

Day I - Thursday, 16 December, 2021

TIME	SESSION	DETAILS	
09:10 AM – 10:45 AM	Inaugural Session and Keynote Talk	Chief Guest: Dr. Ajay Mathur, DG, International Solar Alliance, India Keynote Speaker: Mr. Manu Asthana, President & CEO, PJM Interconnection, USA	
		Venue- Hall 1/ Auditorium	
10:45 AM – 11:20 AM	LDC Excellence Award	Load Dispatch Center (LDC) Excellence Award Announcement and Winner Presentation	
		Venue- Hall 1/ Auditorium	
11:30AM – 01:00 PM	Panel Session I-Integrating Energy and Power in Engineering Education	Prof Anjan Bose, Washington State University, USA, (Moderator) Prof. D.P. Kothari, Honorary Adjunct Professor, VNIT, Nagpur Prof. R. Banerjee, Dept. of Energy Science and Engg, IIT Bombay Prof. Saikat Chakrabarti, Dept. of Electrical Engineering, IIT Kanpur Mr. Gautam Ray, Executive Director, HR & Administration, CESC Ltd Prof. Tripta Thakur, Department of EE, MANIT Bhopal, DG, NPTI S.Shyam Sundar, Joint Director & HoD, Information & Publicity Division, CPRI Bangalore Prof. S. Mukhopadhyay, Head, Dept. of Electrical Engg, School of Energy Science & Engg., IIT Kharagpur	
		Venue- Hall 1/ Auditorium	
01:00 PM –02:00 PM	Break		
02:00 PM-04:00 PM	Tutorial Session-I	Tutorial-I A RE Rich Microgrid: Operation and Control	Tutorial-I B Generation Capacity Addition and Dispatch Modelling
		Sukumar Mishra, Professor, IIT Delhi, India	Nhalur Sreekumar, Member, Energy group Prayas, Pune, India
		Venue- Hall 1/ Auditorium	Venue- Hall 2
04.10 PM – 05.10 PM	Award Session	POSOCO Power System Awards (PPSA 2021) to meritorious research students	
		Venue- Hall 1/ Auditorium	
05:20 PM–07:20 PM	Tutorial Session-II	Tutorial-II A Grid Resilience in the Presence of Renewable Generation	Tutorial-II B Practical Aspects for design & construction of High Voltage Semiconductor Power Modules
		Joydeep Mitra, Professor, Michigan State University, USA	Dipak Dutta, (Retired) AGM, Electronics Division, BHEL, Bangalore, India
		Venue- Hall 1/ Auditorium	Venue- Hall 2

Day II - Friday, 17 December, 2021

TIME	SESSION	DETAILS						
09.00 AM - 09.55 AM	Keynotes Session-A	Keynote session A I Enabling Resilience for the DER-rich Power Distribution System	Keynote session A II Renewable energy generation and its integration: Challenges and Solutions		Keynote session A III Storage, the ultimate disruptor. Is there anything Storage cannot do?		Keynote session A IV Collaborative Online experiences in Indian Engineering Education	
		Anurag K Srivastava Raymond J. Lane Professor and Chairperson, West Virginia University, USA	Janaka Ekanayake, Professor, University of Peradeniya, Sri Lanka		Dr Mani Vadari, President, Modern Grid Solutions, USA		Dr. Anil K. Jampala, GE Renewable Energy, USA	
		Venue- Hall 1/ Auditorium	Venue- Hall 2		Venue- Hall 3		Venue- Hall 4	
10.15 AM – 11.15 AM	Contributory Paper Session 1	Contributory Paper 1A IDs- 178, 146, 182, 149	Contributory Paper 1B IDs-9, 183, 177, 53	Contributory Paper 1C IDs- 40, 82, 73, 259	Contributory Paper 1D IDs-272, 115, 199, 221	Contributory Paper 1E IDs- 114, 90, 180, 39		
		Track-1.1 (PSPR01)	Track-1.2 (MGDS01)	Track-1.3 (PSDS01)	Track-1.4 (LFDM01)	Track-1.5 (RIEV01)		
		Venue- Hall 1/ Auditorium	Venue- Hall 2	Venue- Hall 3	Venue- Hall 4	Venue- Hall 5		
11.30 AM – 12:25 PM	Keynotes Session-B	Keynote session B I Solar PV integrations into national grid: Challenges and Opportunities	Keynote session B II Governance aspects of Indian Power System		Keynote session B III Low-Inertia Very Large Grid Digital Twins using HYPERSIM EMT simulator for Dynamic Transient Performance Evaluation		Keynote session B IV What about Hydrogen?	
		Tapan Saha, Professor, University of Queensland, Australia	S K Soonee, Advisor, POSOCO, India		Jean Belanger, President & CTO Opal-RT Technologies, Canada		Arindam Ghosh, Professor, Curtin University, Australia	
		Venue- Hall 1/ Auditorium	Venue- Hall 2		Venue- Hall 3		Venue- Hall 4	
12:30 PM – 01:30 PM	Break							

Day II - Friday, 17 December, 2021

TIME	SESSION	DETAILS				
01.30 PM – 01.50 PM	Invited paper Session 1	Invited Paper 1 A Renewable Integrated Multi-Area Smart optimization Framework for Distribution Network Operators	Invited Paper 1 B AMI Meter Data and Analytics can help to optimize Grid Operation	Invited Paper 1 C Implementation experience of Whole Sale Electricity Markets in the North American Context	Invited Paper 1 D Machine and Deep Learning Based Classification Approach for Power Quality Disturbances	Invited Paper 1 E Estimation of Ev's Daily Load Profile in Bangkok Metropolitan City under Different Policy Scenarios
		N P Padhi, Professor, IIT Roorkee, India	Dr. Raghu Pulakurthi, Director-Product Development, Oracle Utilities, Hyderabad, India	Venkata Sivaram, GE, Hyderabad, India	Celia Shahnaz, Professor, BUET, Bangladesh	Jai Govind Singh, Associate Professor, AIT Bangkok, Thailand
		Venue- Hall 1/ Auditorium	Venue- Hall 2	Venue- Hall 3	Venue- Hall 4	Venue- Hall 5
01.50 PM – 02.50 PM	Contributory Paper Session 2	Contributory Paper 2A IDs- 25, 12, 8, 110	Contributory Paper 2B IDs-238, 84, 243, 148	Contributory Paper 2C IDs-189, 205, 132, 282	Contributory Paper 2D IDs-49, 278, 281, 270	Contributory Paper 2E IDs- 128, 141, 20, 109
		Track-2.1 (PSPR02)	Track-2.2 (MGDS02)	Track-2.3 (PSSR01)	Track-2.4 (LFDM02)	Track-2.5 (RIEV02)
		Venue- Hall 1/ Auditorium	Venue- Hall 2	Venue- Hall 3	Venue- Hall 4	Venue- Hall 5
03.00 PM – 04.00 PM	Sponsors session	Industrial Sponsors Presentation				
		Venue- Hall 1/ Auditorium				
04:15 PM – 05.00 PM	Invited Talk	Mr. Kunal Kumar, Jt. Secretary & Mission Director (Smart Cities Mission), Ministry of Housing and Urban Affairs, Government of India				
		Smart Energy for Smart Cities				
		Venue- Hall 1/ Auditorium				

Day II - Friday, 17 December, 2021

TIME	SESSION	DETAILS				
05:10 PM – 05:30 PM	Invited paper Session 2	Invited Paper 2A Investment Decision-Making in Power Systems Employing Data Monitoring Technology	Invited Paper 2B Importance of Regional Technical Institutional Mechanism in South Asian electricity grid	Invited Paper 2C Success Story of India-Bangladesh Power System Operation	Invited Paper 2D Looking beyond 175 GW Renewable Energy Integration in India - Challenges and Remedial Measures	Invited Paper 2E Behind the Meter Energy Storage: Role for supporting demand response and renewable integration
		Fushuan Wen, Professor, Tallinn University of Technology, Estonia	V K Agrawal, Technical Director (SARI/EI)/ IRADe, India	Saif Rehman, Manager, POSOCO, India	Dr. Nagaraja Ramappa, MD, PRDC, Bangalore, India	Dr. Rahul Walawalkar, President, India Energy Storage Alliance (IESA) & President & MD, Customized Energy Solutions, India
		Venue- Hall 1/ Auditorium	Venue- Hall 2	Venue- Hall 3	Venue- Hall 4	Venue- Hall 5
05.30 PM -06:45 PM	Contributory Paper Session 3	Contributory Paper 3A IDs- 98, 223, 276, 129, 229	Contributory Paper 3B IDs-161, 175, 69, 118, 211	Contributory Paper 3C IDs-41, 260, 152, 233	Contributory Paper 3D IDs-239, 21, 147, 59, 173	Contributory Paper 3E IDs- 256, 236, 29, 279, 105
		Track-3.1 (PSPR03)	Track-3.2 (MGDS03)	Track-3.3 (PSOP01)	Track-3.4 (PSDS02)	Track-3.5 (RIEV03)
		Venue- Hall 1/ Auditorium	Venue- Hall 2	Venue- Hall 3	Venue- Hall 4	Venue- Hall 5

Day III - Saturday, 18 December, 2021

TIME	SESSION	DETAILS									
09.00 AM - 9.55 AM	Keynotes Session-C	Keynote session C I Digital Twins for Digital Transformation		Keynote session C II Learnings from Global electricity Markets in Indian Context		Keynote session C III Power Systems on the Cusp of Energy and Digital Transformation		Keynote session C IV How Smart Distribution Systems and Microgrids Will Advance Energy Diversity and Equity			
		Vinay Jammu, VP - Physical-Digital Technologies, GE Digital, India		S.S. Barpanda, Director, Market Operation, POSOCO, India		Akilur Rahman, ChiefTechnology Officer, ABB Hitachi, India		Noel Schulz, Professor, Washington State University, USA			
		Venue- Hall 1/ Auditorium		Venue- Hall 2		Venue- Hall 3		Venue- Hall 4			
10.15 AM - 11.30 AM	Contributory Paper Session 4	Contributory Paper 4A IDs- 28, 253, 104, 139, 15		Contributory Paper 4B IDs-188, 158, 64, 164, 242		Contributory Paper 4C IDs-227, 36, 225, 224, 16		Contributory Paper 4D IDs-51, 216, 57, 248, 190		Contributory Paper 4E IDs- 179, 284, 226, 165, 112	
		Track-4.1 (PSPR04)		Track-4.2 (MGDS04)		Track-4.3 (PSOP02)		Track-4.4 (LFDM03)		Track-4.5 (RIEV04)	
		Venue- Hall 1/ Auditorium		Venue- Hall 2		Venue- Hall 3		Venue- Hall 4		Venue- Hall 5	
11.40 AM - 12:35 PM	Keynotes Session-D	Keynote session D I Power System Dynamic Phenomena: Correlating Theory with Real-life Measurements		Keynote session D II Role of Electric Mobility in Energy Transition		Keynote session D III Impact of Renewable Energy penetration on Power System Protection - Grid operator's perspective		Keynote session D IV Future Grid utilizing Smart Grid technologies for Sustainable Development			
		A M Kulkarni, Professor, IIT Bombay, India		Abbishek Ranajan, VP, BSES Rajdhani, India		T. Muthukumar, DGM, SRLDC, POSOCO, India		Subir Sen, COO, PowerGrid, India			
		Venue- Hall 1/ Auditorium		Venue- Hall 2		Venue- Hall 3		Venue- Hall 4			
12:35 PM – 01:30 PM	Break										

Day III - Saturday, 18 December, 2021

TIME	SESSION	DETAILS				
01.30 PM - 03.00 PM	Panel Session II- Inclusive growth of Entrepreneurs in Smartgrid	Dr. S P GonChoudhury , NBIRT, Kolkata, India (Moderator) P.K. Agarwal , Former Director, Market Operations & CISO, POSOCO Shwetank Jain , Founder, CEO, P2Power, India Saikat Roy Chowdhury , MD, galileisolar India Pvt Ltd Vishal Pandya , REconnect, Bangalore Devendra Gupta , CEO/Co-Founder, Ecozen Solutions Pvt Lt, India Abhishek Mangalick , CEO, Ecosense Sustainable Solutions Pvt. Ltd Chandan Chakraborty , Professor, Associate Dean, SRIC, IIT Kharagpur, India				
		Venue- Hall 1/ Auditorium				
03.15 PM - 04.15 PM	Contributory Paper Session 5	Contributory Paper 5A IDs- 195, 134, 160, 125	Contributory Paper 5B IDs-156, 171, 11, 62	Contributory Paper 5C IDs- 150, 122, 184, 56	Contributory Paper 5D IDs-274, 251, 197	Contributory Paper 5E IDs-208, 130, 7, 194
		Track-5.1 (AIML01)	Track-5.2 (MGDS05)	Track-5.3 (CMSC01)	Track-5.4 (LFDM04)	Track-5.5 (RIEV05)
		Venue- Hall 1/ Auditorium	Venue- Hall 2	Venue- Hall 3	Venue- Hall 4	Venue- Hall 5
04.30 PM – 05.30 PM	Award session	Announcement of Best Contributory paper award				
		Venue- Hall 1/ Auditorium				
05.30 PM – 06.15 PM	Valedictory Session	Report of ICPS 2021 Address by Guest of Honour - Prof. M. Ramamoorthy, Former DG, CPRI Vote of Thanks				
		Venue- Hall 1/ Auditorium				