



# 6<sup>th</sup> IEEE International Conference on Sustainable Energy and Future Electric Transportation (IEEE SeFet 2026)

08<sup>th</sup> - 11<sup>th</sup> 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:



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**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: 5<sup>th</sup> June 2026

Conference Date: July 8<sup>th</sup> -11<sup>th</sup> 2026

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

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