlier Mr Devendra Kumar Bhargava, Chairman, Kota Local Centre, IEI welcomed the Chief Guest, Keynote Speaker, dignitaries and participants.

Nagpur

Nagpur Local Centre, IEI observed World Water Day on 23 March 2022 in association with Indian Water Works Association (IWWA) and Vidarbha Irrigation Development Corporation (VIDC) along with Dr A G Bhole Memorial Oration. Key Note Speaker, Mr Rajendra Mohite, Executive Director, VIDC discussed about the storage capacity and irrigation potential created and to



be created under VIDC. He further informed about the supporting organizations for implementation of water irrigation. He further stressed on the need for ground water recharging practices. Dr Sandeep Shirkhedkar, Director, imaGIS Engineering Solutions Private Limited &

Vice President (W), ACCE delivered the Dr A G Bhole Memorial Oration and shared the case studies of systematic implementation of ridge to valley treatment for effective water conservation and strongly advocated for rooftop rainwater harvesting. Dr H O Thakare, President, IEI presided over the function and briefly described various activities undertaken by IEI and appealed all to adopt water conservation practices. Earlier, Milind Anant Pathak, Chairman, Nagpur Local Centre, IEI welcomed the guests and invitees. At the end, Dr Shailesh Digambar Kamble, Honorary Secretary, Nagpur Local Centre, IEI proposed the vote of thanks.

Neyveli

Neyveli Local Centre, IEI observed World Water Day in virtual mode on the topic 'Industrial Water Pollution Abatement' on 22 March 2022, in association with Neyveli Lignite Corporation India Limited. Speaker of the event, Mr Sravan Kumar Kota, Research Officer, National Mission for Clean Ganga, MoJS, New Delhi delivered lecture on the said topic and briefed about the function and scope of Namami Gange Mission. Earlier, Mr M Senthil Kumar, Honorary Secretary, Neyveli Local Centre, IEI delivered the welcome address.

Pune

Pune Local Centre, IEI observed World Water Day on 22 March 2022 at Pune in association with Central Water & Power Research Station, Pune (CWPRS); National Water Academy (NWA), Pune; Ground Water Surveys & Development Agency (GSDA) Pune; Maharashtra Jeeva Pradhikaran (MJP), Pune Region; Indian Plumbing Association (IPA), Pune Chapter; Indian Water Works Association, Pune Centre and Marathi Vidnyan Parishad, Pune. Mr Chintamani Joshi IAS, Director, Ground Water Surveys and Development Agency, Pune graced the function as Chief Guest and addressed the august audience. Prof (Dr) N J Pawar, Vice Chancellor, Dr D Y Patil Vidyapeeth Pune; Prof B B Ahuja, Director, COEP Pune; Mr A K Kharya CE, NWA, Pune: Mr



Pravin Kolhe, Superintending Engineer, Water Resource Department, Government of Maharashtra; Mr Subhash Bhujbal, Chairman, Indian Water Works Association, Pune; Mr Nilesh Gandhi, Chairman, IPA BC; Dr Sameer Sharstri, HoD, CED, SITCOE; Dr Uttam

awari, HoD, CED, AISSMS, COE; Dr S W Gosavi, HoD, EnvSci SPPU; Mr Ajay Chaudhari, President, RCP Roytal were also present in the event and addressed the audience. Prof Kamal Kumar Ghosh, Immediate Past Chairman, Pune Local Centre & Special Invitee, Aerospace Engineering Division Board, IEI was present on the occasion and welcomed the guests and dignitaries. At the end, Mr Munot Vipin Vasantlal, Honorary Secretary, Pune Local Centre, IEI proposed the vote of thanks.

Thanjavur

Thanjavur Local Centre, IEI observed World Water Day on 23 March 2022 in virtual mode. Guest Speaker of the event, Dr Kumaran Shunmugam, Dean Research, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur presented lecture on the topic 'Water: Health and Environment'. Earlier, Mr E Jayakumar, Chairman, Thanjavur Local Centre, IEI welcomed the Speaker and the dignitaries. At the end, Dr N Venkatachalapathy, Honorary Secretary, Thanjavur Local Centre, IEI, proposed the vote of thanks.

IEI Celebrates World Telecommunication and Information Society Day

2022

Contd. from page 11

Engineering, SCMS School of Engineering & Technology, Angamali focussed on the social challenges, the elderly people are facing with respect to social security, physical & mental health, etc. He mentioned that digital technologies, future predictions of automation and AI will be of great advantage in taking care of older persons. Prof Sunil Kumar C P, Chairman, Trichur Local Centre, IEI stressed on more applications of advanced technologies, digital advancements, etc for betterment of old peoples. Dr Kurien E K, Honorary Secretary, Trichur Local Centre, IEI proposed the vote of thanks.

Udaipur

Udaipur Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Udaipur. Keynote speakers of the event were Mr Kaustubh Patil, Principal Technical Architect, Secure

Meters Limited, Udaipur and Mr Rajesh Nimare, Chief Technology Officer, Secure Meters Limited, Udaipur. Earlier, Mr Yawanti Kumar Bolia, Chairman, Udaipur Local Centre, IEI welcomed the Keynote speakers, dignitaries and the august audience.



Upper Assam

Upper Assam Local Centre, IEI, observed World Telecommunication and Information Society Day on 19 May 2022 at Duliajan. Chief Guest, Mr Pallab Barman, Chief General Manager (FHQ), Oil India Limited spoke on the theme.

Contd. on page 16

The Institution of Engineers (India)

PROCEDURE FOR CONDUCT OF ELECTIONS

(As approved by the Council at its 689th meeting held at Ahmedabad, on 02-03 April, 2016 and amended at its 690th Meeting held at Durgapur on 26 Jun 2016, at its 691st Meeting held on 24-25 Sep 2016 at Haridwar, at its 706th meeting held on 21 Sep 2019 at Mumbai, at its 707th meeting held on 29 Dec 2019 at Hyderabad, as approved vide circulation in 2021 and as per amendments approved in 713th meeting held on 26-27 Mar 2022 at Hyderabad)

1. Unless specified otherwise, following clauses in the 'Procedure for Conduct of Elections' will be applicable for all elections under provision of Regulations 24, 25 and 26.

2. The Corporate members on the roll of the Institution as on 31 Mar of the year in which elections are due shall form the electorate college for the elections which will be prepared and supplied by the IEI HQs.

3. The BOS will access the Control Panel of the Election software by using their login credentials which would be strictly confidential.

Inviting self-nominations

4. The Board of Scrutineers shall invite self-nominations along with biodata and nonrefundable earnest money of the requisite amount from the eligible Corporate Members in the following ways:

- (a) Through notification in the publication (if any) circulated to all the Corporate Members eligible to contest in the election.
- (b) By sending email to the Corporate Members eligible to contest in the election and having valid email ids as registered with IEI as on 31 Mar of the year.
- (c) By displaying in the notice board and website of the IEI for election under Regulation 24.
- (d) By displaying in the notice board and website (if any) of the respective Centre for election under Regulation 25 and 26.

Such bio-data shall be uploaded as received from the concerned nominated members and the Board of Scrutineers shall not be responsible for correctness or otherwise of such information. The invitation for nomination should also include the election time table mentioning important dates in the election process as fixed by the BOS in consultation with the IEI HQs.

The amount of earnest money as decided by the Council at its 691st meeting held on 24-25 Sep 2016 at Haridwar is as follows:

- i. For election to the Council seat – Rs. 10,000
- ii. For election to the State Centre Committee – Rs. 5,000
- iii. For election to the Local Centre Committee – Rs. 3,000

The earnest money should be paid by Demand Draft in favour of "The Institution of Engineers (India)", payable at Kolkata or by direct electronic remittance to the HQs.

In case of electronic remittance, the receipt of payment should be attached with the nomination papers and forwarded immediately to the IEI HQs.

Submitting self-nominations along with other requisites

5. A Corporate Member willing to contest in the election shall nominate himself and submit the nomination along with biodata and the earnest money. The nomination shall include the name, the class of membership, Division and the Membership number of the Corporate Member. The bio-data shall be circulated as received from the concerned nominated members but may be abridged to limit it to one hundred words and the Board of Scrutineers shall not be responsible for correctness or otherwise of such information.

A period of minimum 15 days from the last date of sending emails inviting nominations shall be allowed for submitting the nominations along with

other requisites for elections under Regulations 25 and 26. For election under Regulation 24, minimum 30 days from the last date of sending emails inviting nominations shall be allowed for submitting the nominations along with other requisites. The earnest money paid during submission of nomination shall not be refunded under any circumstances.

The notification shall direct that a member attached to a Division shall be eligible to submit nomination for election (under Regulation 24 and 25) only in that Division. The candidate shall also submit, an acceptable proof of his identity, viz PAN card or Driving License or Photo ID Card issued by State/Central Government bearing his signature or Photo ID Card of The Institution bearing his signature or first page of his passport duly self attested.

Scrutiny of Nominations

6. On expiry of the last date of receipt of nomination, the Board of Scrutineers shall meet and scrutinize the nomination papers and verify the validity of the nominations, rejecting the nominations which may be found to be invalid on account of their not being in conformity with the above requirements or under Regulation 23(c).

BOS Control Panel

7. The BOS can access the BOS Control Panel of Election software only after they log-in with their membership number as log-in ID and requisite password. This password shall be made available to them by the Administrator. Before the first log-in, they will be required to change their password. BOS members have to create their own password and have to keep it strictly confidential.

Electronic Voting:

8. (a) Computer auto generated log-in credentials for online voting shall be sent through the mobile / e-mail to the electronically reachable members as on 31 Mar of the year on the opening day of the election.

(b) An eligible voter visiting the Institution website www.ieindia.org will be guided to the election portal. The voter can access the voting page of the relevant election by using log-in ID and password for voting online. A system generated One Time Password shall be sent to the registered Mobile / e-mail for casting of vote electronically. The One time Password shall have a validity of five minutes. Separate One time Password shall be issued for all elections. The vote cast by a voter shall be encrypted and not available to anyone. The details of the voter by his membership number shall be available in the system. The electronic voting details cannot be downloaded and vote cast is encrypted. The bio data of the contestants will be available for voters reference in the election portal. The e-voting period shall be 14 days for all elections under Regulations 24, 25 and 26.

(c) In case a voter misplaces his password or has not received it for any reasons, he can request for computer auto-generated log-in ID and password from the HOME page of the IEI election web site which can be accessed through www.ieindia.org, which shall be sent to his mobile / e-mail.

(d) In case of members residing abroad who have registered their e-mail id, they will be provided the log-in credentials through his e-mail only.

Security:

9. A voter can log in using his / her password issued to him in his / her registered mobile / e-mail on the starting day of the election. However, while casting the vote, a system generated One Time Password (OTP) shall be sent to his / her registered mobile / e-mail. Voter has to use that password for casting his / her vote. The validity of the OTP shall be for five minutes only or till its first successful use whichever is earlier.

10. The election Web service provider is to provide the source code under sealed cover to the Secretary and Director General for the purpose of record and safe custody. The Source Code is not to be opened and is to be kept sealed.

11. In case any correction/ change required by the BOS due to wrong entry/ change of schedule etc. a communication is to be sent by the Convenor, BOS to the Administrator i.e. the Secretary and Director General. On receipt of such request, the Administrator shall arrange for necessary corrections, if feasible.

12. The software is to also have feature of automatic logging out if no activity takes place for 10 minutes. After automatic logging out, re-logging by all three to access the site is to be made mandatory.

13. The electronic voting shall end at 2400 hours on the date specified and no voting on web can be done thereafter.

Final Counting:

14. On the date of counting the system shall count the online votes and final result shall be available to BOS instantly. In the event of a tie, the BOS shall decide the result by toss of coin or by drawing lots, as per the existing provision.

Bio Data:

15. The Bio data of the contestant if furnished, as finalized by the BOS, shall be uploaded on the election site. This shall be available in public domain. It shall also be available for view to the voter while casting the vote on web.

16. The Bio data of the contestants shall also be published in the Centre's Newsletter.

Result:

17. The BOS shall print the report on the result of the voting which shall be signed by the members of the BOS present and present the report along with connected papers to the Chairman of the Centre and forward a copy of the report to the Honorary Secretary of the Centre and also to the Secretary & Director General of the Institution for necessary action.

18. The Honorary Secretary shall immediately communicate official results of the election to the Secretary & Director General. The voting papers shall be sealed and kept by the Chairman of the Centre till 30 days after the ensuing AGM of the Centre whereafter they shall be destroyed, as per the existing proviso.

For election to Council under Bye-law 4(a)(iii) the voting papers need to be preserved till 30 days of the Institution's AGM, whereafter they shall be destroyed. Similarly details of all the web voting shall be dealt with by the Administrator.

19. The BOS shall conduct all business of election from the premises of the Centre. In no case activities of election can be carried out from premises other than the Centre.

20. The Chairman and the Honorary Secretary in the office and the Chairman-elect and Honorary Secretary-elect shall not be members of the BOS.

21. No person shall be member of BOS for more than two consecutive elections.

22. The Chairman / Honorary Secretary of the Centre, without involving himself in operational activities of the BOS, shall oversee the functioning of the BOS to ensure that the procedure is not violated inadvertently.

In case the Chairman / Honorary Secretary himself is a candidate in any of the elections being conducted at the Centres of which he is the Chairman / Honorary Secretary and candidate(s) in the election to the Council from the Division Board, he should not be involved in any of the activities relating to the election process at the Centre. In such case, the State/Local Centre Committee may resolve to authorize an appropriate available non-candidate corporate member preferably past Chairman to oversee the functioning of the BOS without involving himself in operational activities of the BOS.

IEI Celebrates World Telecommunication and Information Society Day 2022

Contd. from page 14

Guest of Honours, Mr B P Bakshi, Chairman, APC and Mr Trideeb Saikia, GM (L&D), HOD, OIL delivered lectures on this occasion. Mr Antareep Bhagabati, Marine Engineer delivered the Keynote speech on the topic 'The Evolution of the Maritime Communication'.



During the technical session, Mr Rakesh Rajkonwar, SE (Mechanical), DNPL presented on the topic 'Digital Technologies for

Older Persons and Healthy Ageing'; and Mr Diganta Kumar Gogoi, Field Communication Department, Oil India Limited presented his paper on 'A Few Concepts in Digital Communication and the Future'. Mr Debajeet Sarma, Honorary Secretary, Upper Assam Local Centre, IEI, proposed the vote of thanks.

Warangal

Warangal Local Centre, IEI observed World Telecommunication and Information Society Day on 17 May 2022 at Warangal.

Smt R Srilatha, Deputy General Manager, BSNL Warangal graced the occasion as Chief Guest and addressed the audience. Mr M Sambaiiah, Chairman, Warangal Local Centre, IEI was the theme speaker.

Further, Mr Vijay Bhasker Reddy, AGM/BSNL; Mr R Raju, Sub Divisional Engineer, BSNL and Mr Venkateshwarlu, BSNL also spoke on the occasion. At the end, Mr M Mallaiah, Honorary Secretary, Warangal Local Centre, IEI proposed the vote of thanks.



News-in-Brief

The following are the brief account of Technical Activities organised by various Centres

STATE CENTRES

Karnataka

Observed National Technology Day on the topic 'Latest Advanced Technology in Lightning Protection' on 11 May 2022 through hybrid mode at Bengaluru. Keynote Speaker, Mr G Srinivas, Director, SGI Engineer Private Limited, Bengaluru briefed about the significance of efficient lightning protection of structures for their reliable exploitation over a long period of time to ensure that the system is able to accept the lightning discharge and to conduct it into the ground. He further discussed about the fatalities due to lightning strikes and the technological advancements about lightning forecasts.

Organized Lecture on 'Career Opportunities for Engineers in PSU's with Focus on Oil and Gas Industry' on 30 April 2022 at Bengaluru. Speaker of the event, Mr Vidyadhar S Salimath, Former General Manager, Oil and Natural Gas Corporation (ONGC), Mumbai explained the role of PSUs for the economic development of modern India. He further mentioned the role of various bodies under the administrative part of petroleum ministry and provided an insight into the work environment in oil PSUs.

Observed World Heritage Day & Earth Day and two lectures were organized on the themes 'Green Citizens Champions of Change' and 'Invest in our Planet to Build a Sustainable Future' on 22 April 2022 at Bengaluru. On the occasion, the Keynote address was delivered by Dr Prabhudev M S, President KJVS & Green Club Kalburgi and Selection Grade Lecturer, Government Polytechnic Kalgi. In his lecture, he stated that Earth Day is celebrated to create awareness on protecting the environment through Green Life Style, i.e. by thinking green, living green, saving green, etc. He also discussed on the salient points to save the resources of our earth and adopting green culture and technologies. Dr Jagadish Godihal, Professor, Presidency University, Bengaluru spoke on the topic 'Invest in our Planet to Build a Sustainable Future' and informed about the ASCE principles of sustainable development for civil engineers.

Organized Workshop on 'Automation through QR Codes' on 08 April 2022 in hybrid mode at Bengaluru. Speaker of the event, Dr Sameer Kumar, Renowned Innovator & TEDx Speaker shared his view about QR codes. He further added that QR code is a type of matrix barcode, which is machine readable optical label that contains information, data for a locator, identifier or tracker that points to a website or application. He further spoke on how to create QR codes and demonstrated different automation processes using QR codes.

Organized Lecture on 'A IoT: AI-Infused Internet of Things' on 01 April 2022 in hybrid mode at Bengaluru. Keynote speaker of the event, Dr Alok Nath De, Council Member, IEI and Executive Consulting Director & Ex-CTO, Samsung delivered lecture on the said topic and mentioned that the Internet of Things (IoT) offers smart devices, which help people to live and work smarter and is essential for business. He further explained that an IoT ecosystem consists of web-enabled smart devices that contains processor, sensors and communication hardware to collect, send and act on data they acquire from the environments. Dr Enti Ranga Reddy, Council Member and Chairman, Mechanical Engineering Division Board and Honorary Secretary, Karnataka State Centre, IEI mentioned that the objective of IoT is to provide unique identifiers (UIDs) to the people and the transfer of data through a network without requiring interaction between human to computer or human to human.

Observed National Science Day on 28 February 2022 at Bengaluru. Mr R Hutton, Project Director-Gaganyaan, ISRO, in his Keynote lecture shared his views about India's first manned space mission Gaganyaan. Dr P V Venkitakrishnan, Council Member, IEI and Chairman, Aerospace Engineering Division Board was present on the function and discussed on ISRO strategies and challenges for execution of projects. Mr M Lakshmana, Chairman, Karnataka State Centre, IEI discussed, how science and engineering has been incorporated in various dimensions in industry and in our daily life.

Organized discussion meeting on the topic 'Makedatu Balancing Reservoir Construction – Is it a Boon for Bengaluru City and other Districts' on 07 January 2022 at Bengaluru and 'Makedatu Balancing Reservoir Construction – How far is Beneficial to Mysore Region' on 18 January 2022 at Mysuru. Mr M Lakshmana, Chairman, Karnataka State Centre, IEI and the engineers who worked in Irrigation Department including Former Chief Engineer, Capt S Raja Rao were attending the programme and deliberated on irrigation and drinking water supply.

Organized webinar on the topic 'Stand Alone Mining India – Does it Have a Future?' on 30 December 2021. Speaker of the event, Mr D V Pichamuthu, Former Council Member, IEI mentioned that mining is the art and science of extraction of minerals from the earth and explained the application of minerals in solar panels, fertilizers, healthcare, cell phones, computers, laptops, microwave ovens, jewellery, cosmetics, etc. He highlighted the significant points of Policy and Legislation, Mines and Minerals Development and Regulation Act 1957, amendments and impact of exploration and mining and so on. He briefed about stand alone mining and its influence on climate change, food supply like fertilizers, magnesite health care, etc, captive mine etc.

Observed International Women's Day on the theme 'Gender Equality Today for a Sustainable Development' on 08 March 2022 at Bengaluru. Smt K M Janaki, IAS, Joint Director (Reforms), Karnataka Municipal Data Society graced the function as Chief Guest and addressed the gathering. Eminent engineers attended the programme were: Mrs Mamatha M Pandith, Founder & Principal, Globe ITI and Trustee, SLNM Educational Society, Channapatna; Mrs Suman S Raju, Assistant Director (Mechanical), MSME Development Institute, Government of India, Ministry of MSME, Bengaluru; Dr Brinda V, Director, DSRQ, Indian Space Research Organisation, Bengaluru; Dr C Nandini, Vice Principal, Prof & Head, Department of Computer Science and Engineering, Dayananda Sagar Academy of Technology & Management, Bengaluru and Ms S Sakamma, Superintendent Engineer (Retd), Public Works & Water Resources Dept, Bengaluru.

Observed World Meteorological Day on the theme 'Early Warning and Early Action-Hydro-Meteorological & Climate Information for Disaster Risk Reduction' on 23 March 2022 at Bengaluru. Speaker of the event, Mr C S Patil, Scientist 'E' & Director, India Meteorological Department (IMD), Bengaluru stated that India Meteorological Department (IMD) is fulfilling the prime responsibility of providing weather forecasting in India and the aspirations and the **scienti** meteorologists. He further added that an early warning system provided by them helps governments and peoples to remain alert from disaster and other undesirable events like floods, drought, fire, tsunamis and take early action for making right decisions from time to time. Dr Enti Ranga Reddy, Council Member, Chairman, Mechanical Engineering Division Board & Honorary Secretary, Karnataka State Centre, IEI stated that disaster causes serious disruption of functioning of a community, society and huge economic and environmental losses.

Kerala

Organized technical talk in association with IEEE, CSI, INSARM, ASI, SSI, ISTD, SAME, IITArb, PMI, IETE on the topic 'An Overview of Global Warming and Strategies for Its Mitigation' on 05 January 2022 in virtual mode. Speaker of the event, Dr K N Ninan, Former Outstanding Scientist & Deputy Director, Vikram Sarabhai Space Centre, Emeritus Professor, Indian Institute of Space Science & Technology stated global warming as the largest threat

to mankind, which results in increased number of heat waves, droughts and forest fire, heavy rain and flood, and rising sea levels. He further discussed on green house gas emissions due to rapid industrialization and explosive growth in transportation, usage of fossil fuels and wide-spread deforestation, which led to continuous increase of CO₂ in atmosphere. He felt that reforestation and afforestation, supplemented by bio-char, geo-sequestration, stimulating the growth of phytoplankton in oceans, etc are the routes for reduction of atmospheric CO₂.

Organized technical talk in association with IEEE, CSI, INSARM, ASI, SSI, ISTD, SAME, IITArb, PMI, IETE on the topic 'Frozen Coconut Oil, Roar of the Lion and the Rumble of the Arabian Sea – A Tale of Urban Growth' on 12 January 2022 in virtual mode. Speaker of the event, Dr Udaysankar S Nair, Associate Professor, Atmospheric & Earth Science, University of Alabama, Huntsville focussed his lecture on the change analysis of urban growth through multi decadal, spatial and temporal change analysis and expressed his concern about reduction in vegetation, increasing the land surface temperature and its' impact on urban growth. He further discussed on the changes in coastal and inland weather, effect of urban growth on sea breeze circulation, etc.

Organized technical talk in association with IEEE, CSI, INSARM, ASI, SSI, ISTD, SAME, IITArb, PMI, IETE on the topic 'Blockchain – The Shape of Things to Come' on 26 January 2022. Speaker of the event, Prof A Damodaran, Economics and Social Sciences, Indian Institute of Management, Bangalore in his address mentioned blockchains or digital ledgers as the idea of decentralization and added that blockchains promise a world of infinite possibilities with its scope of applications extending from money and financial sectors. He further deliberated on the scope of application of crypto currencies and crypto-tokens.

Organized a webinar on 'Condition Monitoring & Health Assessment of Power Transformers' on 19 January 2022 in association with IEEE, CSI, INSARM, ASI, SSI, ISTD, SAME, IITArb, PMI, IETE. Er Ashok Kumar K, Chairman, Kerala State Centre, IEI welcomed the participants and the Speaker Er K Raghukumar, former Head of Transmission, Qatar General Electricity & Water Corporation. Er Raghukumar stated that transformers are critical grid assets which play key role in supply reliability. He also explained online and offline condition monitoring techniques, computation of Asset Health Index etc.

Organized technical talk on 'Standards Driven Research: The Most Efficient Way to Achieve ATMA NIRBHAR BHARAT' on 15 December 2021. Speaker of the event, Ms Pamela Kumar, Director General, Telecom Standards Development Society of India in her address discussed on the paradigm shift to 5G technology and self reliance. She stated that India has entered a new era of socio-economic development in technology and focussed on application of 5G technology in all aspects of our lives. She opined that standard driven research can play the pivotal role to transform India.

Maharashtra

Organized Lecture Meeting on 29 January 2022 at Mumbai in virtual mode. Prof Rajendra Kumar V Saraf, Chairman, Viraj Envirozing India Private Limited, Pune delivered lecture on the topic 'Sustainable Development Goals'. Dr Anshul Gujarathi, Founder Director, Ecosolutions, LEED AP, IGBC Fellow, GRIHA Evaluator & Trainer delivered lecture on the topic 'Sustainable Cities and Communities'.

Observed Shipbuild India Expo Summit 2022 in association with Belapur Local Centre, IEI and Engineering Staff College of India (ESCI) on 11-13 May 2022 at Mumbai. The objectives of this event was to promote Corporate and Institutional Membership of IEI; marketing of IEI activities, and infrastructure/facilities; Liaison with the Professional and Academic Institutions; Generation of Data Bank of the subject matter Experts, Sponsors and Customers for the IEI programs; Marketing of NABL approved testing, measuring and computing facilities available at BLC; Promotion of IEI Continuous Professional Development Programs; Optimum utilization

of the guest room facilities; Assessment of Industry needs to craft out the futuristic training programs; Promotion of MBA Program by ESCI and encourage the young students to form Students' Chapter etc.

Organized Lecture Meeting on 26 February 2022 in virtual mode. Prof Rajendra Kumar V Saraf, Chairman, Viraj Envirozing India Private Limited, Pune delivered lecture on the topic 'Sustainable Development Goals'. Dr Mangesh Kashyap, Environment Economist and President, Society for Environment Education Research and Management delivered his presentation on the topic 'Quality Education' and mentioned that formal education need to be transformed to new forms of learning, which is able to tackle complex global challenges. He felt that quality education breaks the poverty, helps to reduce inequalities and makes the people lead a more healthier and sustainable life.

Telangana

Organized Elders Engineers' Day Program & Engineering Seva Rathna Awards Presentation and felicitation of the Corporate Members of IEI as eminent engineers for outstanding contribution in various engineering domains, in association with Elders Clubs International Foundation (ECIF) on 05 December 2021 at Hyderabad. Justice Mr G Chandraiah, Chairman, Human Rights Commission, Government of Telangana graced the function as Chief Guest and Capt R Janardhan, Chief Engineer (Retd), I&CAD addressed the audience as Guest of Honour. Shri Mandadi Krishna Reddy, Chairman, CAC, Government of India & Managing Trustee, ECIF explained about the activities of ECIF.

Organized special talk on 'Climate Change – Food - Health and Spirituality' on 06 December 2021 at Hyderabad. Chief Guest of the event, Dr Khader Vali, Scientist, Millet Man of India while addressed the audience, emphasized that every citizen should follow the sustainable development without polluting air, water and environment. He further added that the use of pesticides in agriculture also major cause for environmental imbalance. Dr G B K Rao, Chairman & Managing Director, Pragati Sudhama, graced the occasion as Guest of Honour and also addressed the gathering.

Organized Dr A Ramakrishna 9th Endowment Lecture on the topic 'Avoidance of Collapse of Precast Segmental Bridges during Construction' on 21 December 2021 through online mode. Chief Guest of the event, Mr V N Heggade, Former CEO, STUP Consultants Private Limited & Former Executive Director, Gammon India Limited elaborated on understanding of designs & drawings in the context of failures during construction, casting of segments including handling, stacking & transportation, erection of segments for span by span method of precast segmental construction, joint & temporary prestressing in precast segmental construction and Special post tensioning & grouting aspects for span by span precast segmental bridges.

Organized Lecture on 'Role of MSMEs in Achieving \$5 Trillion Economy for India' on 20 January 2022 in virtual mode. Dr Dasharath Ram Yadav, Scientist & Director, DRDL, Hyderabad graced the function as Chief Guest and addressed the gathering. Special Guest of the event, Mr K Sudhir Reddy, President, Telangana Industrialists Federation discussed about Skill Development programmes and introduction of schemes for MSMEs entrepreneurs by Central and State Government. During the occasion, Dr K Srinivasa Rao, Professor, Indian Institute of Risk Management (IIRM), Hyderabad; Dr Jaiteerth R Joshi, Programme Leader, KUSHA, DRDO, Hyderabad and Mr Anant Jalonha, Regional Manager, Canara Bank, Hyderabad spoke on the theme.

Organized Mr M Thirpath Reddy 11th Endowment Lecture on the topic 'Scenario of Post Handling Over of Telugu States Irrigation Projects to River Management Boards – An Overview' on 04 February 2022 in virtual mode. Dr M Satyanarayana, Executive Director, HMWS & SB graced the function as Chief Guest and addressed the audience. Mr M Shyam Prasad Reddy, Council Member, IEI and General Secretary, TREA delivered lecture on the topic and discussed on different aspects of Krishna and Godavari Projects.

55th ENGINEERS' DAY

Theme: Smart Engineering for a Better World

September 15 is celebrated every year in the country since the year 1967 as "Engineers' Day" to commemorate the birthday of the legendary

engineer Sir Mokshagundam Visvesvaraya. Sir Visvesvaraya, an eminent Indian engineer and statesman was born in a remote village of Karnataka, the State that is incidentally now the Hi-tech State of the country. Due to his outstanding contribution to the society, Government of India conferred "Bharat Ratna" on this legend in the year 1955. He was also called the precursor of economic planning in India. His learned discourse on Economic Planning in India, Planned Economy for India and



Bharat Ratna Sir M Visvesvaraya

Reconstructing India, was the first available document on the planning effort of the country and it is still held as the parent source matter for economic planners. A theme of national importance is chosen every year by the Council of the Institution and deliberated at its various State/Local Centres to educate the engineering fraternity in general and the society in particular. This year the 55th Engineers' Day will be celebrated all over the country on the theme "Smart Engineering for a Better World".

The 55th Engineers Day celebration on the theme 'Smart Engineering for a Better World' will be observed by The Institution of Engineers (India) at its various State & Local Centres to take a stock of various capability and capacity building initiatives undertaken in crucial sectors like road and rail connectivity, drinking water, agriculture, healthcare and nutrition, affordable housing and better governance through induction of smart technologies to achieve Sustainable Development Goals in a phased manner. The societal engineering aspect will also be delved into as it is a deciding parameter in ascertaining the extent of for developing a smart infrastructure of inclusive

nature as well as creation of newer job openings. The theme 'Smart Engineering for a Better Future' also encompasses issue of environmental sustainability. There is no well established roadmap towards building a smart infrastructure and trying to replicate a generic global template might not work. Such developments are extremely contextual and should reflect challenges, priorities and aspirations at the regional level. The solutions would require synergy between industry, academia and government and should foster an ecosystem where different players can participate and share best practices and develop action plans for switching to a smart infrastructure for a sustainable and prosperous future.

The engineers need to understand that there is tremendous pressure on the existing service infrastructures which are inadequate and not designed to sustain challenges like air pollution, waste management, traffic congestions, effective healthcare and housing for all etc. This will require finding sustainable and inclusive solutions to provide affordable housing, healthcare, nutrition, mass rapid transportation and drinking water especially to the urban populace which may later be replicated in other areas in a phase wise manner.

An interesting commonality in the nature of these challenges is dealing with massive levels of digitization and generation of data. These perceived challenges are veiled opportunities to leverage data science and analytics and thereby induct smart engineering to deal with major global challenges, such as adverse effects of climate change, water scarcity, mixed energy usage, reducing the digital divide among others. The engineering profession is undergoing a paradigm shift with the induction of digitization and emphasis on man-machine interface with induction of logical thinking in machines. Automation and analytics has proved to be decisive and has brought about changes in conceptualization of all major verticals of engineering. Investing in capacity building of smart infrastructure ensuring smart delivery of civic services will serve the broad societal interest with ramifications leading to establishment of effective and accountable governance system congruent to our needs.

As engineers it is important that we adopt smart engineering to leapfrog into new realms in this era of smart engineering for a better tomorrow.



37th

INDIAN ENGINEERING CONGRESS

Chennai, December 16-18, 2022

Theme:

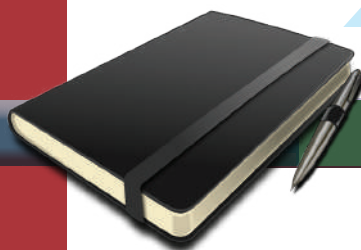
Role of Engineers for Creating a Sustainable & Self Reliant India

Organized by

The Institution of Engineers (India)

Hosted by: **Tamilnadu State Centre**

IEI DIARY



Agricultural Engineering Division

Thirty-fifth National Convention of Agricultural Engineers on "**Utilization of Modern Technologies in Agricultural Engineering for Sustainable Agriculture Production**"

Hosur, September 16-17, 2022

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

Aerospace Engineering Division

Thirty-fifth National Convention of Aerospace Engineers on "**Smart Materials and their Applications in Aerospace Structures**"

Chandigarh, November 25-26, 2022

The Honorary Secretary, IEI, Punjab and Chandigarh State Centre, Plot No.1-A, Engineers Bhawan, Madhya Marg, Sector 19-A, Chandigarh 160019 [☎: 0172-2775418, E-mail :pcsc@ieindia.org, Website: www.ieichd.org]

Civil Engineering Division

All India Seminar on "**Water Security : Challenges for Present and Future**"

Ranchi, August 20-21, 2022

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieindia.org, Website: ieijscjharkhand.org]

All India Workshop on "**Fire and Disaster Mitigation**"

Lucknow, August 27-28, 2022

The Honorary Secretary, IEI, Uttar Pradesh State Centre, Engineers' Bhawan, River Bank Colony, Lucknow 226018, Ph: 0522-2625322, E-mail : upsc@ieindia.org, Website: www.ieiup.org.in]

All India Seminar on "**IoT in Civil Engineering**"

Chennai, September 01-02, 2022

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

All India Workshop on "**Design Competition of Domestic Incinerator for Semi-wet Waste**"

Kollam, September 17-18, 2022

The Honorary Secretary, IEI, Kollam Local Centre, Department of Chemical Engineering Building, TKM College of Engineering, Kollam 691005, Kerala [☎: 0474-2716699, Fax: 0474-2712023, E-mail: kollamlc@ieindia.org, Website: www.ieikollamlc.org]

Thirty-seventh National Convention of Civil Engineers on "**Emerging Technologies and Seismic Concerns**"

Indore, October 16-17, 2022

The Honorary Secretary, IEI, Indore Local Centre,

SGSITS Campus, 23, Sir M Visvesvaraya Marg (Park Road), Indore 452003 [☎: 0731-2434057, E-mail: indorelc@ieindia.org, Website: www.ieindia.org]

All India Seminar on "**Use of Green Technology in Road Construction**"

Ranchi, November 12-13, 2022

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieindia.org, Website: ieijscjharkhand.org]

Chemical Engineering Division

Thirty-seventh National Convention of Chemical Engineers on "**Battery Energy Storage System**",

Chennai, September 09-10, 2022

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

Computer Engineering Division

All India Seminar on "**Role of AI, Machine Learning & Data Science in Modern Era**"

Bareilly, September 27-28, 2022

The Honorary Secretary, IEI, Bareilly Local Centre, 44, Camphor State Colony, Near Camphor Estate Colony, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile: 9634953691, E-mail: bareillylc@ieindia.org]

All India Seminar on "**Fullstack Developer Skills Breakdown along with AWS and Kubernetes**"

Kattankulathur, September 27-28, 2022

The Honorary Secretary, IEI, Kattankularthur Local Centre, SRM Institute of Science and Technology, Mahatma Gandhi Road, Potheri, SRM Nagar, Dist Chengalpattu, Kattankulathur, Tamilnadu 603203, [☎: 044-2745 2270]

Thirty-fifth National Convention of Computer Engineers on "**Cyber Security/Privacy**"

Bareilly, February 18-19, 2023

The Honorary Secretary, IEI, Bareilly Local Centre, 44, Camphor State Colony, Near Camphor Estate Colony, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile: 9634953691, E-mail: bareillylc@ieindia.org]

Electrical Engineering Division

All India Seminar on "**Opportunities and Challenges of Electric Vehicles in Agriculture**"

Kattankularthur, August 18-19, 2022

The Honorary Secretary, IEI, Kattankularthur Local Centre, SRM Institute of Science and Technology, Mahatma Gandhi Road, Potheri, SRM Nagar, Dist Chengalpattu, Kattankulathur, Tamilnadu 603203, [☎: 044-2745 2270]

All India Workshop on "**IoT Based Monitoring of Solar PV System**"

Chennai, August 30-31, 2022

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

Thirty-seventh National Convention of Electrical Engineers on "**Green Energy and Clean Energy for New India**"

Jabalpur, November 12-13, 2022

The Honorary Secretary, IEI, Jabalpur Local Centre, Vishvesvaraya Marg, South Civil Lines, In front of Old RTO Office, Jabalpur 482001 [☎: 0761-2678929, E-mail: jabalpurc@ieindia.org]

Electronics and Telecom. Engineering Division

All India Seminar on "**Recent Trends in Antenna Engineering and Applications in Biomedical Field**"

Chennai, August 23-24, 2022

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

All India Seminar on "**Recent Trends and Research Issues in Image Processing**"

Coimbatore, October 19-20, 2022

The Honorary Secretary, IEI, Coimbatore Local Centre, PSG Tech Campus, Peelamedu, Coimbatore 641004, Tamilnadu, [☎: 0422-2580733, E-mail: coimbatorelc@ieindia.org]

Thirty-seventh National Convention of Electronics & Telecommunication Engineers on "**The Impact of 5G: Creating New Value across Industries and Society**"

Hyderabad, November 18-19, 2022

The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieindia.org, Website: www.ieitsc.org.in]

Environmental Engineering Division

Thirty-sixth National Convention of Environmental Engineers on "**Technology for Green Fireworks: Holistic approach towards Environmental Challenges**"

Madurai, August 26-27, 2022

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 "**Recycle and Reuse of Wastewater**"

Bareilly, October 16-17, 2022

The Honorary Secretary, IEI, Bareilly Local

Centre, 44, Camphor State Colony, Near Camphor Estate Colony, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile: 9634953691, E-mail: bareillylc@ieindia.org]

Marine Engineering Division

Thirty-sixth National Convention of Marine Engineers on "**Contemporary Developments in Maritime Technologies**"

Visakhapatnam, October 15-16, 2022

The Honorary Secretary, IEI, Visakhapatnam Local Centre, 43-18-22, "Visvesvaraya Bhavan", Venkatarajunagar, Railway Station Road, Visakhapatnam 530016 [☎: 0891-2947460; E-mail: visakhapatnamlc@ieindia.org]

All India Seminar on "**Smart and Sustainable Marine Operations: Emerging Paradigm**"

Ranchi, January 07-08, 2023

The Honorary Secretary, IEI, Jharkhand State Centre, Engineer Bhawan, Nepal Kothi Campus, PO : Doranda, Ranchi 834002 [☎: 0651-2491344, Mobile: 9431382798, E-mail : jharkhandsc@ieindia.org, Website: ieijscjharkhand.org]

Mechanical Engineering Division

All India Seminar on "**Advancements in Bio Fuels**"

Chennai, August 18-19, 2022

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

All India Seminar on "**Challenges in the Processing of Titanium alloys for Defense, Aerospace and Marine Applications**"

Chennai, August 25-26, 2022

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

All India Seminar on "**An Application and Performance Analysis of Refractories in the Thermal Power Plant**"

Bokaro Steel City, December 17-18, 2022

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

All India Seminar on "**Digital Image Processing and Image Correlation Techniques for Defect and Deformation Measurement**"

Kattankulathur, October 24-25, 2022

The Honorary Secretary, IEI, Kattankulathur Local Centre, SRM Institute of Science and Technology, Mahatma Gandhi Road, Potheri, SRM Nagar, Dist Chengalpattu, Kattankulathur, Tamilnadu 603203, [☎: 044-2745 2270]

All India Seminar on 'Sustainable Development of Industries through Industry 4.0 Application'.

Belagavi, October 28-29, 2022

The Honorary Secretary, IEI Belagavi Local Centre, Er S G Balekundry Marg, Shivabasava Nagar, Belagavi 590010 [☎: 0831-2470258, Mobile: 9141384358, E-mail : belagavilc@ieindia.org, Web: www.ieilcbelagavi.org]

All India Seminar on "**Logistics and Supply Chain**"

Bareilly, November 11-12, 2022

The Honorary Secretary, IEI, Bareilly Local Centre, 44, Camphor State Colony, Near Camphor Estate Colony, Rampur Road, C B Ganj, Bareilly 243502, Uttar Pradesh [Mobile: 9634953691, E-mail: bareillylc@ieindia.org]

Thirty-seventh National Convention of Mechanical Engineers on "**Advances in Battery Technologies for Electric and Hybrid Vehicles**"

Hyderabad, December 09-10, 2022

The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieindia.org, Website: www.ieitsc.org.in]

Thirty-eighth National Convention of Mechanical Engineers on "**Emerging Trends and Developments in Smart Manufacturing , Renewable Energy and Mechanical Systems Diagnostics/Design**"

Nagpur, September 08-09, 2023

The Honorary Secretary, IEI, Nagpur Local Centre, North Ambazari Road, Nagpur 440010, [☎: 0712-2525617, E-mail : nagpurlc@ieindia.org]

Metallurgical & Materials Engg. Division

All India Seminar on "**Latest Developments in Engineering Materials and Manufacturing Processes**"

Jaipur, September 17-18, 2022

The Honorary Secretary, IEI, Rajasthan State Centre, Gandhi Nagar, Tonk Road, Jaipur 302015 [☎: (0141) 2706327, E-mail: rajasthansc@ieindia.org]

Thirty-fifth National Convention of Metallurgical & Materials Engineers "**Low-grade Ore and Waste: Challenges and Remedies**"

Durgapur, January 21-22, 2023

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

Mining Engineering Division

Thirty-second National Convention of Mining Engineers on "**Occupational Health Problem and Remedial Measures in Mining Operation**"

Durgapur, 03-04 December, 2022

The Honorary Secretary, IEI, Durgapur Local Centre, Nehru Avenue, B-Zone, Durgapur 713205

[☎: 0343-2564770, E-mail: durgapurlc@ieindia.org; Website: www.ieidurgapurlc.org]

Production Engineering Division

All India Seminar on "**Lean Manufacturing to Minimize Waste in Production Systems**"

Kanchepuram, August 12-13, 2022

The Honorary Secretary, The Institution of Engineers (India), Kanchepuram Local Centre, Jerusalem College of Engineering Campus, Velachery Main Road, Narayanapuram, Pallikaranai, Chennai 600100 [Mobile: 9789924739, E-mail: kanchepuramlc@ieindia.org, Website: ieindiaklc.org]

Thirty-sixth National Convention of Production Engineers on "**Smart Manufacturing**"

Chennai, August 18-19, 2022

The Honorary Secretary, IEI, Tamilnadu State Centre, No. 19, Swami Sivananda Salai, Chepauk, Chennai 600005 [☎: 044-25360614 /9962950333, E-mail: tnscc@ieindia.org, Website : www.ieitnsc.org]

Textile Engineering Division

Thirty-fourth National Convention of Textile Engineers on "**Innovative Textile Materials**"

Kanpur, September 10-11, 2022

The Honorary Secretary, IEI, Kanpur Local Centre, Engineers Bhawan, HBTU Campus, Nawabganj, Kanpur 208002 [☎: 0512-2560034, Mobile: 9140018277, E-mail: kanpurlc@ieindia.org, Website : www.ieikanpur.org]

Thirty-fifth National Convention of Textile Engineers on "**Resource Efficient Technologies in Textile Manufacturing**"

Kolkata, February 11-12, 2023

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

Interdisciplinary Coordination Committee

All India Seminar on "**National Education Policy 2020: Synergies for Technical Education**"

Lucknow, September 24-25, 2022

The Honorary Secretary, IEI, Uttar Pradesh State Centre, Engineers' Bhawan, River Bank Colony, Lucknow 226018, Ph: 0522-2625322, E-mail : upsc@ieindia.org, Website: www.ieiup.org.in]

All India Seminar on "**Pipe Distribution Systems in Irrigation Project for Improving Water Use Efficiency**"

Hyderabad, October 21-22, 2022

The Honorary Secretary, IEI, Telangana State Centre, IEI, 6-2-910, "Visvesvaraya Bhavan", Khairatabad, Hyderabad 500004 [☎: 040-23314969/23373087/23370779, E-mail: telanganasc@ieindia.org, Website: www.ieitsc.org.in]

ISO 9001-2015 Certification for Telangana State Centre, IEI

Telangana State Centre of the Institution of Engineers (India) has received **ISO 9001-2015 Certification** in accordance with the requirements of the quality standards from M/s. HYM International Certification Private Limited, Hyderabad for playing a very important role in dissemination of information on Engineering and Contemporary technology bringing Industry, Academia, Experts and Professionals together on same platform for the period 2022 to 2025. The Hon'ble Minister for Finance, Health, Medical & Family Welfare, Government of Telangana, Shri T Harish Rao was pleased to handed over the ISO Certification to Er B Brahma Reddy, Chairman, Telangana State Centre, IEI and Former Secretary & Director General, IEI during a function held on 15 April 2022 at Visvesvaraya Bhavan, Khairatabad, Hyderabad. Shri V Prakash Rao, Chairman, TWRDC and IPRBC; Shri A Sivaiah, MD, M/s HYM International Certification Private Limited, Hyderabad; Council Members of IEI, Past Chairmen, Past Honorary Secretaries and Committee Members of Telangana State Centre have participated in the function.



Revised Fee Structure

(Effect from 01 April 2022)

[As per Decision of 713th Meeting of Council, Hyderabad, March 25-27, 2022]

FRESH APPLICATION

Grade	India & Nepal (₹) including GST
Fellow (FIE)	20060
Member (MIE)	8260
Associate Member (AMIE)	5900
For SMIE within 1 year of passing	5782
For SMIE within 1 year of passing from IM	5605

FOR TRANSFER CASES

Grade	India & Nepal (₹) including GST
AMIE to MIE	3540
AMIE to FIE	15340
MIE to FIE	13452
AMTIE to MTIE	1416

OTHER MEMBERSHIP RELATED FEE

Items	India & Nepal (₹) including GST
Chartered Engineer Certificate	29500
Chartered Engineer Certificate after upgradation / transfer of membership	5900

IEI AWARDS CALL FOR PAPERS

The Steel Authority of India Ltd (SAIL) had instituted two Awards, namely, **SAIL AWARD** and **DR M VISVESVARAYA AWARD** to be given away every year during the Indian Engineering Congress to author/s of the articles adjudged best on selected topics.

The topics for the year 2022 are given hereunder.

SAIL AWARD

Countering Cyclic Downtrends in Steel Industry

DR M VISVESVARAYA AWARD

Contribution of Indian Steel Sector towards Net Zero Emission by 2070

The articles preferably restricting to 3000 words along with good quality photographs may be submitted along with a Declaration Form to award@ieindia.org within **October 15, 2022**. The template of the paper and the Declaration Form are enclosed, which are also available under the following link: https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers

Intending contributors are requested to send the soft copy of the paper by email to award@ieindia.org (with subject heading Paper for SAIL/Dr M Visvesvaraya Award) and submit four nos. printed copies of their articles to :

Director (Technical)

The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700 020.

Project Management Associates Weekend Programme



International Project Management Association

IPMA is a federation of about 72 Member Associations (MAs) who develop project management competences in their geographic areas of influence. Through IPMA, project management practitioners from all parts of the world can network, share ideas through effective collaboration and cooperation.

Who / Why to Attend

Professionals across all levels who want to understand the intricacies of Project Management and want to excel in managing projects to advance their career.

Discounted Program Registration Fee for IEI Members (15% discount from the published fee)

Participation Fee for Level C: Rs. 47,090 per person plus GST @ 18%

Participation Fee for Level D: Rs. 24,650/- per person plus GST @ 18%

- Registration fee is non refundable. However, alternate persons can be nominated.
- Cheque / draft or NEFT is payable to "Project Management Associates" at Delhi.
- The registration fee does not include travel and hotel accommodation.

Next batch of on-line learning sessions on Project Management Competence Building (PMCB) based on ICB Version 4, knowledge base for IPMA Level C and Level D by our Learning partner PMA is from **August 5th and 6th, 12th & 13th 2022**. The relevant material is available in the link <https://www.pma-india.org/brochures>.

Exam Dates for Level C: 26-27 August 2022 (0930 – 1730 hrs)

Exam Dates for Level D: 20 August 2022 (0930 – 1730 hrs)

Exam Venue: Secure and Seamless Online Exam & Assessment

For more details, please contact:

Arvind Agarwal, Head, PMA Cert (Certification Body)

Project Management Associates

FC-33, Plot No. 1 & 2, Periyar Centre, 3rd Floor, Institutional Area, Jasola, New Delhi – 110025

Tel: 011 41421511 Mob: +91 9711631534-35/39, 9840432229, Website: www.pma-india.org, Email: info@pma-india.org /

Empanelment of Chartered Engineers of IEI

IFCI Limited (A Government of India undertaking), New Delhi [erstwhile Industrial Finance Corporation of India] has invited application for 'Empanelment of Chartered Engineers' for assessment of asset classes viz. 'Civil Works' and 'Plant & Machinery'. The applicants should be registered with The Institution of Engineers (India) in Civil, Mechanical, Electrical and Chemical Engineering Divisions. Last date of submission **8 August 2022**.

The details are available in the link: <https://www.ifcilt.com/2022/RFP%20for%20Chartered%20Engineer.pdf>

Be proud to be a Certified Professional Engineers (PE) and International Professional Engineers (IntPE)

Professional Engineers (PE) Certification by IEI

ELIGIBILITY REQUIREMENT

- BE/ BTech or equivalent recognised by Statutory Authority or Government of India
- Five years or more professional experiences
- Membership of recognised professional engineering institution / association
- Maintained Continued Professional Development (CPD) at a satisfactory level

For details, please visit the following link :

https://www.ieindia.org/webui/IEI_PE_Certification.aspx

International Professional Engineers (IntPE) Certification by IEI

ELIGIBILITY REQUIREMENT

- BE/ BTech or equivalent recognised by Statutory Authority or Government of India
- Seven years or more professional experiences
- Minimum two years professional experience in significant engineering activity
- Membership of recognised professional engineering institution / association
- Maintained Continued Professional Development (CPD) at a satisfactory level

For details, please visit the following link :

https://www.ieindia.org/webui/IEI_IntPE_Certification.aspx

The eligible candidate can submit application in the prescribed format to:
The PE Cell, The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700020

For any query and assistance, please send email to: pe@ieindia.org

Felicitation of President, IEI by Maharashtra State Centre

Maharashtra State Centre, IEI, in association with Belapur Local Centre, IEI observed World Environment Day on 05 June 2022 at Mumbai. On this occasion, Dr Hemant Omkarrao Thakare, President, IEI was felicitated in the august presence of Dr Rakesh Kumar, Director, National Environment Engineering and Research Institute (NEERI) and Prof Rajendrakumar V Saraf, Chairman, Viraj Envirozing India Private Limited, Pune. Dr Rakesh Kumar, who was also the Guest Speaker of the function, in his address stressed on synchronization of urbanization with the environment. Prof Rajendrakumar V Saraf mentioned that the theme of the Day for this year is identical to the first theme of World Water Day. Dr Mohan Balwant Dagaonkar, Former Council Member, IEI was present in the function. Mr Kishanrao M Godbole, Chairman, Belapur Local Centre, IEI introduced the Guest Speaker, Dr Rakesh Kumar. Earlier Mr Mahendra Ratanlal Kothari, Chairman, Maharashtra State Centre, IEI welcomed the guests and dignitaries. At the end of the function, Mr Vijay Chandrakant Kamble, Honorary Secretary, Maharashtra State Centre, IEI proposed the vote of thanks.



2022 WFEO C.C.C H.J. Sabbagh Prize for Excellence in Engineering Construction Call for Nominations

The WFEO Executive Board has agreed to extend the nominations period of the **2022 WFEO C.C.C H.J. Sabbagh Prize for Excellence in Engineering Construction**.

The theme of this year's award has been revised and extended in order to better reflect the extraordinary context of Covid-19, and the diversity of contributions of civil engineers to building more sustainable infrastructures.

The details of the Award and the Nomination form are available on the homepage of IEI website under Bulletin. The access link is as follows:

https://www.ieindia.org/WebUI/ajax/Downloads/WebUI_PDF/HIGHLIGHTS_DOCUMENT-3303.pdf

This nominations are to be sent via email to wfeo-awards@wfeo.org by 16 September 2022.

IEI Industry Excellence Award 2022 Request for Participation

The IEI Industry Excellence Award has been instituted to recognize industry leaders for their innovation, excellence in engineering operations and thereby, to lead their industry in competitive manner. The benchmarks created by the industries in India have included productivity, quality, safety and performance assurance thereby giving India the rightful place in the global markets. Realizing that such industries can provide the leadership to a large number of other industries in the country, it has been considered appropriate by the IEI Council to institute the IEI Industry Excellence Awards in the year 2008.

Applications in specified format (visit link: <https://www.ieindia.org/webui/IEI-Activities.aspx#industry-excellence-award>) are invited from prospective applicants for IEI Industry Excellence Award 2022. The last date of receipt of application for the Award 2022 is **30 September 2022**. Interested applicants are requested to send their applications (Two hard copies & One soft copy in Pendrive/CD) to the below mentioned address.

The Director [Technical]

The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700 020

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Associate Editor: Dr Jitendra Saxena

Special Contributors: Mr S Chakraverty, Mr K Sen
Mr P Chakraborty, Mr A Das, Ms H Roy, Mr S Bagchi

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Telephones: 91-33-40106299/248/228/215; Web: <http://www.ieindia.org>; E-mail: iei.technical@gmail.com