

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

## Special Session on

### “Regenerative Energy Utilization in Traction Power Supply System”

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## Call for Papers

Theme:

In the power supply system of urban rail, there is great potential for regenerative braking energy utilization because of the frequent braking energy harvesting of trains, restrain the fluctuation of traction network voltage. With the development of technology, energy feedback system (EFS), energy storage system (ESS), and bi-directional converter device (BCD) are widely applied worldwide. To improve the system efficiency and competitiveness of rail transit system, energy-saving performance evaluation, optimization and coordination of regenerative energy utilization devices are the main research interests. Innovation research, improved methods and results in regenerative energy utilization are welcomed.

Topics of interest include, but are not limited to:

1	Energy feedback system
2	Energy storage system
3	Bi-directional converter
4	Energy storage system in electrified railway system
5	Energy-saving performance evaluation for regenerative energy utilization in Traction Power Systems
6	Optimization configuration of regenerative energy utilization in electrified railway
7	Coordination between regenerative energy utilization device and associate system

**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