

<b>Sunday, November 10, 2024</b>				
<b>08:30 – 09:30</b>	<b>Registration</b>			
	<b>Hall: Chambers 1</b>			
<b>09:30 – 13:00</b>	<b>IEEE R10 PES Chapter Leaders Meet &amp; Greet</b>	<b>IEEE R10 PES Chapter Student Leaders Meet &amp; Greet</b>		
	<b>Hall: Chambers 2</b>	<b>Hall: Concord</b>		
<b>09:30-11:00</b>	<b>Tutorial-1</b>	<b>Tutorial-2</b>		
	<b>Hall: Chambers 1</b>	<b>Conclave</b>		
	<b>Modeling, Analysis, and Control of Future Power Systems Featuring Inverter Technology</b> (1) Prof. Sairaj Dhople-Department of Electrical and Computer Engineering, University of Minnesota (2) Dr. Ben Kroposki-Director,Power Systems Engineering Center, National Renewable Energy Laboratory (NREL) (3) D. Venkatramanan- Assistant professor, IITB	<b>Energy Transition</b> Dr. Balaraman, Executive Director, IDAM Infrastructure Advisory Private Limited		
<b>11:00 – 11:30</b>	<b>Tea/Coffee</b>			
	<b>Tutorial-1</b>	<b>Tutorial-2</b>		
	<b>Hall: Chambers 1</b>	<b>Hall: Conclave</b>		
<b>11:30 – 13:00</b>	<b>Modeling, Analysis, and Control of Future Power Systems Featuring Inverter Technology</b> (1) Prof. Sairaj Dhople-Department of Electrical and Computer Engineering, University of Minnesota (2) Dr. Ben Kroposki-Director, Power Systems Engineering Center, National Renewable Energy Laboratory (NREL) (3) D. Venkatramanan- Assistant professor, IITB	<b>Energy Transition</b> Dr. Balaraman, Executive Director, IDAM Infrastructure Advisory Private Limited		
<b>13:00 – 14:00</b>	<b>Tutorial Lunch</b>			
	<b>Hall: Main Hall - Chancery</b>			
	<b>Tutorial-3</b>	<b>Tutorial-4</b>		
	<b>Hall: Chambers 1</b>	<b>Hall: Conclave</b>		
<b>14:00 – 15:30</b>	<b>Cyber Defense for Power Utilities: Strategies, Challenges, and Future Trends</b> POWERGRID Center of Excellence in Cyber Security, Indian Institute of Science, Bangalore (1) Sri. Bhargav Nerayanoor (2) Dr. Abhijit Lele (3) Sri. Kiran T.S.	<b>Value proposition of Battery Energy Storage Systems</b> (1) Sri. Shuvendu Bose- Consultant, World Bank and IFC (2) Dr. Ishan Purohit- Energy Specialist,IFC		
<b>15:30 – 16:00</b>	<b>Tea/Coffee</b>			
	<b>Tutorial-3</b>	<b>Tutorial-4</b>		
	<b>Hall: Chambers 1</b>	<b>Hall: Conclave</b>		
<b>16:00 – 17:30</b>	<b>Cyber Defense for Power Utilities: Strategies, Challenges, and Future Trends</b> POWERGRID Center of Excellence in Cyber Security, Indian Institute of Science, Bangalore (1) Sri. Bhargav Nerayanoor (2) Dr. Abhijit Lele (3) Sri. Kiran T.S.	<b>Value proposition of Battery Energy Storage System</b> (1) Sri. Shuvendu Bose- Consultant, World Bank and IFC (2) Dr. Ishan Purohit- Energy Specialist,IFC		
	<b>Hall :Chambers 2</b>			

14:30-17:30	<b>Woman in Power Summit</b> 1. Inauguration of WIPS 2. REPOWER (Finale of PU Students' Competition) 3. Nurturing Resilience- Key to lasting Wellness 4. Building a Career Portfolio - What goes into your resume 5. Get Noticed Professionally - Make a mark via LinkedIn 6. Speed Mentoring Session for Continued Success by PES Global leaders			
17:30 – 18:00	<b>Tea/Coffee</b>			
18:00 – 20:00	<b>Conference Inauguration</b> <b>Hall: Main Hall - Chancery</b> <b>Chief Guest: Shri. G Kumar Naik,</b> <b>Guest of Honors :</b> <b>Shri. Pankaj Kumar Pandey, IAS, MD - KPTCL</b> <b>Shri. Gaurav Gupta, IAS, ACS Government of Karnataka, Energy Department</b>  <b>Inaugural Hingorani Awards</b> <b>Felicitation of Hingorani awards</b>			
20:00 – 21.00	<b>Inaugural Dinner</b> <b>Hall: Chambers 1 &amp; 2</b>			
<b>Monday, November 11, 2024</b>				
09:00 - 09:30	<b>Key Note - 1</b> <b>Emergent Digital Substations: Principles, Applications and Standards</b> <b>Hall: Main Hall - Chancery</b>	<b>Dr. Nirmal Nair, Associate Professor, University of Auckland</b>		
09:30 - 11:00	<b>Plenary Talks</b> <b>Analytics for Future Grid</b> <b>Clean Energy Transition: Impact on the Power Sector</b> <b>Moving towards Realistic Modeling: Importance of Parallel Computing</b> <b>Hall: Main Hall - Chancery</b>	<b>Sri. Konda Ankireddyapalli, Founder &amp; CEO, UTILTYX</b> <b>Dr. Balaraman, Executive Director, IDAM Infrastructure Advisory Private Limited</b> <b>Dr. Gurunath Gurralla, Associate Professor, EE, IISc., Bengaluru</b>		
11:00 -11:30	<b>Tea/Coffee break</b>			
11:30 – 13:00	<b>Panel Discussion PD - 1.1</b> <b>Hall: Chambers 2</b> <b>Battery Energy Storage System - use cases and Business models for India</b> (1) Sri. Shuvendu Bose- Consultant, World Bank and IFC (2) Dr. Ishan Purohit- Energy Specialist, IFC (3) Sri PR Gopan, Chief Technology Officer – Envision Energy India Pvt Ltd (4) Sri. Chetan D, SE, KPTCL (5) Sri. Chamundeswar Nadh Baratham, Ather Energy	<b>Panel Discussion PD - 1.2</b> <b>Hall: Conclave</b> <b>Managing the future grid: Power Electronics opportunities</b> (1) Dr. Suresh Jangamshetti (Moderator) (2) Dr. Nagaraja, Managing Director, PRDC (3) Dr. Narottam Das, Senior Lecturer, CQUniversity Australia (4) Dr. Sukumar Mishra, Professor, IIT Delhi (5) Shri Aby Joseph, Senior Director, CDAC, Kerala		
13:00 - 14:00	<b>Lunch break</b>			
	<b>Panel Discussion PD 1.3</b> <b>Hall: Chambers 2</b>	<b>Panel Discussion PD - 1.4</b> <b>Hall: Conclave</b>	<b>Paper Session PS - 1.1</b> <b>Hall: Concord</b>	<b>Paper Session PS - 1.2</b> <b>Hall: Council</b>

14:00 – 15:30	<b>“IEEE PES – New Talent, Integration of Renewable Energy and Grid Challenges</b> (1) Dr. Kamal Garg, Principal Protection Engineer, Schweitzer Engineering Laboratories (SEL) (2) Sri. Akshay Surti, Sales Director, GE T&D, India (3) Sri. Rajil Srivastava, Executive Director (Operations-Projects), Power Grid India Ltd, Gurgaon, India (4) Sri. Narasimhan Vaidhyanathan, Executive Director – Transmission & New Energy Business Reliance Industries Ltd, Navi Mumbai, India (5) Dr Amit Jain, Additional director general, CPRI and Head of Smart Grid Lab (6) Dr. Subir Sen, Executive Director, PGCIL	<b>Large Scale Simulation, Hardware-in-the-loop evaluations and demonstration of synergistic smart grid technologies in India and United States</b> (1) Dr. Murali Baggu, Laboratory Program Manager at the National Renewable Energy Laboratory (NREL) (2) Dr. Ben Kroposki, Director – Power Systems Engineering Center National Renewable Energy Laboratory (3) Dr. Suresh C Srivastava, Ex Director, IIT Kanpur (4) Dr. Rob Hovsopian, Senior research advisor at the National Renewable Energy Laboratory (NREL) (5) Sri. Kaushik Das, Principal Architect, Samsung Electronics	<b>Power System Protection and Safety - I</b> Paper ID: 315, 318, 229, 307, 250	<b>Renewable Integration and Smart Distribution Systems - I</b> Paper ID: 87, 257, 263, 325, 52
15:30 - 16:00	Tea/Coffee break			
16.00 – 17.30	<b>Panel Discussion PD - 1.5</b> <b>Hall: Chambers 2</b> <b>Green Energy Open Access in India</b> (1) Sri. Subhendu Mukherjee, DGM and HOD, Market Operations, NLDCL (2) Ms. Gertrude.K.G, AEE, KSEB (3) Sri. Hiranmay De, former executive director, PTC India limited (4) Sri. Nitin Srivastava,VP, Indian Energy Exchange Limited (5) Shri.Shamik Parikh, Vice President, Adani Green Energy Limited	<b>Panel Discussion PD - 1.6</b> <b>Hall: Conclave</b> <b>Prognostics and Health Monitoring for Enhanced Asset Reliability</b> (1) Dr. Pranav Balasubramanian, Manager, Eaton Research Labs (2) Sri.Bibhudatta, GE Vernova (3) Dr. Prasad Venikar, Specialist, Eaton Research Labs (4) Dr. Amit Chandrakar, Principal Data Scientist, Symphony AI (5) Sri.Sourabh Tiwari, Head of Health Engineering, Airbus India	<b>Paper Session PS - 1.3</b> <b>Hall: Concord</b> <b>Smartgrid Technologies: Artificial Intelligence, Communications and Cyber Security - I</b> Paper ID: 238, 244, 314, 4, 237	<b>Paper Session PS - 1.4</b> <b>Hall: Council</b> <b>Smartgrid Technologies: Reliability and Resiliency</b> Paper ID: 29, 141, 256, 304, 241
17:30 – 18:00	Tea/Coffee break			
18:00-20:00	<b>CXO Meet Theme: Attracting Talent back to Power Sector</b> <b>Hall: Main Hall - Chancery</b>			
20:00 – 21:00	<b>Conference Dinner</b> <b>Hall: Chambers 1 &amp; 2</b>			
<b>Tuesday, November 12, 2024</b> <b>Key Note - 2</b>				

09:00 -09:30	<b>AI: Its impact on the Grid and the future with Generative AI</b> <b>Hall: Main Hall - Chancery</b>	<b>Prof. Raghupathi C N</b>		
09:30 - 11:00	<b>Plenary Session - 2: Technical skills needed for future of Grid</b> 1) Ms. Saroj Chelluri, Director Technical Marketing, GarudaUAV (2) Sri. Naveen Srivastava, Director of Operations, PGCIL, India (3) Dr. Ryan Bradetich, Senior Vice President R&D, SEL, USA (4) Mr. Arun Unni, Senior Director, GE Energy Consulting, India (5) Dr Kannan Tinnium, Technology Director, Schneider R&D Boston  <b>Hall: Main Hall - Chancery</b>			
11:00 to 11:30	<b>Tea/Coffee break</b>			
11:30 - 13:00	<b>Panel Discussion PD - 2.1</b> <b>Hall: Chambers 2</b> <b>Green Hydrogen</b> (1) Sri.Anuraag Nallapaneni, Manager, WRI India (2) Prof.H.P.Khincha, Chairman,Karnataka State Innovation Council (3) Sri.Murali Ramakrishnan Ananthakumar,Group Head (Hydrogen and Industrial Decarbonisation), CSTEP (4) Dr. Suruchi Rao,CEO and Co-Founder,Ossus Biorenewables	<b>Panel Discussion PD - 2.2</b> <b>Hall: Conclave</b> <b>Startups in Power and Energy</b> (1) Sri. Mustafa Wajid, Managing Director & CEO, Meher Group (2) Sri. Sanjeev Kulkarni, COO, Billion Electric Mobility (3) Sri. Sheetanshu Tyagi, CEO, EMO Energy (4) Sri. Sunil Bansal, Co-Founder & COO, Fitsol (5) Ms. Zohra Khan, CEO, IPEC (6) Sri Shantanu Chaturvedi, VP, Transition VC	<b>Paper Session PS - 2.1</b> <b>Hall: Concord</b>  <b>Power System Simulations, operation, control and stability - I</b> <b>Paper ID: 203, 303, 311, 328, 300</b>	
	<b>13:00 - 14:00 Lunch break</b>			
14:00 - 15:30	<b>Panel Discussion PD - 2.3</b> <b>Hall: Chambers 2</b> <b>Futuristic Smart Energy Initiatives for Mega Cities</b> (1) Dr. Amit Ramchandra Kulkarni, Additional Executive Engineer, MAHA Transco (2) Dr. M. Selvaraj, Joint Director, CPRI (3) Sri.Devanand Pallikuth, Chief - PSCC & Tech Services (T&D,MO) Tata Power (4) Sri.Giridharan P, Transmission and Power electronics solution expert , Hitachi Energy (5) Dr. Subir Sen, Executive Director, PGCIL	<b>Panel Discussion PD - 2.4</b> <b>Hall: Conclave</b> <b>Enabling Grid Integration of Renewable Energy through Electricity Markets</b> (1) Sri. Samir Chandra Saxena - Director (Market Operation),Grid Controller of India Limited (2) Sri. Asit Singh, Member Secretary, SRPC (3) Sri. T. Srinivas, Chief General Manager, SRLDC (4) Sri. Malleshappa, Chief Engineer, SLDC (5) Ms. Ann Josey, Fellow, Prayas (Energy Group) (6) Sri. Rohit Bajaj, Joint MD, Indian Energy Exchange Limited	<b>Paper Session PS - 2.2</b> <b>Hall: Concord</b>  <b>Smartgrid Technologies: Artificial Intelligence, Communications and Cyber Security - II</b> <b>Paper ID: 57, 90, 132, 161, 249</b>	<b>Paper Session PS - 2.3</b> <b>Hall: Council</b>  <b>Smartgrid Technologies: Electric Mobility and Energy Storage</b> <b>Paper ID: 75, 220, 258, 327, 247</b>
	<b>15:30 - 16:00 Tea/Coffee break</b>			
16:00 - 17:30	<b>Panel Discussion PD - 2.5</b> <b>Hall: Chambers 2</b> <b>Cyber Security: Building Trust in Software and Hardware</b> (1) Dr. Gurunath Gurrula-Associate Professor,IISc,Bengaluru (2) Sri. Giri Prthivadi, VP of Engineering, Utityx (3)Sri. Sivaguru S G.Senior Technical Application Engineer, GE Vernova (4) Sri.Vijayan S R, Principal Technical Consultant, Hitachi Energy	<b>Panel Discussion PD - 2.6</b> <b>Hall: Conclave</b> <b>Electric Vehicles</b> (1) Sri. Ravikiran Annaswamy, CEO & MD, Numocity (2) Ms. Anu Ranganath - Consultant,World Resources Institute (WRI) India (3) Sri. Akshay Mukesh, Lead, Ather Energy (4) Sri Jyotirnanjan Harichandan, co-founder of Bolt.Earth	<b>Paper Session PS - 2.4</b> <b>Hall: Concord</b>  <b>Renewable Integration and Smart Distribution Systems - II</b> <b>Paper ID: 254, 102, 232, 252, 299, 320</b>	<b>Paper Session PS - 2.5</b> <b>Hall: Council</b>  <b>Smartgrid Technologies: Artificial Intelligence, Communications and Cyber Security - III</b> <b>Paper ID: 40, 267, 313, 13, 331</b>
	<b>17:30 - 18:00 Tea/Coffee break</b>			
18:00 - 20:00	<b>Cultural Program</b> <b>Hall: Main Hall - Chancery</b>			
20:00 - 21:00	<b>Gala Dinner</b> <b>Hall: Chambers 1 &amp; 2</b>			

**Wednesday, November 13, 2024**

09:00 - 09:30	<b>Key Note - 3</b>			
	Consideration to be made while implementing/Deploying the Virtual Protection Relays	Shri. Viju Ravindran, Director-Product Management at Kalkitech, India		
<b>Hall: Main Hall - Chancery</b>				
09:30 - 11:00	<b>Plenary Session - 3 Experience from Grid operators on high renewable integration: Present Challenges and solutions</b> (1) R.K. Porwal, Director (System Operation), Grid Controller of India Limited (2) Dean Sharafi, Head of System Management, Western Power, Australia. (3) Sri. Shashank Jewalikar, Executive Director, SLDC, Maharashtra (4) Sri Awdhesh Yadav, Chief Engineering, CERC (5) Sri. M.K. Ramesh, Chief General Manager, SDLC, Bengaluru			
	<b>Hall: Main Hall - Chancery</b>			
11:00 - 11:30	<b>Tea/Coffee</b>			
11:30 - 13:00	<b>Panel Discussion PD - 3.1</b> <b>Hall: Chambers 2</b> <b>Recent advancements of Power Electronics applications in renewables and storage solutions</b> (1) Dr. Priyaranjan Mishra, Founder Director, BelBird Technologies (2) Dr. Rakesh Panguloori, Applications Manager, Texas Instruments (3) Sri. Sripurnabodh Deshpande, General Manager Hardware Systems, Schneider Electric (4) Sri. Sugoto Maulik, Senior Electrical Engineer, American Energy Storage Innovation Inc	<b>Panel Discussion PD - 3.2</b> <b>Hall: Conclave</b> <b>Standards for Smart Grid</b> (1) Sri. Mr. Srichandra, IEEE (Moderator) (2) Dr. Allabaksha Naikodi, Head, Advance Technology, Mahindra Electric (3) Dr. Bharadwaj Sathyanarayana, Senior Product Owner and Engineering Manager, Siemens (4) Dr. Chandrasekhar Reddy Atla, DGM, PRDC	<b>Paper Session PS - 3.1</b> <b>Hall: Concord</b>  <b>Power System Simulations, operation, control and stability - II</b> <b>Paper ID: 69, 154, 173, 188, 332</b>	
	<b>13:00 - 14:00 Lunch break</b>			
14:00 - 15:30	<b>Paper Session PS - 3.2</b> <b>Hall: Chambers 2</b> <b>Industry Paper Session - I</b> <b>Paper ID: 234, 72, 275, 30, 321</b>	<b>Paper Session PS - 3.3</b> <b>Hall: Conclave</b> <b>Industry Paper Session - II</b> <b>Paper ID: 172, 175, 166, 255, 278</b>	<b>Paper Session PS - 3.4</b> <b>Hall: Concord</b> <b>Smartgrid Technologies: Power Markets, Ancillary services</b> <b>Paper ID: 63, 121, 164, 222, 309</b>	<b>Paper Session PS - 3.5</b> <b>Hall: Council</b> <b>Power System Protection and Safety - II</b> <b>Paper ID: 92, 144, 152, 158, 162</b>
	<b>15:30 - 16:00 Tea/Coffee break</b>			
16:00 - 17:30	<b>Open Session and Closing Ceremony</b> <b>Hall: Main Hall - Chancery</b>			