IERE — Electric Power Technology Platform

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Activities

7th IERE Webinar

Webinar on AI Collaboration Project (2nd Round)

March 7, 2024
7:00–8:30 (UTC)

» [Members ONLY] Register for Free

Webinar on AI Collaboration Project (2nd Round)

In recent years, Artificial Intelligence (AI) technology has been developing rapidly. AI technology has widely supported our daily lives. The application of AI technology is also advancing in the field of the electric power industry. The purpose of this webinar is to share actual examples of AI applied technology development for solving problems in the field through joint research by IERE members.

▶ Mar. 6 05:00(UTC) updated

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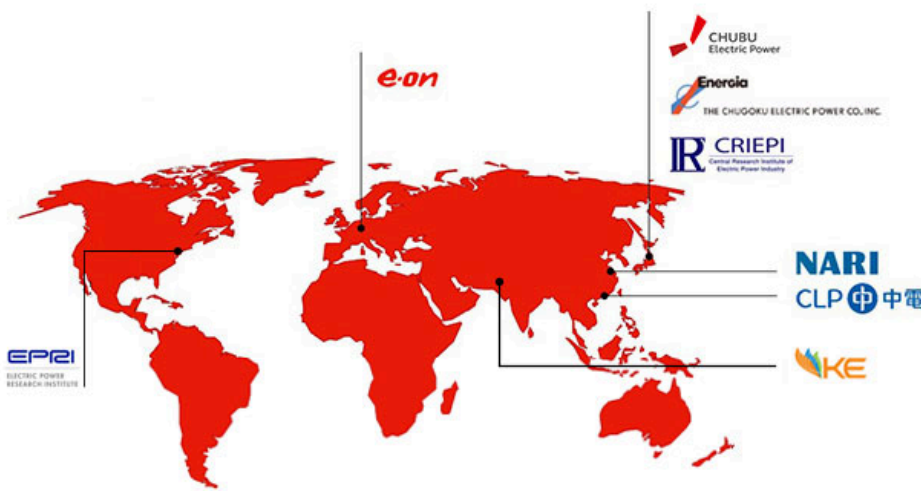
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Feedback Survey

TIPs for Attendees

e·on

CLP 中電

CHUBU Electric Power

Energia — THE CHUGOKU ELECTRIC POWER CO.,INC.

CRIEPI — Central Research Institute of Electric Power Industry

EPRI — ELECTRIC POWER RESEARCH INSTITUTE

What is AI Collaboration Project?

The AI collaboration project aims to solve various issues of members with AI and share know-how in development among the participating members.

In this 2nd round, four teams were formed, each consisting of a Data Provider and Application Developer, tackling each "Use Case." A Data Provider is an IERE member who has a problem to solve and literally provides a large amount of data related to the problem, and an Application Developer is a member who develops an AI program to solve the problem.

Data Use Cases	Application Developers	Data Providers
Object detection of pole mounted switches	Chubu EPCO	Chugoku EPCO
T&D image object detection use cases	CLPRI	EPRI
Predictive maintenance and health monitoring of underground cable	CRIEPI	Karachi Electric
Load forecasting of feeder	NARI	Karachi Electric

E.ON was leader. CLP was co-leader, and the project (2nd Round) started in July 2022. It continued until the participating-member-exclusive online meeting to share the results was held in October 2023. This webinar will present some of the results reported at that meeting.

Click here for details on the AI Collaboration (2nd Round)

>> IERE R&D
AI Collaboration (2nd)

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Program

Program (UTC)
March 7, 2024 7:00–8:30 (UTC)

Opening

7:00–7:05 (UTC)	Opening Address
	TAKEI Katsuhito IERE Secretary General

Project Outline

7:05–7:15 (UTC)	Outline of the AI Collaboration Project (2nd Round)
	Jan SCHIEFELBEIN-LACH, E.ON Leader

Summary of Results (15 min/ each topic including Q&A)

7:15–7:30 (UTC)	Object detection of pole mounted switches
	OIRASE Masaya, Chubu EPCO
7:30–7:45 (UTC)	T&D image object detection use cases
	Edward CHAN, CLPRI
7:45–8:00 (UTC)	Predictive maintenance and health monitoring of underground cable
	MIURA Teruhisa, CRIEPI
8:00–8:15 (UTC)	Load forecasting of feeder
	LIU Junjun, NARI

Next Project

8:15–8:25 (UTC)	Introduction of the Next Project
	Jan SCHIEFELBEIN-LACH, E.ON Leader (Tentative)

Closing

8:25–8:30 (UTC)	Closing
	TAKEI Katsuhito IERE Secretary General

Time Zone

The webinar will take place at 7:00 a.m. in UTC (GMT). Please make the proper time zone conversion to match the start time in your area.

UTC −8:00	11:00 p.m. (Mar. 6)–12:30 a.m.	Vancouver
UTC −6:00	1:00 a.m.–2:30 a.m.	San Antonio
UTC −5:00	2:00 a.m.–3:30 a.m.	Montreal
UTC +1:00	8:00 a.m.–9:30 a.m.	Amsterdam, Brussel, Essen, Paris
UTC +2:00	9:00 a.m.–10:30 a.m.	Johannesburg
UTC +5:00	12:00 p.m.–1:30 p.m.	Karachi
UTC +8:00	3:00 p.m.–4:30 p.m.	Beijing, Singapore
UTC +9:00	4:00 p.m.–5:30 p.m.	Seoul, Tokyo
UTC +10:00	5:00 p.m.–6:30 p.m.	Brisbane

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Please join the webinar 5–10 minutes earlier to avoid the last minute problems.

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MUST-READ ─

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The Central Office would like to hear your feedback so we can keep improving our logistics and content. Please fill a quick survey after the webinar and let us know your thoughts (your answers will be anonymous).

Feedback Survey

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