

Organizers:



Technical Co-Sponsor:



### CONFERENCE PROGRAMME STRUCTURE

MONDAY 04 NOVEMBER 2024			
9:00 Nepal Time	Registration Desk Opens		
	<b>HALL 1</b>	<b>HALL 2</b>	<b>CONFERENCE AREA</b>
10:00 – 11:00	Opening Ceremony		
11:00 – 12:00	<b>Keynote Speech I and II</b> <i>I: Powering What's Possible, <b>Jessica Bian</b></i> <i>II: Exploration on Theoretical and Technological Framework of Distributed Smart Grid, <b>Wenhu Tang</b></i>		
12:00 – 13:00	Lunch		
13:00 – 14:30	<b>Technical Session I</b> <b>Transmission and Distribution Systems</b> <i>Session Chair: <b>Wenhu Tang</b></i> Papers: 17, 48, 49, 67, 87	<b>Technical Session II</b> <b>Energy Planning and Market</b> <i>Session Chair: <b>Dean Sharafi</b></i> Papers: 29, 39, 79, 82, 103	Exhibitions
14:30 – 15:00	Break		
15:00 – 15:30	<b>Keynote Speech III</b> <i>III: Magnetics for Power Electronics, <b>Shrikrishna V. Kulkarni</b></i>		
15:30 – 17:00	<b>Technical Session III</b> <b>Power System Dynamics and Control</b> <i>Session Chair: <b>Arbind Kumar Mishra</b></i> Papers: 1, 16, 20, 22, 58	<b>Technical Session IV</b> <b>Electric Vehicles</b> <i>Session Chair: <b>Ajit Kumar Verma</b></i> Papers: 64, 70, 71, 81, 102	Exhibitions

TUESDAY 05 NOVEMBER 2024			
9:00 Nepal Time	Registration Desk Opens		
	<b>HALL 1</b>	<b>HALL 2</b>	<b>CONFERENCE AREA</b>
10:00 – 11:00	<b>Keynote Speech IV and V</b> <i>IV: Challenges and Opportunities of Energy Transition, <b>Dean Sharafi</b></i> <i>V: AI in Energy: Applications in Developing Economies, Supply Side Forecasting and the Charging strategies for Electric Vehicles, <b>Saman Halgamuge</b></i>		Exhibitions
11:00 – 12:30	<b>Technical Session V</b> <b>Smart Power Grid</b> <i>Session Chair: <b>Dinesh Kumar Ghimire</b></i> Papers: 30, 51, 68, 80, 98	<b>Technical Session VI</b> <b>Power System Protections</b> <i>Session Chair: <b>Nirmal Nair</b></i> Papers: 53, 65, 91, 99, 104	Exhibitions
12:30 – 13:30	Lunch		
13:30 – 14:30	<b>Keynote Speech VI</b> <i>VI: Enabling the DER Revolution, <b>Pierluigi Mancarella</b></i> <b>Plenary Speech I</b> <i>I: Securing Microgrids from Cyber-Physical Threats Through Distributed Trust and Reputation Management, <b>Malka N. Halgamuge</b></i>		Exhibitions
14:30 – 15:00	Break		
15:00 – 16:30	<b>Technical Session VII</b> <b>Distributed Generations and Microgrids</b> <i>Session Chair: <b>Brijesh Adhikary</b></i> Papers: 61, 94, 100, 105, 107		Exhibitions
16:30 – 17:00	<b>Invited Talk</b> <i>I: Get More Out of the Grid, with Enhanced Grid Technologies, <b>Frederic Vassort</b></i>		Exhibitions
19:00 – 21:00	Conference Dinner		

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### CONFERENCE PROGRAMME STRUCTURE

WEDNESDAY 06 NOVEMBER 2024			
9:00 Nepal Time	Registration Desk Opens		
	<b>HALL 1</b>	<b>HALL 2</b>	<b>CONFERENCE AREA</b>
10:00 – 11:00	<b>Keynote Speech VII</b> <i>VII: Emergent Digital Substations: Principles, Applications and Standards, Nirmal Nair</i> <b>Plenary Speech II</b> <i>II: A Computational Intelligence Framework for Optimal Maintenance of Power Plants, Ajit Kumar Verma</i>		Exhibitions
11:00 – 12:30	<b>Technical Session VIII</b> <b>Electrical Machines</b> <i>Session Chair : Lalit Bickram Rana</i> Papers : 25, 57, 62, 66, 69, 97	<b>Technical Session IX</b> <b>Energy Storage</b> <i>Session Chair: Basanta Kumar Gautam</i> Papers: 33, 76, 85, 88, 77	Exhibitions
12:30 – 13:30	Lunch		
13:30 – 15:00	Closing Ceremony		

### TUTORIAL SESSIONS

TUESDAY 05 NOVEMBER 2024	
	<b>HALL 1</b>
7:00 – 10:00	<b>Tutorial Session I</b> Insights into the Design of Transformers, <b>Shrikrishna V. Kulkarni</b>
	<b>HALL 2</b>
7:00 – 10:00	<b>Tutorial Session II</b> Challenges and Solutions for Protection System in Power System with Inverter-based Resources, <b>Francisco M. Gonzalez-Longatt</b>