

Call For Papers



2021 10th International Conference on Power Science and Engineering

Oct. 21–23, 2021 | Yildiz Technical University, Istanbul, Turkey
Hybrid Virtual Style



<http://icpse.org>

Special Session Title: Energy Trading and Market Participation of Electrical Vehicles

The spread of Electric vehicles (EVs) has accelerated even more in the last decade because of the need for providing less greenhouse gas emissions (GHG) and more efficient use of energy. In addition to the environmental benefits, EVs are considered as the new type of electrical load with inherently different characteristics. Moreover, EVs are evaluated with the capability of offering operational flexibility. As an innovation provided by the smart grid, EVs' flexibility is realized by facilitating integration into the power system in daily life.

From an economic perspective, EV integration requires a suitable trading platform and a market mechanism. Appropriate infrastructure is required to realize EV trading and its participation in the electricity market. Also, proper socio–techno–financial mechanisms should be designed for this purpose. The impacts of EV participation on the performance of electricity markets need to be addressed precisely. On the other hand, the development of effective decision–making tools can be of interest for the EV owners to participate more in a reliable trading mechanism.

Main Organizer: Dr. Mohammad Reza Salehizadeh, Marvdasht Branch, Islamic Azad University, Iran
Other Organizer: Dr. Ozan Erding, Yildiz Technical University, Turkey

Paper Publication

All papers will be subject to the same peer review process as for regular papers. After peer–reviewing, accepted and presented papers will also be published in the ICPSE 2021 conference proceedings.

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To address recent achievements, this special session intends to cover the emerging finding in the area of EV energy trading and market participation. The subjects include, but not limited to:

- V2V energy trading
- Bidding strategy of EVs
- Participation of EVs in retail electricity market
- P2P trading platforms for EVs
- EV aggregators and wholesale electricity market
- V2G services and energy trading

More topics, please visit: <http://icpse.org/session.html>

Submission Methods

1. Please log in EasyChair to submit your paper or abstract by the link (<https://www.easychair.org/conferences/?conf=icpse2021>)
2. You could submit by email directly (Email: secretary@icpse.org)

Note: If you are interested in the special session, please send email to secretary@icpse.org after your submission.

Important Dates

Submission Deadline for Full Paper or Abstract	September 5, 2021
Paper and Abstract's Acceptance	September 20, 2021
Camera–Ready Manuscripts Due	October 1, 2021
Registration Deadline	October 1, 2021

Contact us

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Keynote Speakers



Prof. Bikash Pal,
IEEE Fellow,
Imperial College London, UK



Prof. Gianfranco Chicco,
IEEE Fellow,
Politecnico Di Torino, Italy



Prof. Fangxing Li,
IEEE Fellow,
The University of Tennessee, USA



Prof. João P. S. Catalão,
IEEE Senior Member,
University of Porto, Portugal