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### 11.3 Supper session guide

Session Name	Topic	Session Number	Time	Location	Page
Supper Session 1	Big Data and Artificial Intelligence in Power System	Su1	Oct. 23rd, Saturday 20:00-22:00	Taiyuan Hall	
Supper Session 2	Power System Protection and Control	Su2	Oct. 23rd, Saturday 20:00-22:00	Fenhe Hall	
Supper Session 3	New Power Systems and Integrated Energy	Su3	Oct. 23rd, Saturday 20:00-22:00	Taihang Hall	

## 13. Supper session details

### Supper Session 1: Big Data and Artificial Intelligence in

#### Power System Operation

Oct. 23rd, Saturday 20:00-22:00, Taiyuan Hall

Chair(s):

**Wenchuan Wu**  
**Professor**  
**Tsinghua University**

Panelist:

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| 20:00-20:30 | Su1-01<br><i>How to See More Than the Tip of the Iceberg in Data Driven Power System Analysis —To Find Cause and Effect Relationships Hidden Behind Operation Data</i><br><b>Gang Mu</b><br>Professor, Northeast Electric Power University |
| 20:30-21:00 | Su1-02<br><i>Modeling, Perception and Dispatch of New Power System Based on Deep Learning</i><br><b>Shengwei Mei</b><br>Professor, Tsinghua University   |
| 21:00-21:30 | Su1-03<br><i>Application of Digital Twin to Power Grid Operation</i><br><b>Mike Zhou</b><br>Doctor, China Electric Power Research Institute  |
| 21:30-22:00 | Su1-04<br><i>Discussion on the Risk of New Power Systems</i><br><b>Kaigui Xie</b><br>Professor, Chongqing Univeristy   |

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## Supper Session 2: Power System Protection and Control

Oct. 23rd, Saturday 20:00-22:00, Fenhe Hall

Chair(s):

**Xuzhu Dong**  
**Professor**  
**Wuhan University**

Panelist:

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| 20:00-20:30 | Su2-01<br><i>Feeder Automation System Based on Advanced Protective Relaying Technology</i><br><b>Xinzhong Dong</b><br>Professor, Tsinghua University  |
| 20:30-21:00 | Su2-02<br><i>Neutral Flexible Grounding Method with Voltage Source and Its Active Regulation Techniques for Distribution Networks</i><br><b>Xiangjun Zeng</b><br>Ph.D. ,Changsha University of Science & Technology |
| 21:00-21:30 | Su2-03<br><i>Concept and Perspectives of New Distribution Systems</i><br><b>Xuzhu Dong</b><br>Professor,Wuhan University  |
| 21:30-22:00 | Su2-04<br><i>Protection Principle and Fault Current Limiting Techniques for VSC-Based DC Grid</i><br><b>Bin Li</b><br>Professor,Tianjin University  |



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## Supper Session 3: New Power Systems and Integrated Energy

Oct. 23rd, Saturday 20:00-22:00, Taihang Hall

Chair(s):

**Xiaoming Yuan**  
**Professor**  
**Huazhong University of Science and Technology**

Panelist:

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|-------------|---|
| 20:00-20:30 | Su3-01<br><i>Amplitude and Frequency Modulation Theory for Analysizing Power System Dynamics</i><br><b>Xiaoming Yuan</b><br>Professor,Huazhong University of Science and Technology |
| 20:30-21:00 | Su3-02<br><i>New Power System Under the Target of Carbon Peaking and Carbon Neutralization</i><br><b>Jizhong Zhu</b><br>Professor,South China University of Technology              |
| 21:00-21:30 | Su3-03<br><i>An Autonomically Coordinated Planning and Design Method for Cross Border Energy Systems</i><br><b>Pingliang Zeng</b><br>Professor, Hangzhou Dianzi University          |
| 21:30-22:00 | Su3-04<br><i>Exploration and Practice of Power Electronics Solutions for the Novel Power System</i><br><b>Lang Huang</b><br>General manager,TBEA Xinjiang Sunoasis Co., Ltd.        |