The 6th International Symposium on Smart Grid-Methods, Tools and Technologies

Chairmen: Prof. Vladimir Terzija, School of Electrical Engineering, Shandong University; Newcastle University

Prof. Yutian Liu, School of Electrical Engineering, Shandong University

Technical Chair: Prof. Lei Ding, The Dean of School of Electrical Engineering, Shandong University

Organizer: Shandong University, Institute of Industrial Technology for Energy Internet

Room: Mingde Room, 3F, Xuefu Hotel

Time: 08:30-20:00, November 6, 2025

Invited Lecture:

Time Slot	Speaker	Topic	Host
8 : 40-9 : 10	**Nikos Hatziargyriou** National Technical University of Athens	**Microgrids for Power System Resilience Enhancement**	Professor Vladimir Terzija
9 : 10-9 : 40	**Goran Strbac** Imperial College London	**Role and Value of Flexibility in Supporting Cost Effective Decarbonisation of Energy Systems**	
9 : 40-10 : 10	**Yanli Liu** Tianjin University	**Small Data based AI Enabled Enhanced Situational Awareness**	
10 : 40-11 : 10	**Chul-Hwan Kim** Sungkyunkwan University	**AC/DC Hybrid Distribution Systems**	
11 : 10-11 : 40	**Alfredo Vaccaro** University of Sannio	**Enabling Proactive Dynamic Security Assessment by Artificial Intelligence-based Models**	
11 : 40-12 : 10	**Qianwen Xu** KTH Royal Institute of Technology	**AI Driven Modeling & Control of Future Power Converter Dominated Grids**	
14 : 00-14 : 30	**Kai Strunz** Technical University of Berlin	**Grid-Forming Converters and Resources for 100 % Renewable Power Systems**	Professor Chongqing Kang
14 : 30-15 : 00	**Milutin Jovanovic** Northumbria University	**Wind Turbines: Progress, Challenges, and Future Trends**	
15 : 00-15 : 30	**Jin Zhao** Trinity College Dublin	**The Role of AI in Enhancing Power System Resilience**	
15 : 30-16 : 00	**Fei Teng** Imperial College London	**Economics of Grid Forming Converters**	
16 : 30-17 : 00	**Vedran Peric** University of Bayreuth	**Quantum Computing in Power System Operations**	
17 : 00-17 : 30	**Xin Zhang** University of Sheffi eld	**Cyber-Physical Power Systems Digital Simulation and Security Analysis**	
17 : 30-18 : 00	**Shahab Dehghan** Newcastle University	**Towards a Climate-Resilient Net-Zero Transition: From Microgrids to Supergrids**	
18 : 00-18 : 30	**Timur Saifutdinov** Xi'an Jiaotong-Liverpool University	**New Markets for a New Grid: Integrating Technologies and Carbon in Electricity Markets**	