



6th IEEE International Conference on Sustainable Energy and Future Electric Transportation (IEEE SeFet 2026)

08th - 11th July, 2026, VNIT Nagpur, Maharashtra, INDIA



Call for Papers: Special Session 7

SS7: Intelligent Wind and Hybrid Renewable Energy Systems: Reinventing the Global Energy Future

Special Session Organizers:



Dr. Satyendra Pratap Singh
Poornima University, Jaipur,
India
satyendra.singh@poomima.edu.in



Dr. Ravi Bhushan
NIT Jamshedpur, Jharkhand,
India
ravibhushanitbhu@gmail.com



Dr. Dhivya Sampath Kumar
Singapore Institute of Technology,
Singapore
dhivya.sampathkumar@singaporetech.edu.sg

About the Session: The growing deployment of wind and hybrid renewable energy systems demands intelligent solutions to manage variability, forecasting, grid stability, and security challenges. This special session will provide a focused platform to explore how AI, digital twins, smart microgrids, and predictive analytics can enhance efficiency, resilience, and automation in next-generation renewable infrastructures.

Topics (but not limited to):

- AI-Based Forecasting and Optimization in Wind & Hybrid Renewable Systems
- Predictive Maintenance and Performance Analytics for Wind Turbines
- Hybrid Wind–Solar–Storage Energy Management
- Smart Microgrids and Intelligent Grid Integration
- Cybersecurity and Blockchain in Renewable Grids
- Digital Twins for Renewable System Monitoring and Control
- IoT and Edge Computing for Real-Time Renewable Operations
- Decentralized Control and Multi-Agent Systems in Hybrid Grids

Paper Submission Closes: 31st Jan 2026
Notification of Acceptance: 15th March 2026
Final Camera-ready paper: 5th June 2026

Conference Date: July 8th -11th 2026

All presented papers will be considered for further review in IEEE Transactions on Industry Applications and IEEE Industry Applications Magazine.

Organised by:

Department of Electrical Engineering
Visvesvaraya National Institute of Technology, Nagpur

For more details visit: <https://vnit.ac.in/sefet26/>