



IEEE Workshop on Microgrid and Energy Communities

Location: KTH Royal Institute of Technology

Date: Oct 9–10, 2025

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

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Day 1 — October 9, 2025

Theme: Microgrids — Technologies and Grid Integration

Morning Session

09:00–09:15 Opening Remarks

Welcome from IEEE PES/PELS Sweden Chapter and KTH Hosts

09:15–10:00 Keynote 1

Claudio Canizares, University of Waterloo, Canada

10:00–10:45 Keynote 2

Marija Ilic, MIT, USA

11:00–12:15 Industrial Session A: Grid Companies

Topic: DSO Perspectives on Microgrids and Energy Communities

Panelists: E.ON, Vattenfall, Ellevio, Omexom | Moderator: TBD

Time: 1.5 hours for richer discussion

12:15–13:15 Lunch & Networking

Afternoon Session

13:15–14:00 Keynote 3

Yunwei Ryan Li, University of Alberta, Canada

14:00–14:45 Keynote 4

Qianwen Xu, KTH Royal Institute of Technology, Sweden

14:45–15:15 Coffee Break

15:15–16:30 Industrial Session B: Microgrid Technology Providers

Topic: From Pilots to Scalable Microgrid Solutions

Panelists: Hitachi Energy, ABB, Siemens Energy | Moderator: TBD

16:30–17:30 Interactive Session

Topic: Barriers and Enablers for Scalable Microgrid Deployment

Format: Roundtable or World Café with group reporting

18:30–20:30 VIP Dinner

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Day 2 — October 10, 2025

Theme: Energy Communities — Governance, Digitalization & System Integration

Morning Session

09:00–09:45 Keynote 5

Johanna Lakso, CEO, Power Circle

Or Swedish Energy Agency, IQ Samhällsbyggnad, CEO Anita Aspegren

09:45–10:30 Keynote 6

Chongqing Kang, Tsinghua University, China

10:30–12:00 Industrial Session C: Building Sector & Energy Communities

Topic: Deploying Smart Buildings and Real-World Energy Communities

Panelists: wedish Energy Agency, WSP, Installatörsföretagen, ÖrebroBostäder, Innovatum science park

Moderator: TBD

12:00–13:00 Lunch & Networking

Afternoon Session

13:00–13:45 Keynote 7

Vladimir Terzija, Newcastle University, UK

13:45–14:30 Keynote 8

Lennart Söder, KTH Royal Institute of Technology, Sweden

14:30–16:30 Roadmap & Collaboration Session

Topic: Shaping the Future Together

Organization Committee

- **Chair:** Qianwen Xu, KTH
- **Co-Chair:** Ambra Sannino, Vattenfall
- Pär Lundström, Installatörsföretagen
- Lars Nordström, KTH
- Jonas Anund Vogel, KTH
- Fredrik Carlsson, Vattenfall