

Special Issue

Sensors in Smart Battery Management

Message from the Guest Editor

Smart battery management plays a vital role in smart cities and smart industry. The aim of this Special Issue is to compile the latest developments in intelligent algorithms with industrial sensors operating in uncertain environments. Topics of particular interest include (but are not limited to):

- Algorithms for the estimation of state of charge, health, and function
- Sensing methods for batteries
- Sensors for batteries
- IoT-based smart battery management
- Dynamic temperature measurement and control
- Physics-driven and data-driven prognostics and diagnostics
- Review of lithium-ion batteries for EV
- Estimation of battery parameters using AI
- Cell balancing of batteries
- Thermal modelling of battery
- Control of battery-powered underwater vehicles
- Control of hybrid vehicles with fuel cells
- Lithium-ion batteries for aerospace applications
- Small unmanned battery powered drones
- Smart battery applications

Please contact the or the Assistant Editor at (ava.jiang@mdpi.com) for any queries. For more information, please visit the website at: <https://www.mdpi.com/si/140434>

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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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