

GIST unveils hands-on energy education program at Gwacheon Science Festival

- Participated in the National Gwacheon Science Museum's 'Happy Science Festival'...
Operated the 'Energy Literacy & Makerthon' program

- Continued to expand achievements through the expert network 'G-Energy Oncall' at
'KEET 2026'



▲ *The GIST RISE Project Team participated in the 18th 'Happy Science Festival' held at the Gwacheon National Science Museum and operated the 'Encore, Energy Literacy & Makeathon.'*

The Gwangju Institute of Science and Technology (GIST, President Kichul Lim) announced that it participated in the 18th 'Happy Science Festival,' held from Saturday, April 18 to Sunday, April 19, and operated the 'Encore, Energy Literacy & Makeathon' by the GIST RISE (Regional Innovation-Centered University Support System) Project Team.

The 'Energy Literacy & Makeathon' is an experiential education program where participants learn energy concepts and, based on that knowledge, create and experiment with them firsthand. The 'Happy Science Festival,' hosted and organized by the Gwacheon National Science Museum, is a nationwide science and culture event that combines science experiences with cultural content. The participation of the GIST RISE Project Group (Director Inchan Kwon) was arranged as part of the 'Urban Campus Living Lab' initiative to widely disseminate the achievements of energy education that has been pursued since 2025.

The GIST RISE Project Group has continuously operated the 'Energy Literacy & Makerthon' education model, which combines theory and practice, focusing on the four core sectors of the future energy industry: solar power, batteries, hydrogen energy, and power systems.

In particular, the operation of this program is significant in that the energy education content developed and promoted by the GIST RISE Project Group with the support of Gwangju Metropolitan City is being directly implemented at the Gwacheon National Science Museum's science festival site, expanding it into a nationwide science and culture program.



▲ *Children, teenagers, and their families are participating in a makerthon workshop using solar-powered car kits at the "Encore, Energy Literacy & Makerthon" organized by the GIST RISE Project Group.*

"Encore, Energy Literacy & Makerthon" was held at the outdoor experience zone of the Gwacheon National Science Museum through on-site registration and voluntary participation. It operated as an open educational program where children, teenagers, and their families from across the country participated together.

The curriculum consisted of theoretical energy literacy classes using self-developed textbooks and makerthon workshops utilizing solar-powered car kits, enhancing the balance between learning and experience.

The program ran for a total of 12 sessions over two days, with 16 participants per session, to increase participant engagement. Researchers from the GIST Next Generation Energy Research Institute and the Energy Valley Technology Institute participated as assistant instructors, adding expertise to the program.

Through this operation, a total of 192 people participated over the two days, confirming the competitiveness of energy education content based on high interest and satisfaction. Kwon In-chan, Director of the GIST RISE Project Group, stated, "We prepared this program to spread the high level of interest and passion of local youth, confirmed through various energy education programs last year, to the entire nation," adding, "We will continuously enhance our content so that Gwangju can establish itself as a hub for energy education and demonstration."

Hongkyu Kang, Deputy Director of the GIST Research Institute for Solar and Sustainable Energies and the project leader for the 'Urban Campus Living Lab' under the GIST RISE Project Group, said, "Our self-developed teaching materials are being recognized for their effectiveness in various fields," and added, "We will actively incorporate feedback from the field to further develop energy literacy education content, and through this, strive to increase the number of students and citizens who understand future energy issues and possess the capacity to solve them."

KOREA ENVIRONMENT & ENERGY TRADE FAIR
KEET 2026 in 여수

4. 20. 월

김준수
노무사 사무소 연세 대표

이찬희
(주)진남정업기술지주 대표이사

김태원
한국생산기술연구원 에너지나노그림 수석연구원

4. 21. 화

문예지
노무사 사무소 연세 공인노무사

이관희
광주창조경제혁신센터 본부장

우중제
한국에너지기술연구원 광주친환경에너지연구센터 센터장

4. 22. 수

박병철
한국전자기술연구원 에너지변환연구센터 책임연구원

기현철
한국광기술원 광에너지부품연구센터 센터장

미래 에너지 산업을 주제로 인기있는 강연들이 돌아왔다! 앵클, 에너지 리터러시!

분야별 전문가와 함께하는 릴레이 특강 & 1:1 맞춤 상담! 기술부터 자금, 경영전략, 투자유치까지 이곳에서 기업 성장의 해답을 만나다!

G Energy OnCall

에너지 기업을 위한 실전 지원 플랫폼!

2026. 4. 20.월 ~ 22.수

여수세계박람회장 엑스포디지털갤러리
광주과학기술원 부스

4. 20. 월

10:30 - 11:30	세 선 1	김준수	지속가능한 조직을 위한 인사노무 전략
11:30 - 12:00	1:1상담	노무사 사무소 연세 대표	
12:00 - 13:00		점심 시간	
13:00 - 14:00	세 선 2	이찬희	기회와 도전, 그리고 성공을 위한 스타트업 그리운드
14:00 - 14:30	1:1상담	(주)진남정업기술지주 대표이사	
14:30 - 15:30	세 선 3	김태원	AI 시대 우리기업은 어떻게 대비할 것인가?
15:30 - 16:00	1:1상담	한국생산기술연구원 에너지나노그림 수석연구원	

4. 21. 화

10:30 - 11:30	세 선 1	문예지	채용부터 퇴사까지 폭넓은 노무관리
11:30 - 12:00	1:1상담	노무사 사무소 연세 공인노무사	
12:00 - 13:00		점심 시간	
13:00 - 14:00	세 선 2	이관희	투자의 이해
14:00 - 14:30	1:1상담	광주창조경제혁신센터 본부장	
14:30 - 15:30	세 선 3	우중제	K-패러 산업 위기 극복을 위한 기술개발 방향: Safety & Circularity
15:30 - 16:00	1:1상담	한국에너지기술연구원 광주친환경에너지연구센터 센터장	

4. 22. 수

10:30 - 11:30	세 선 1	박병철	앵클, 전력시스템 에너지 리터러시!
11:30 - 12:00	1:1상담	한국전자기술연구원 에너지변환연구센터 책임연구원	
12:00 - 13:00		점심 시간	
13:00 - 14:00	세 선 2	기현철	앵클, 태양광 에너지 리터러시!
14:00 - 14:30	1:1상담	한국광기술원 광에너지부품연구센터장	
14:30 -	폐 회		

주최 광주광역시 GJFCZ 광주경제자유구역청 한국전력공사 GIST 광주과학기술원

주관 EVIT 에너지전략기술원 RISE 최세원미래연구소 GIST RISE 사업단

▲ Poster for the "G-Energy On-Call" event, scheduled to be jointly operated by the GIST RISE Project Group, the Next Generation Energy Research Institute, and the Energy Valley Technology Institute.

Meanwhile, the GIST RISE Project Group will also participate in the "2026 Korea Climate, Environment, and Energy Exhibition (KEET 2026)," which will be held from April 20 (Mon) to April 22 (Wed) at the Expo Digital Gallery in the Yeosu World Expo Center, Jeonnam.

At "KEET 2026," the group plans to continue expanding the achievements of energy education by operating the "G-Energy On-Call" program jointly with the GIST Next Generation Energy Research Institute and the Energy Valley Technology Institute.

'G-Energy OnCall' is an on-call expert network program in which different experts participate in a relay format every day, focusing on topics related to key growth stages of the energy industry such as corporate operations, investment attraction, and technology development, to provide consultation and advice tailored to on-site needs. Its purpose is to support problem-solving and technology diffusion in the energy industry.