

# Renewable Energy Grid Integration Week

E-MOBILITY | HYDROGEN | WIND & SOLAR

organized by **energynautics**

07-11 OCT '24

HELSINKI  
FINLAND



**CALL FOR PAPERS:**  
Submit your abstract until 28 April 2024



## ► ABOUT THE EVENT

The Renewable Energy Grid Integration Week comprises two high-quality conferences on grid integration of renewable energies in one week and attracts participants from all over the world.

The conference series takes place in a different location each year highlighting that region's particular grid integration issues in keynotes and presentations throughout the week.

### Target Audience

The conferences are designed to provide a platform for power system operators, transmission and distribution grid operators, wind turbine, gas turbine and solar inverter manufacturers, electrolyzer and fuel cells as well as charging station manufacturers, universities and research institutes, and consulting companies to exchange technical and economic developments.

## ► PRELIMINARY SCHEDULE, SUBJECT TO CHANGE



### 8<sup>th</sup> E-Mobility Integration Symposium

#### Monday, 7 October

- › Symposium Day 1 | 09:00 - 18:00
- › Networking Event | 18:00 - 21:00

#### Tuesday, 8 October

- › Symposium Day 2 | 09:00 - 12:00



### 23<sup>rd</sup> Wind & Solar Integration Workshop

#### Tuesday, 8 October

- › Workshop Day 1 | 09:00 - 18:00
- › Wind & Solar Poster & Networking Reception | 18:00 - 21:00

#### Wednesday, 9 October

- › Workshop Day 2 | 09:00 - 18:00
- › Wind & Solar Networking Event | 19:00 - 22:00

#### Thursday, 10 October

- › Workshop Day 3 | 09:00 - 17:00

#### Friday, 11 October (tbc)

- › Workshop Day 4 | 09:00 - 14:00

# PROPOSED PREFERENTIAL TOPICS

## 8<sup>TH</sup> E-MOBILITY POWER SYSTEM INTEGRATION SYMPOSIUM



- › Project Experience with EV Grid Integration
- › Grid Forming Aspects and Experience
- › Power System Aspects with high shares of EVs
- › Distribution Grid Issues
- › Market and Regulatory Aspects
- › Charging Infrastructure Planning & Smart Charging
- › High Power Charging
- › Vehicle to Grid incl. Ancillary Service Participation
- › Charging Methods & Standardization of Charging Modes / Communication
- › Communication and Security Aspects
- › Grid Integration Modelling Aspects
- › Grid Code Issues and Future Aspects
- › Decarbonization of Energy Sectors
- › Decarbonization of Transport with Green Hydrogen
- › Electrification of Urban Mobility
- › Mobility as a Service
- › AI and Machine Learning for Grid Integration
- › E-Mobility and Renewable Energy Integration

## 22<sup>ND</sup> WIND & SOLAR INTEGRATION WORKSHOP



- › Project Experience with Grid Integration of Wind/PV/Batteries
- › Grid Forming Aspects and Experience
- › Power System Studies
- › Distribution Grid Issues
- › Transmission Grid/Power System Issues
- › Power Quality Issues
- › Grid Code Issues and Future Aspects
- › Wind/Solar Power & Battery Modelling Issues
- › Power System Balancing Issues
- › Ancillary Services
- › Forecasting
- › Smart Grid / IT Innovations
- › Energy Market and Regulatory Issues
- › AI and Machine Learning for Grid Integration
- › Decarbonization of Energy Sectors
- › Hybrid Power Systems
- › Hybrid Power Plants
- › Battery Aspects (operation, modelling)
- › Sector Coupling Based on Wind / PV incl. Hydrogen

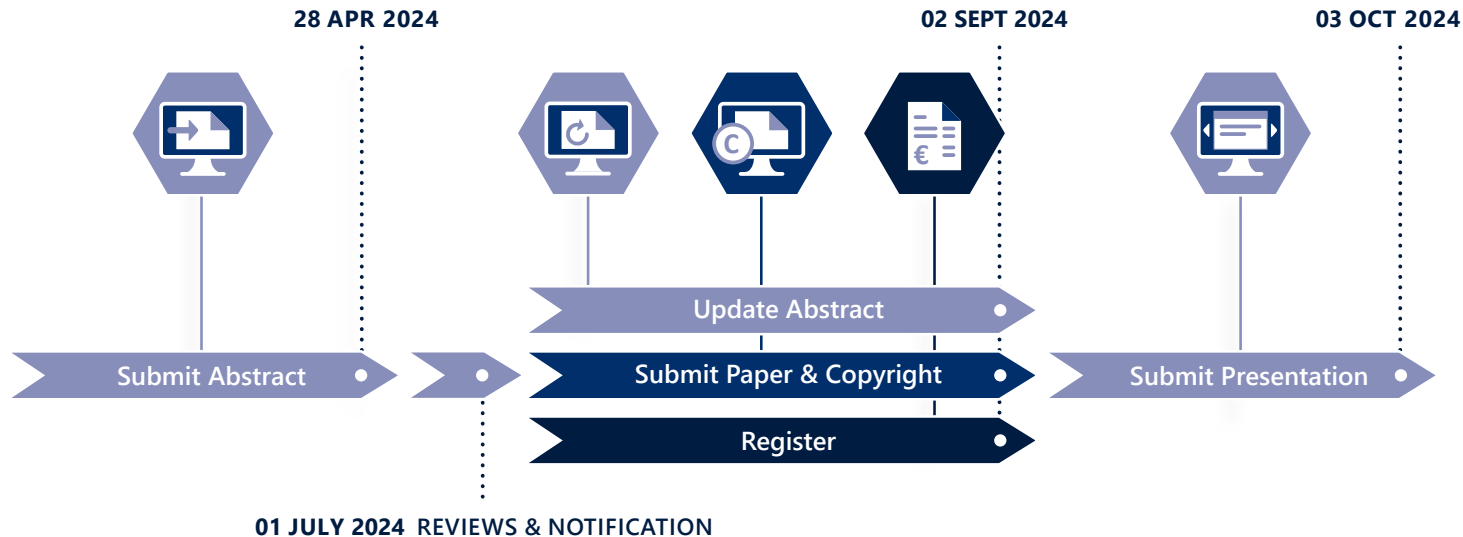
## SPECIAL WORKSHOP FOCUS: HYDROGEN



- › Fuel Cell Modelling / Fuel Cell Systems Modelling
- › Electrolyzer Modelling
- › Hydrogen Systems Modelling
- › Renewable Hydrogen Technologies & Applications
- › Decarbonizing the industrial processes
- › Energy system management with hydrogen



## SUBMISSION & REGISTRATION DEADLINES FOR SPEAKERS & POSTER PRESENTERS



## ► PRESENTATION OF PAPERS

If you would like to present a paper at the **Renewable Energy Grid Integration Week 2024**, a short abstract (max. 3,000 characters, free-style) has to be submitted first **until 28 April 2024**.

For more detailed information, please visit:

[integrationworkshops.org](https://integrationworkshops.org)

Final papers must then be submitted by **02 September 2024**.

For more deadlines, please see the infographic inside.

- » The conference language is English.
- » Presenters will pay a reduced participation fee.
- » All participants are responsible for paying their own travel and hotel expenses.

## ► PAPERS WILL BE PUBLISHED ON THE IET DIGITAL LIBRARY AND IEEE XPLORE

The papers chosen for presentation at the Renewable Energy Grid Integration Week will be published on the IET Digital Library and IEEE Xplore and submitted for indexing in IET Inspec, Ei Compendex and Scopus.

Find last year's papers in the digital proceedings on the IET Digital Library and on IEEE Xplore:



## ► SELECTION OF BEST PAPERS

Similar to previous years, the best papers of the Renewable Energy Grid Integration Week 2023 will be published in an IET special virtual collection „Selected Papers from the Wind & Solar Workshop and the E-Mobility Symposium“. Visit: [Wind & Solar](#) or [E-Mobility](#)

## ► UPDATES VIA E-MAIL

Don't miss any deadlines or updates on the symposium and the workshop! Stay tuned & subscribe for updates via e-mail.



### **We will provide information on:**

- ›› Call for papers, incl. topics & deadlines
- ›› Detailed program, incl. agenda, sessions & presentations
- ›› Fees & registration, incl. special discounts
- ›› Accompanying events, incl. dinner, tutorials & study trip

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## ► ORGANIZER

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## ► CONTACT

For suggestions including topics and sponsoring, feel free to talk to Dr. Thomas Ackermann, the main workshop organizer, directly:

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