

4th SPIES 2022

2022 4th International Conference on Smart Power & Internet Energy Systems

October 27-30, 2022, Beijing, China



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Important Dates

Submission Deadline	July 25, 2022
Notification of Acceptance/ Rejection	August 25, 2022
Registration Deadline	September 10, 2022
Conference Date	October 27-30, 2022

Prof. Wenchuan Wu, Tsinghua University, China
Prof. Mei Su, Central South University, China
Prof. Chunming Tu, Hunan University, China

Special Session Chairs

Prof. Xiong Du, Chongqing University, China
Prof. Chunxia Dou, Nanjing University of Posts and Telecommunications, China

Tutorial Chairs

Prof. Xiaoming Zha, Wuhan University, China
Prof. Alian Chen, Shandong University, China
Prof. Zhikang Shuai, Hunan University, China

Award Chairs

Prof. Jinjun Liu, Xi'an Jiaotong University, China
Prof. Hongchun Shu, Kunming University of Science and Technology, China
Prof. Wuhua Li, Zhejiang University, China

Publicity Chairs

Prof. Yongqian Liu, North China Electric Power University, China
Prof. Lei Lin, Huazhong University of Science and Technology, China
Prof. Hong Li, Beijing Jiaotong University, China
Prof. Somporn Sirisumrannukul, King Mongkut's University of Technology North Bangkok, Thailand

About SPIES 2022

2022 4th International Conference on Smart Power & Internet Energy Systems (SPIES 2022) will be held in Beijing, China on October 27–30, 2022.

The International Conference on Smart Power & Internet Energy Systems is one of the principal events for power and energy experts from academia, industry, utilities, power and energy service providers, researchers and scientists across the globe to exchange ideas and experiences on emerging and enabling technologies.



SPIES 2022 is co-sponsored by **Tsinghua University, China** and **Shandong University, China**. It is also technically co-sponsored by **IEEE Industry Applications Society, IEEE Industrial Electronics Society and IEEE Power and Energy Society**. And great supports also come from University of Vaasa, University of Technology of Belfort–Montbéliard, Changmai University, Université de Bretagne Occidentale, Auckland University of Technology, University of Nottingham Malaysia and Qatar University etc.

Publication

The accepted and presented papers of the 2022 4th International Conference on Smart Power & Internet Energy Systems (SPIES2022) will be published in conference proceedings to be archived into IEEE Xplore® Digital Library, indexed by Ei Compendex, Scopus, INSPEC, Thomson Reuters' Web of Science, and others.

Some excellent papers (30%~40%) will be recommended to IEEE Transactions on Industry Applications, CSEE Journal of Power and Energy Systems, and Journal of Modern Power Systems and Clean Energy.

Plenary Speakers

The conference organizing committee is delight to have secured some highly experienced, well known Plenary Speakers to deliver presentations.



Plenary Speaker I
Prof. Yusheng XUE
State Grid Electric Power Research Institute,
China



Plenary Speaker II
Prof. Xiaohong Guan (IEEE Fellow)
Xi'an Jiaotong University, China



Plenary Speaker III
Prof. Kaushik Rajashekara (IEEE Fellow)
University of Houston, USA



Plenary Speaker IV
Prof. Leila Parsa (IEEE Fellow)
University of California Santa Cruz,
USA

Keynote Speakers



Prof. Yang Shi (IEEE Fellow)
University of Victoria, Canada



Prof. Jinjun Liu (IEEE Fellow)
Xi'an Jiaotong University,
China



Prof. Xinbo Ruan (IEEE Fellow)
Nanjing University of Aeronautics and Astronautics (NUAA),
China



Prof. Badrul Chowdhury
University of North Carolina
at Charlotte (UNCC), North
Carolina, USA



Prof. Innocent Kamwa (IEEE Fellow)
Laval University, Canada



Prof Vladimir Terzija (IEEE Fellow)
Skoltech, Moscow, Russia



Prof. Gianfranco Chicco (IEEE Fellow)
Politecnico di Torino, Italy



Prof. Qiuye Sun (IET Fellow)
Northeastern University in
China



Prof. Hong Li
Beijing Jiaotong University,
China

Call for Papers:

SPIES 2022 focuses on Smart Power & Internet Energy Systems in real engineering and scientific problems. Prospective authors are invited to submit papers on relevant Tracks including, but not limited to:

Track 1: DC power transmission and DC power grid

Chairs:

Chengyong Zhao, North China Electric Power University, China
Jun Liang, Cardiff University, UK

Track 2: Modeling and stability analysis of renewable energy system

Chairs:

Xiong Du, Chongqing University, China
Xiongfei Wang, Aalborg University, Denmark

Track 3: Modeling and control of distributed energy sources

Chairs:

Lantao Xing, Shandong University, China
Yuemin Ding, University of Navarra, Spain
Xiaoqiang Guo, Yanshan University, China
Christian A. Rojas, Universidad Tecnica Federico Santa Maria, Chile

Track 4: Design and control for electrical machines and drives

Chairs:

Wei Xu, Huazhong University of Science and Technology, China
Chengming Zhang, Harbin Institute of Technology, China
Md Rabiul Islam, University of Wollongong, Australia
Mohamed Gamal Hussien, Tanta University, Egypt

Track 5: Power electronic device and its reliability

Chairs:

Laili Wang, Xi'an Jiaotong University, China
Li Ran, University of Warwick, UK

Track 6: Topology and control of power converters

Chairs:

Chunming Tu, Hunan University, China
Yam Siwakoti, University of Technology Sydney, Australia
Qi Guo, Hunan University, China

Track 7: Electromagnetic compatibility (EMC) technology

Chairs:

Hong Li, Beijing Jiaotong University, China
Zhenyu Zhao, Nanyang Technological University, Singapore
Yitao Liu, Shenzhen University, China

Track 8: Electrified transportation technology and applications

Chairs:

Zedong Zheng, Tsinghua University, China
Wensheng Song, Southwest Jiaotong University, China
Marek Jasinski, Warsaw University of Technology, Poland

Track 9: Energy storage technology and system

Chairs:

Xiaosong Hu, Chongqing University, China
Remus Teodorescu, Aalborg University, Denmark

Track 10: Optimization and control of cyber-physical energy system

Chairs:

Zhanbo Xu, Xi'an Jiaotong University, China
Lei Wu, Stevens Institute of Technology, USA

Track 11: Electricity demand and marketing

Chairs:

Haiwang Zhong, Tsinghua University, China
Qixin Chen, Tsinghua University, China
Michael Davidson, University of California, San Diego, USA

Track 12: Optimal management and control of smart grid

Chairs:

Qiuye Sun, Northeastern University, China
Yushuai Li, University of Oslo, Norway
Rui Wang, Northeastern University, China

Track 13: Fault diagnosis and protection of power system

Chairs:

Guobing Song, Xi'an Jiaotong University, China
Qiteng Hong, University of Strathclyde, UK

Track 14: Energy internet and cyber resilience

Chairs:

Lei Ding, Nanjing University of Posts and Telecommunications, China
Yan Xu, Nanyang Technological University, Singapore

Track 15: Forecasting of renewable energy and power demand

Chairs:

Dazhi Yang, Harbin Institute of Technology, China
Tao Hong, University of North Carolina at Charlotte, USA
Yi Wang, The University of Hong Kong

Track 16: High-voltage and insulation technology

Chairs:

Guoming Ma, North China Electric Power University, China
Joseph YAN, University of Liverpool, UK
Li Zhang, Shandong University, China

Track 17: Modern power system: stability and control

Chair:

Lei Chen, Tsinghua University, China
Kai Sun, University of Tennessee – Knoxville, USA

Track 18: Artificial intelligence in power systems

Chairs:

Yi Tang, Southeast University, China
Qihua Huang, Utili Data Inc., USA
Yujian Ye, Southeast University, China

Contact Methods



Conference Secretary:

Mr. Cheney Zhu and Ms. Amy Lu



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