



The 44th IEEE International Telecommunications Energy Conference (INTELEC 2027) will be held in ACROS Fukuoka, Fukuoka-City, Japan on 18-21 April 2027. The conference is a PELS flagship conference focusing on Telecommunications Energy. INTELEC 2027 continues to retain its tradition of high-quality conference and will open up an opportunity for academics and industrial professionals worldwide to exchange their knowledge of the state-of-the-art power electronics and energy storage in telecommunication and wide area of IT technology. Papers presented in conference will be processed by VDE-Verlag and will be included in IEEE Xplore Digital Library.

The conference will cover a range of themes and tracks, including:

1. Power converters, control, and other technologies for ICT infrastructure
2. Data center power management
3. Energy storage for grid, communication, and transportation systems
4. Semiconductor Technologies in ICT Energy Systems
5. Automotive Applications in ICT Energy Systems
6. Resilient, reliable, and highly available infrastructure for mission-critical applications.

Important Dates

2026.6.1 Submission Open
2026.8.18 Submission Deadline
2026.11.1 Notification
2026.12.18 Deadline of registration

Steering Committee

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Exhibition:
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Organizer: IEEE Power Electronics Society
Supporters: IEEE PELS Fukuoka Chapter, IEEE PELS Japan Joint Chapter, IEICE Communication Society

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