Brandenburgische Technische Universität Cottbus - Senftenberg

Call for Abstracts

Symposium on Renewable Feed-in Forecasting

November 25, 2025

Startblock B2/ Kleiner Saal, Siemens-Halske-Ring 2, 03046, Cottbus

Key Dates

Abstract submission opens
July 15, 2025

Deadline for abstract submission
September 15, 2025

Notification of acceptance
September 30, 2025

Final presentation submission
November 15, 2025

Keynote Speakers

Prof. Dr. Emanuele Ogliari

(More to be announced…)

As renewable energy sources like wind and solar become increasingly central to electricity generation, accurate forecasting of their feed-in is crucial for maintaining system stability, optimizing market operations, and guiding infrastructure investment. This workshop focuses on the latest developments in renewable energy forecasting and approaches that combine or enhance multiple models to improve predictive performance.

The Symposium on Renewable Feed-in Forecasting is a focused one-day event aiming to bring together experts from academia, system operators and industry to discuss current challenges and future directions in the forecasting of renewable energy feed-in, with a special focus on wind, solar, and hybrid systems.

Scan the QR code to visit our website for information and updates.

In case there any questions with respect to the conference, please reach out to us by email:

fg-energiewirtschaft@b-tu.de

This symposium is funded by the German government with funds from the German Federal Ministry for Economic Affairs and Climate Action (BMWK) as part of the FOCCSI 2 project (P32039012).

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The symposium's topics are broad and include, but are not limited to:

Advanced Forecasting Techniques

- Machine learning vs. physical models in wind/solar forecasting
- Meta-forecasting techniques: forecast combination, benchmarking, and performance evaluation
- Forecast uncertainty quantification methods
- Hybrid forecasting methods integrating statistical and physical models

Economic and System Impacts

- Economic value of improved forecasting for TSOs and market participants
- Economic impacts of forecast errors on market outcomes and system costs
- Coordination of forecasting across TSOs and DSOs
- Cost-benefit analysis of forecast improvement strategies

Operational Applications

- Short-term vs. day-ahead forecasting challenges
- Forecasting under extreme weather conditions
- Forecasting in regions with high distributed generation
- Integration of forecasts into balancing and redispatch operations

Grid and Market Integration

- Forecasting for hybrid systems (wind + solar + storage)
- Cross-border collaboration
- Data exchange standards for multi-region forecasting

Forecasting Infrastructure

- Role of virtual power plants
- Weather input quality and data sourcing
- Use of satellite, NWP, and IoT data

Submission Guidelines

Please submit your extended abstract including full author names and affiliations by September 15, 2025, via the submission portal. Submissions may include recently published work.

Submission Portal

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