

IEEE International Conference on Industrial Electronics for Sustainable Energy Systems (IESES 2023)

Special Session on

SCAP, DWPT and WIWM for Sustainable Society

**(SCAP: Super CAPacitor,
DWPT: Dynamic Wireless Power Transfer,
WIWM: Wireless In-Wheel Motor)**

Organized by

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Call for Papers

Theme:

What will cars look like in 100 years' later? They must be driven by "electric motors" and will receive energy directly from electric power infrastructure like electric trains. The key technologies here are "supercapacitors", which outperform batteries in terms of power input and output, and "wireless power transfer" to connect cars to power infrastructure. Furthermore, energy efficiency and safety will be dramatically improved by the technology of "motion control" to make full use of the excellent torque control characteristics of electric motors. This special session will broadly discuss on such important industrial electronics technologies for a sustainable society, with a slight emphasis on SCAP.

Topics of interest include, but are not limited to:

1	Super Capacitor Technology and its Applications
2	New Materials for Sustainable Energy Systems
3	Reduction of EV On-board Batteries
4	Dynamic Wireless Power Transfer for EVs
5	Energy Supply System for In-motion EV
6	Motion Control of Electric Vehicles
7	Inwheel Motor Applications
8	Any related Topic aiming at Sustainable Automotive Society

Supported by:

Capacitors Forum
JSAE Wireless Power Transfer Systems Technical Committee
JSAE Electric Propulsion Technical Committee
IEEJ Automotive Engineering Committee

Submissions Procedure:

All the instructions for paper submission are included in the conference website:

<https://www.ieee-ieses.org>

Deadlines:

Full paper submission: Mar. 31, 2023
Paper acceptance notification: Apr. 15, 2023
Camera-ready paper submission: May 15, 2023