

# IEEE I&CPS ASIA 2023 SPECIAL SESSION ON

## Multi-Market Equilibrium Analysis: Challenges and Solutions

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# IEEE I&CPS

—Asia 2023—

2023 IEEE IAS Industrial and  
Commercial Power System Asia Conference

July 7–9, 2023 | Chongqing, China

### CONFERENCE INTRODUCTION

Sponsored by IEEE, IEEE IAS, organized by Chongqing University, China Electrotechnical Society, co-organized by University of Electronic Science and Technology of China, Shandong University, North China Electric Power University, Supported by Global Energy Interconnection and DeCarbon. 2023 IEEE IAS Industrial and Commercial Power System Asia (IEEE I&CPS Asia 2023) Conference will be held during July 7–9, 2023 in Chongqing, China.

### SPECIAL SESSION ON

**Session Title: Multi-Market Equilibrium Analysis: Challenges and Solutions**

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Abstract: Market equilibrium analysis is a quantitative analysis tool to verify the effectiveness of power market mechanism design. However, the power market is currently characterized by diversification of market players, diversification of trading varieties, and complexity of organizational timing, making it difficult to solve and analyze market equilibrium. On the one hand, the market participants involve four categories of generation, grid, load and energy storage, and the game process among them is difficult to be mathematically expressed. On the other hand, the multi-market environment formed by carbon market, green certificate market and other financial derivatives makes the decision-making dimension increase, which makes it difficult to solve the equilibrium. Therefore, it is very meaningful to explore the solution and analysis method of market equilibrium in multi-market environment to help the design of power market mechanism.

For more details, please visit at <http://iee-icps.com/2023/ss001.html>

### PAPER SUBMISSION IMPORTANT DATES:

Submission Deadline: April 15, 2023

Notification Deadline: May 15, 2023

### PUBLICATION

Submissions to IEEE I&CPS 2023 will be peer reviewed on the basis of technical quality, relevance to conference topics, originality, significance, clarity, etc. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

### SUBMISSION REQUIREMENTS

- The submission has not been previously published, nor is it before another conference for consideration (or an explanation has been provided in Comments to the Director).
- Prospective authors should prepare a completed final manuscript following IEEE template, with titles and names, affiliations, addresses, and email of all co-authors.
- All submissions should be written in English with a maximum paper length of six (6) printed pages including figures and references without incurring additional page charges (maximum 4 additional pages with over-length page charge for an additional fee, if accepted) in the standard IEEE two-column conference format. The fee for the additional page can be seen here. Papers exceeding 10 pages will not be accepted.

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