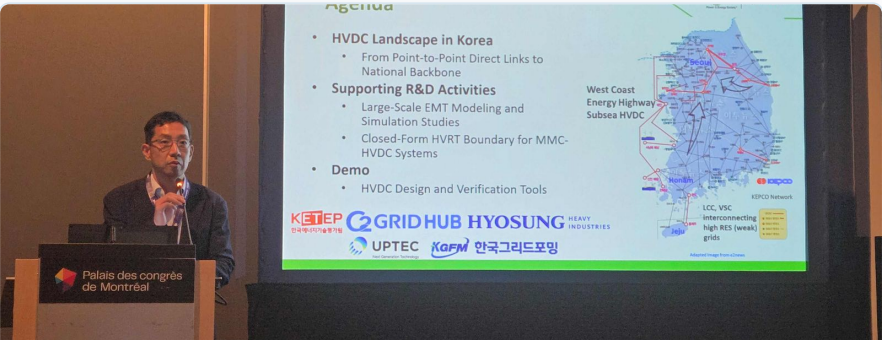
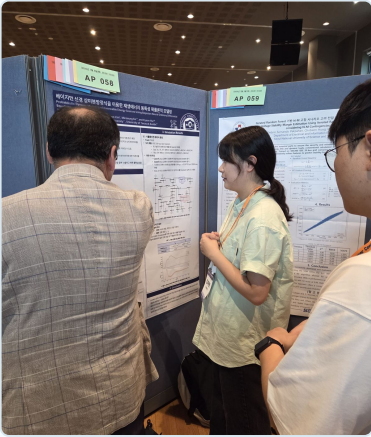


July Conference Activities

1 · JUL 8-10

KIEE Summer Conference

At the KIEE Summer Conference held from July 8 to 10, Professor Kyeon Hur introduced the C2 GRID HUB vision and workforce development plan, while Dr. Heejin Kim presented an AI-agent-based HVDC power-system analysis tool. Researchers attending the conference presented posters, and among them, Chanho Ji received a paper for ambient-PMU-based low-frequency oscillation-mode estimation using SSI-COV and TDA clustering.



2 · JUL 5-9

Participation in ICEE 2026

From July 5 to 9, researchers delivered oral presentations at ICEE 2026 on MTDC system stability and control and grid-forming HVDC operating-region assessment. Chanho Ji, Minsung Kim, and Seungyun Lee presented their work, sharing the Center's research achievements with the international research community.

3 · JUL 19-23

Participation in PESGM 2026

At PESGM 2026 in Montreal from July 19 to 23, Professor Kyeon Hur introduced an in-house P-Q operating-region assessment tool during a session on HVDC dynamics and modeling. Junchul Lee delivered an oral presentation, while Jihoon Lee and Sungjun Kim presented posters on HVDC system dynamics, modeling, and control.

July Education and Seminars



1 · JUL 1-3

2026 Power School Hosted by KEPCO MRI

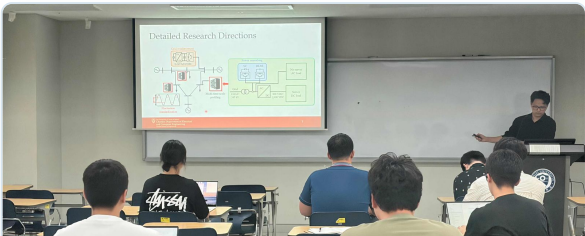
From July 1 to 3, researchers attended the Power School hosted by the KEPCO Management Research Institute. Following seminars on power systems, energy policy, and economics, participants visited the Seo-Jeju HVDC converter station and Hallim offshore wind farm. A team including Euihyun Song from the Center received the Grand Prize for a project on flexible data-center loads and incentive design.



2 · JUL 6-15

RTDS-Based HIL and Controller Interface Training

On July 6-7 and 13-15, researchers attended RTDS/RSCAD-based power-system modeling and real-time simulation training at Semyung University. The program covered IEEE 9-bus and MMC modeling, small time-step simulation, analog and digital I/O, the FPGA-GTSC interface, controller integration using Arduino, DSP, Plex, and imperix, and UDM-based HIL exercises.



3 · JUL

Invited Seminar by Dr. Minsung Ko

Dr. Minsung Ko of The University of Texas at Austin discussed load growth, variability, and stability and reliability challenges arising from the grid integration of large-scale AI data centers. He presented research directions involving data-center dynamic modeling, coordinated operation, flexible loads, and the use of AI for data analysis, modeling, simulation-result interpretation, and optimization.

Upcoming Events



Paris Session 2026
August 23 to 28, 2026
Palais des Congrès, Paris, France

AUG 23-28

2026 CIGRE Paris Session

Researchers will attend the 2026 CIGRE Paris Session in Paris, France, from August 23 to 28. The event will feature the latest research and demonstration projects involving grid-forming technologies, VSC-HVDC protection, multiterminal HVDC, offshore wind integration, and DC grid operation.



AUG 13

Workforce Development Workshop

On August 13, experts from power and energy organizations will be invited to examine the competencies required of professionals in the industry and discuss effective approaches to workforce development programs and inter-organizational collaboration.