11th IERE Webinar: Grid-Forming Inverters (GFMs)

Online（UTC 12:00-14:30）

October 16, 2026

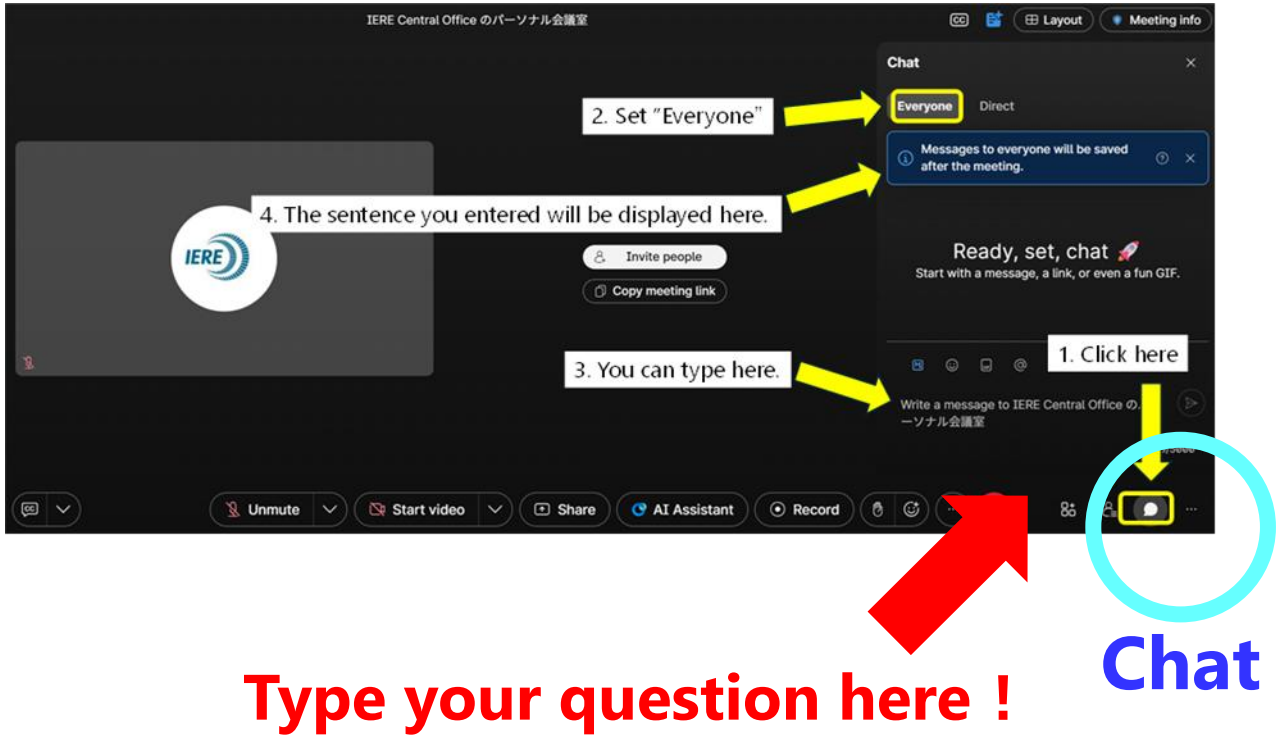
UTC+2:00	14:00–16:30	Amsterdam, Brussel, Essen, Paris,
UTC+7:00	19:00–21:30	Jakarta
UTC+8:00	20:00–22:30	Beijing, Singapore, Manila, Kuala Lumpur
UTC+9:00	21:00–23:30	Seol, Tokyo
UTC+10:00	22:00–24:30	Brisbane
UTC-4:00	8:00–10:30	Charlotte

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Tips for Attendees (1) - Using the Chat Box

Finding the Chat box

- Open the Chat Box from the Webex menu
- Submit questions at any time during the webinar
- **Specify the presenter** and send questions to **Everyone**
- Questions will be addressed during the **Q&A session**
- Use the Chat Box for **technical issues** as well
- IERE Central Office staff will provide support



Tips for Attendees (1) - Presentation Materials

Presentation Materials

Presentation materials are available at the following URL.

https://iere.jp/events/9022/

Program (Tentative)

(UTC)	Title	Presenter	Organization	Slides
12:00	Opening Address	Secretary General	IERE Secretary General	
12:05	(Introduction) Grid-Forming Inverters: Overview of Technologies and Trends	NORO Yasuhiro, Professor Emeritus	Kogakuin Univ. (Japan)	
12:20	Transition from Grid-Following to Grid-Forming: Challenges and Countermeasures	BU Siqi, Professor	The Hong Kong Polytechnic Univ. (Hong Kong)	
12:40	Grid-Forming Technologies in North America and Beyond: Current Status and Future Outlook	Wenzong Wang/ Deepak Ramasubramanian	EPRI (US)	[PDF]
13:00	Grid-Forming HVDC: From Operational Experience to Future DC Grids	ShuRan Liu	Hitachi Energy (China)	[PDF]
13:20	R&D Activities on Grid-Forming (GFM) Inverters in Japan	MIYAZAKI Satoshi	TEPCO (Japan)	[PDF]
13:40	Application and Challenges of GFMs in Distribution Grids	Michael Schwung	E.ON (Germany)	

Click here !

Program

Moderator: NORO Yasuhiro (Kogakuin Univ.)

(UTC)	Title	Presenter	Organization
12:00	Opening Address	SHIMOTA Akiro Secretary General	IERE
12:05	(Introduction) Grid-Forming Inverters: Overview of Technologies and Trends	NORO Yasuhiro Professor	Kogakuin Univ. (Japan)
12:20	Transition from Grid-Following to Grid-Forming: Challenges and Countermeasures	BU Siqi Professor	The Hong Kong Polytechnic Univ.(Hong Kong)
12:40	Grid-Forming Technologies in North America and Beyond: Current Status and Future Outlook	Deepak Ramasubramanian (Technical Leader)/Wenzong Wang(Team Lead, Sr)	EPRI (US)
13:00	Grid-Forming HVDC: From Offshore Wind Integration to Future DC Grids	ShuRan Liu. HVDC Market Product Manager - North Asia	Hitachi Energy (China/Japan)
13:20	R&D Activities on Grid-Forming (GFM) Inverters in Japan	MIYAZAKI Satoshi	TEPCO (Japan)
13:40	Application and Challenges of GFMs in Distribution Grids	Michael Schwung	E.ON (Germany)
14:00	Grid-Forming BESS Deployment in RWE Generation: Technology Selection and Project Experience	Lexuan Meng/Anika Weishaupt	RWEG （Germany）
14:20	Closing	NORO Yasuhiro Professor	Kogakuin Univ. (Japan)

Background

- Renewable energy deployment is accelerating worldwide
- Growing penetration of inverter-based resources (IBRs) is creating new power system stability challenges:
  - Reduced inertia
  - Lower system strength
  - Voltage stability concerns
  - Converter-driven stability issues
- Grid-Forming Inverters (GFMs) are emerging as a promising solution
- Strong demand for sharing global experiences, R&D progress, and deployment strategies
- IERE organized this webinar to provide an international platform for knowledge exchange on GFM technologies

Objectives

- Share the latest knowledge and developments in Grid-Forming Inverter (GFM) technologies
- Enhance understanding of:
  - GFM principles and functionalities
  - Real-world applications and project experiences
  - Technical and operational challenges
- Facilitate international exchange of expertise and best practices
- Discuss the role of GFMs in enabling reliable and sustainable future power systems