Program Overview | 日程概览

Time	Nov. 06th| Friday			
	- Online -			
14:00-15:00	Test for Online Session			ZOOM
	- Onsite -			
13:00-17:00	Sign-in & Collecting Conference Material			Hotel Lobby/1F
	Nov. 07th| Saturday			
	- Onsite -			
	Host			
09:00-09:05	Welcome Address- Nanjing Institute of Technology			Kunlun Hall/2F
09:05-09:10	Opening Remarks- Jiangsu Society for Electrical Engineering			
09:10-09:15	*Group Photo*			
09:15-09:55	**Keynote Speech I: Prof. Vladimir Terzija, Newcastle University, UK** IEEE Fellow, Humboldt Fellow			
09:55-10:35	**Keynote Speech II: Prof. Fushuan Wen, Zhejiang University, China** IEEE Fellow			
10:35-11:15	**Keynote Speech III: Prof. Dean Sharafi** IEEE PES			
11:15-11:55	**Keynote Speech IV: Prof. Yuan Yubo, State Grid Jiangsu Electric Power Research Institute, China**			
11:55-13:30	*Lunch Time*	Jin Hai Wan Restaurant, 1F, Jinling Building		
	Conference Room 3-3F	Conference Room 6-3F	Conference Room 7-3F	Conference Room 8-3F
13:30-15:30	Best Paper Competition I	Oral Session 1	Oral Session 2A	Oral Session 3A
15:30-16:00	*Break Time*			
16:00-18:00	Best Paper Competition II	Oral Session 4	Oral Session 2B	Oral Session 3B
18:30-20:30	*Award Ceremony & Gala Dinner*	Jin's Cafe Restaurant, 2F, Asia-Pacific Building		
	Nov. 08th| Sunday			
	- Onsite -			
09:00-11:00	Conference Room 6-3F			
	Poster Session 1&2			
	- Online -			
10:00-12:00	**Online Room 1**	**Online Room 2**	**Online Room 3**	
	Online Session 1	Online Session 2	Online Session 3	

Session Information | 分会信息

Onsite Session Themes	
Nov. 07th| Saturday	
Best Paper Competition I	***Power Conversion, Energy Storage and Advanced Electrical Technologies***
	PE0525, PE1015, PE1987, PE4904, PE0513, PE8177
Best Paper Competition II	***Operation and Intelligent Control of New-Type Power Systems***
	PE0774, PE0010, PE1697, PE3095, PE1172, PE3531, PE8797
Oral Session 1	***Resilient and Adaptive Transmission Planning for Renewable-Dominated Power Systems***
	Can Huang, Yun Liu, PE3878, PE8173, PE0947, PE8037, PE7120, PE4202
Oral Session 2A	***Insulation Degradation Characteristics Mechanism, Intelligent Perception and Fault Diagnosis of Power Equipment***
	Li Tao, Xi Zhu, Cheng Pan, PE4766, PE6106, PE2825, PE5026, PE4027
Oral Session 2B	***Insulation Degradation Characteristics Mechanism, Intelligent Perception and Fault Diagnosis of Power Equipment***
	Jun Jiang, Linlin Zhong, PE8444, PE1660, PE4319, PE8502, PE0112
Oral Session 3A	***Market Mechanism Design and Coordinated Operation for Low-Carbon Power and Energy Systems***
	Beibei Wang, Xueshan Lin, PE1381, PE1174, PE6268, PE4307
Oral Session 3B	***Market Mechanism Design and Coordinated Operation for Low-Carbon Power and Energy Systems***
	Zhiqi Xu, Lun Xu, PE3251, PE4112, PE8429
Oral Session 4	***Electrical Equipment Modeling, Intelligent Control and Fault Diagnosis***
	Yuhua Sun, Minshuo Chen, PE1207, PE8883, PE5997, PE7151, PE8233, PE3448, PE0021
Nov. 08th| Sunday	
Poster Session 1	***Renewable Energy Systems, Energy Storage and Coordinated Grid Operation***
	PE0093, PE4508, PE5812, PE8710, PE0625, PE6607, PE1510, PE0331, PE7100, PE9182, PE1916, PE8290, PE9622, PE2076, PE2542, PE7781, PE8098, PE2900, PE0133, PE0134, PE3284
Poster Session 2	***Power Equipment, Power Electronics and Intelligent Diagnostics***
	PE9071, PE1203, PE2733, PE0094, PE7315, PE0178, PE5329, PE0061, PE8205, PE9092, PE1331, PE8596, PE6038, PE2275, PE2603, PE8302, PE4442, PE0809, PE9963, PE0122, PE3331
Online Session Themes	
Nov. 08th| Sunday	
Online Session 1	***Energy Management and Risk-Aware Planning of Power Systems***
	PE8838, PE8534, PE0072, PE0082, PE6670, PE0589, PE2758, PE4728, PE2580
Online Session 2	***Voltage and Frequency Control, Grid Support and Fault Protection***
	PE2411, PE4409, PE3885, PE9982, PE1120, PE7412, PE3609, PE7883
Online Session 3	***High-Voltage Equipment, Insulating Materials and Condition Assessment***
	PE0920, PE1084, PE8806, PE3541, PE5985, PE5683, PE9015, PE4944, PE1025

Keynote Speaker I

Prof. Vladimir Terzija

Newcastle University, UK

Date Nov 7, Saturday **Time** 09:15-09:55 **Venue** Kunlun Hall/2F

BIO

Professor Vladimir Terzija was born in Donji Baraci (Republika Srpska, former Yugoslavia). He received the Dipl-Ing., M.Sc., and Ph.D. degrees in electrical engineering from the University of Belgrade, Belgrade, Serbia, in 1988, 1993, and 1997, respectively. He is a Professor of Energy Systems & Networks at Newcastle University, UK. He is also a Distinguished Visiting Professor at Shandong and Tsinghua Universities, China, as well as a Guest Professor at the Technical University of Munich, Germany and University of Belgrade, Serbia. In the period 2021-2023 he was a Full Professor at Skoltech, Moscow, Russian Federation. In the period 2006-2020 he was the EPSRC Chair Professor at The University of Manchester, UK. From 2000 to 2006, he was a Senior Specialist for switchgear and distribution automation with ABB, Ratingen, Germany. From 1997 to 1999, he was an Associate Professor with the University of Belgrade, Belgrade, Serbia. His current research interests include smart grid applications, wide-area monitoring, protection and control, multi-energy systems, data analytics, and complexity science applications in power systems. Prof. Terzija is the Founding Editor in Chief of a new npj (nature partner journal) “Energy Systems and Resilience”, Humboldt Fellow, IEEE Fellow and the recipient of the National Friendship Award (China).

Speech Title: System Integrity Protection Schemes (SIPS) Against Cyber-Attack-Induced Cascading Outages

ABSTRACT

This presentation examines how cyberattacks can trigger or worsen cascading outages in increasingly digitalised power systems. It focuses on System Integrity Protection Schemes (SIPS), particularly controlled islanding, as an emergency strategy for limiting disturbance propagation. It distinguishes blackouts, as the final widespread loss of supply, from cascading outages, as the dynamic sequence of dependent failures shaped by operating conditions, topology and uncertainty. The role of WAMS, PMUs, synchrophasor data and communication infrastructure is discussed, highlighting both improved situational awareness and increased cyber-physical vulnerability. Representative attacks include false data injection, malicious RTU reprogramming and compromised software. Simulation studies compare system behaviour with and without controlled islanding. Results show that intentional islanding can reduce cascade extent, preserve service in retained areas and improve resilience against cyber-induced cascading failures.

Keynote Speaker II

Prof. Fushuan Wen

Zhejiang University, China

Date Nov 7, Saturday **Time** 09:55-10:35 **Venue** Kunlun Hall/2F

BIO

Fushuan Wen has been a full professor and the director of the Institute of Power Economics and Information in Zhejiang University (China) since 1997, a full professor in Hainan Institute, Zhejiang University since 2022, and a research professor in Chinese University of Hong Kong (Shenzhen) since 2026. He is also the director of Sanya Global Energy Institute, and a visiting principal research scientist in Shenzhen Institute of Artificial Intelligence and Robotics for Society.

He has been undertaking various teaching, research and visiting appointments in several universities including National University of Singapore, University of Hon Kong, University of New South Wales.

He has been listed in "Most Cited Chinese Researchers" in 11 consecutive years since 2015 by Elsevier. He is the editor-in-chief of "IET Energy Conversion and Economics", the deputy editor-in-chief of "Automation of Electric Power Systems", "Smart Power & Energy Security", "Power Grid Engineering Science" and "Distributed Energy", a subject editor in power system economics of "IET Generation, Transmission and Distribution". He is also on the editorial boards of more than 10 journals.

He was elected to IEEE Fellow for contributions to fault diagnosis in power grids.

Speech Title: Ancillary Service Procurement in China: Transitioning from Administrative Measures to Market-Based Mechanisms

ABSTRACT

This speech will cover the following topics: 1) Power industry restructuring in China: brief survey; 2) Ancillary services in China; 3) Ancillary services as valuable commodities in China; 4) New developments in "the two detailed rules" for ancillary services; 5) Basic rules for ancillary services markets; 6) Existing problems and possible solutions.

Keynote Speaker III

Prof. Dean Sharafi

IEEE PES

Date Nov 7, Saturday **Time** 10:35-11:15 **Venue** Kunlun Hall/2F

BIO

Dean Sharafi is the Strategic Advisor on energy transition at the Australian Energy Market Operator (AEMO). Dean holds a degree in Applied Physics, a degree in Electrical Engineering and a degree in Business Management. He has around 30 years of experience in power system engineering which includes Power System Protection, High Voltage Systems, Asset Management and Power System and Electricity Market Operation. He is a member of Australian Institute of Management, Cigre, Engineers Australia and a senior member the IEEE. Dean has been actively involved with IEEE Power and Energy Society initiatives and Cigre Working Groups over the last two decades and served as a member of the Governing Board of the IEEE PES from 2017 to 2022, and is currently the PES Treasurer. Dean is an Associate Editor for the IEEE Transactions on Power Systems Journal and an IEEE Distinguished Lecturer.

Speech Title: Energy Transition, Challenges and Opportunities

ABSTRACT

Modern power systems are continuously integrating high levels of renewable energy and are facing several challenges due to this evolution. Power grids were designed based on concepts that are continuously changing and our operation must adapt to the new paradigm. We are seeing power systems shifting from synchronous generation to inverter-based ones, we are moving from a small number of generators located in certain parts of the grid, to very high number of generators located in many parts of the power system, we are shifting from concentrated energy resources to consumer energy resources, also known as DER. While these changes have brought about many opportunities, they have resulted in the need to understand how these changes are affecting the power systems and the way we operate them. There are many aspects to be considered and the industry resources need to join with research community to rise to these challenges and use the opportunities created. This talk will focus on challenges and the potential solutions going forward.

Keynote Speaker IV

Prof. Yubo Yuan

State Grid Jiangsu Electric Power Research Institute, China

Date Nov 7, Saturday **Time** 11:15-11:55 **Venue** Kunlun Hall/2F

BIO

TBA

Speech Title: Exploring Efficient, Low-Carbon Development of Computing Centers and Computing–Power Coordination Enabled by New-Type Power Systems

ABSTRACT

TBA