



# 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 (Confirmed)

#### 10:00–10:45 Keynote 2

Marija Ilic, MIT, USA (Confirmed)

#### 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 (Confirmed)

#### 14:00–14:45 Keynote 4

Ferdinanda Ponci, RWTH, Germany (Invited)

#### 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 (interested, need to decide timeslot, prefer late morning or early afternoon)  
Or Swedish Energy Agency, IQ Samhällsbyggnad, CEO Anita Aspegren

#### 09:45–10:30 Keynote 6

Chongqing Kang, Tsinghua University, China (Confirmed)

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

Topic: Deploying Smart Buildings and Real-World Energy Communities

Panelists: Innovatum Science Park (Magnus Kuschel), WSP (Sida Jiang), Bravida, Installatörsföretagen (Pär Lundström), Vasakronan, or ElectricityInnovation

Moderator: TBD

#### 12:00–13:00 Lunch & Networking

### Afternoon Session

#### 13:00–13:45 Keynote 7

Vladimir Terzija, Newcastle University, UK (Confirmed)  
Friederich Kupzog, AIT (Invited); Zita Vale, Porto (Invited)

#### 13:45–14:30 Keynote 8

Pedro Rodriguez, LIST (interested, need time to confirm, ask remote option)  
Nikos Hatzigiorgiou, NTUA (interested, cannot come physically, ask remote option)  
Remote option of speakers seems not, or Qianwen Xu and Lennart Söder as backup

#### 14:30–16:30 Roadmap & Collaboration Session

Topic: Shaping the Future Together

Next steps: joint white paper, future events, and collaboration platform

### Organization Committee

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