

IEEE Workshop on Microgrid and Energy Communities

MEC 2025

Theme: Enabling Integrated, Resilient, and Sector-Coupled Local Energy Systems

Location: KTH Royal Institute of Technology Date: Oct 9-10, 2025

IEEE Workshop on Microgrids and Energy Communities (**MEC**) will bring together leading academic and industrial experts to address the latest innovations, regulatory frameworks, and deployment challenges. It features keynote talks, industry leaders' perspectives, and interactive discussions, providing a unique forum for shaping the future of integrated, resilient, and sector-coupled local energy systems.

Event link and registration: <https://isg-mec.org/>

Agenda

Day 0 – Oct 8, 2025

Visit **Arholma Microgrid**, hosted by Vattenfall

Day 1 – October 9, 2025

Theme: Microgrids – Technologies and Grid Integration

Morning Session

08:00–09:00 | **Registration**

09:00–09:15 | **Opening Remarks**

Welcome from IEEE PES/PELS Sweden Chapter, KTH Hosts – [Qianwen Xu](#), KTH, Sweden

09:15–10:45 | **Academic Keynotes**

[Claudio Cañizares](#), University of Waterloo, Canada “Microgrid Overview”

[Marija Ilić](#), MIT, USA “Dynamic Monitoring and Decision Systems (DyMonDS) for End-to-End Electricity Services”

10:45–11:00 | Coffee Break

11:00–12:20 | **Industry Leaders' Perspectives & Panel discussion**

Flexible and resilient grid with microgrids and energy communities

Swedish Energy Agency (Representative to be announced)

[Fredrik Carlsson](#), R&D portfolio manager, Vattenfall

E.ON (Representative to be announced)

[Cathrin Iden](#), Network Sales Manager Nordics, Milence

[Jonas Wahlman](#), Senior Manager, Energy and Nuclear Advisory, WSP

12:30–13:30 | Lunch & Networking

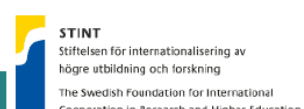
Afternoon Session

13:30–14:15 | **Academic Keynotes**

[Pedro Rodriguez](#), LIST, Luxembourg “Revolutionising intelligent grid-forming buildings”

[Yunwei Ryan Li](#), University of Alberta, Canada “Hybrid AC/DC Microgrids: Tackling Today's Grid Challenges for DERs, EVs, and AI Data Centers”

Our Sponsors:



15:20–16:30 | **Industry Leaders' Perspectives & Panel discussion**

Microgrid technology and grid integration

[Linda-maria Wadman](#), COO, Plexigrid

[Ritwik Majumder](#), Senior Principal Engineer, Epiroc

[Michell Sävenmark](#), Digital Power and Microgrid Manager, Schneider Electric
Siemens (Representative to be announced)

Interactive Session

16:30–17:30 | Networking and discussions

End of the day

Day 2 – October 10, 2025

Theme: Energy Communities – Governance, Digitalization & System Integration

Morning Session

09:00–10:30 | **Academic Keynotes**

[Johanna Lakso](#), CEO, Power Circle “Flexible Grids and Energy Communities: A Swedish Perspective”

[Chongqing Kang](#), Tsinghua University, China “Virtual power plants and flexible grids”

10:30–10:50 | Coffee Break

10:50–12:00 | **Industry Leaders' Perspectives & Panel discussion**

Smart buildings, transportation electrification and energy communities

[Sonja Monica Berlijn](#), Business director, DNV

[Pär Lundström](#), Senior Policy Advisor, The Swedish Installation Federation

[Ahmed Abdelhakim](#), Global Product Manager- Onboard DC Grid, ABB

[Magnus Kuschel](#), Innovation lead, Innovatum Science Park

Panel Discussion

12:00–13:30 | Lunch & Networking

Afternoon Session

13:30–15:30 | **Academic Keynotes**

[Vladimir Terzija](#), Newcastle University, UK “Smart Technology and Big Data Analytics for Data Centres and Energy Communities”

[Hong Li](#), Zhejiang University, China “Microgrid deployment in China”

[Qianwen Xu](#), KTH, Royal Institute of Technology “Adaptive integrated modular microgrid for sustainable communities”

15:30–15:45 | Coffee Break

15:45–17:30 | **Roadmap & Collaboration Session**

Shaping the Future Together

• Joint White Paper • Future Events • Collaboration Platform

End of the day

Our Sponsors:



Workshop Venue

Location

8 Oct (Day 0) – Arholma Microgrid

9 Oct (Day 1) – Arena, Teknikringen 1, at KTH main campus, Stockholm

Google map direction: [Teknikringen 1](#)

10 Oct (Day 2) – Gradängsalen, Teknikringen 1, at KTH main campus, Stockholm

Google map direction: [Teknikringen 1](#)

Lunch restaurant: Syster o Bror, Drottning Kristinas väg 21, 114 28 Stockholm.

Google map direction: Syster O Bror - Google

Transportation instruction from Arlanda Airport to KTH: [How to get here](#)



Hotel recommendations:

Elite Hotel Arcadia Stockholm ([Elite Hotel Arcadia Stockholm - Google](#))

Hotel Birger Jarl (<https://www.birgerjarl.se/>)

Hotel Scandic Park (<https://www.scandichotels.com/sv/hotell/scandic-park>)

Organization committee:

Chair: Qianwen Xu, KTH

Co-Chair: Ambra Sannino, Vattenfall

Sida Jiang, WSP

Fredrik Carlsson, Vattenfall

Pär Lundström, Installatörsföretagen

Jonas Anund Vogel, KTH

Lars Nordström, KTH

Hans Edin, KTH

Issa Batarseh, University of Central Florida

Local Contacts

Fei Liu: fei7@kth.se, +46 728595881

Kamil Swiderski: kamilsw@kth.se, +46 760349269

Xuan Jiang: xuanj@kth.se, +46 793503263

Our Sponsors:

