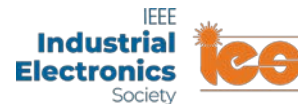




**IEEE International
Conference on Power
Electronics and
Energy (ICPEE 2025)**



Special Session 10 (SS 10)

SS 10: Intelligent, Sustainable, Equitable: Charting the Future of Power System Infrastructures

Organized and co-chaired by:

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Call for Papers

Technical Outline of the Session:

Our global energy landscape faces critical challenges - reliance on fossil fuels, outdated grids, and sluggish sustainability efforts. This special session, "Intelligent, Sustainable, Equitable: Charting the Future of Power System Infrastructures" explores cutting-edge solutions to modernize energy systems. Key topics include AI-driven grid optimization, smart infrastructure upgrades, large-scale renewable integration, and advanced storage systems. We'll also address decentralized energy solutions, equitable transmission expansion, robust cybersecurity, and regulatory reforms. Emphasizing innovation, policy, and workforce development, the session aims to foster actionable strategies for a secure, resilient, and sustainable energy future powered by technology, intelligence, and inclusive growth.

Topic of the Session includes, but are not limited to:

- ❖ The Intelligent Grid Reinventing Power with Smart Technologies
- ❖ Next-Gen Infrastructure: Building the Backbone of Tomorrow's Grid
- ❖ Renewables at Scale: Orchestrating a Clean Energy Symphony
- ❖ Local Power, Global Impact: The Rise of Microgrid
- ❖ The Cyber Shield: Defending the Grid in a Digital Age

Important Dates:

Special Session Paper Submission Due Date: 15.08.2025

Notification of Paper Acceptance Date: 31.08.2025

Camera Ready Paper Submission Due: 15.10.2025

Author guidelines areas per regular paper submission.

[IEEE Template](#)

[Submission Portal](#)

<https://icpee.kiit.ac.in/special-sessions/>

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