



# Annual International Symposium on Industrial Electronics (ISIE) 2023

Special Sessions on

“Artificial Intelligence for Smart Home and Energy  
Reduction”

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## Call for Papers

Theme:

This special session will be the opportunity to evaluate the latest artificial intelligent techniques (identification, classification, and control) for smart home, energy reduction and self-consumption. The objective is the home control, energy saving, data analysis, smart measures, the improvement of power quality. An application of advanced techniques and artificial intelligence is a good opportunity for energy saving. Also, the solutions based on these techniques can improve the environmental measures and power quality issues and reduce the power consumption. It is therefore important to use the most effective identification and control methods to meet new requirements.

Topics of interest include, but are not limited to:

1	Home Energy Management System
2	Smart measures
3	Energy efficiency
4	Power quality improvement
5	Analyzing the impact of prosumers in grids
6	Mathematical and economic modelling of the Prosumer as an autonomous system
7	Energy charring
8	Improve the peak demand management
9	Consumption reduction
10	Modelling of electrical appliances, electrical systems, and power plants

## Submissions Procedure:

All the instructions for paper submission are included in the conference website:  
<https://2023.ieee-isie.org/>

## Deadlines:

Full paper submission:	January 31, 2023
Paper acceptance notification:	April 15, 2023
Camera-ready paper submission:	April. 30, 2023