

Call For Papers

Special Session: Advanced Management and Control in Smart Grids and Electric Vehicles

Conference: The 2022 International Conference on Cyber-physical Social Intelligence (ICCSI)

Date: October 21-24, 2022

Meeting mode: Hybrid

Location: Nanjing, China

Web site: <https://iccsi2022.agist.org>

As the energy demand is continuously increasing, the smart grid technology becomes more and more important. In recent years, smart grid has turned out to be critical that can strongly tackle the present issues and future challenges of energy. As an important part of smart grid, electric vehicles (EVs) are generating significant consumer and political interest. However, given the sizable amount of electricity they require for charging, EVs are also generating concern among utilities tasked with supplying that electricity on the nation's grid. Therefore, the advanced energy management and control technology in smart grid and EVs is very important for their development. This Special Issue will address various aspects related to the smart grids and EVs, with a special focus on advanced management and control aspects. The Special Issue welcomes original and innovative contributions regarding new models and methods, as well as real solutions and real-live experiences.

Interested topics include (but not limited to):

- Energy storage systems in smart grids
- Renewable energy systems in smart grids
- Artificial intelligence (AI) for smart grids
- Economic management and dispatching in smart grids
- Vehicle-to grid (V2G), vehicle-to-building (V2B), vehicle-to-home (V2H), vehicle-to-everything (V2X)
- Energy storage system management and control in electric vehicles
- Electric vehicles fast charging
- Battery modeling, state estimation and prognostics health management (PHM) in electric vehicles

Important Dates:

May 15, 2022,	Full paper submission
July 1, 2022,	Acceptance/Rejection notification
August 31, 2022,	Final camera-ready papers due

Special Session Co-chairs:

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All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above