

GIST, 3rd local government symbiosis forum held in Gwangyang, Professor Seunghyun Lee's special lecture well received

- GIST Academy, as part of the plan for joint growth and development with the local community through science and technology, held the 'GIST-Local Government Mutual Growth Forum' since last September
- On Wednesday, the 4th, Professor Seunghyun Lee, who was appointed as the Gwangyang City Science and Technology Innovation Ambassador, gave a special lecture on 'Gwangyang City Regional Industry and Future Heat Management Technology in the Era of Energy Transition' in Gwangyang, Jeollanam-do, with the attendance of about 80 local businesspeople and citizens



▲ GIST Academy held the 1st GIST-Gwangyang City Symbiosis Forum at the Gwangyang Lucky Hotel on Wednesday, December 4, and attendees are taking a commemorative photo.

The Gwangju Institute of Science and Technology (GIST, President Kichul Lim) announced that it held the 1st GIST-Gwangyang City Symbiosis Forum on Wednesday, December 4 in Gwangyang City, Jeollanam-do, hosted by GIST Academy (Director Jae Gwan Kim, professor in the Department of Biomedical Science and Engineering).

The forum, which invited Professor Seunghyun Lee of the School of Mechanical and Robotics Engineering, was held at the Gwangyang Lucky Hotel with the attendance of approximately 80 businesspeople and citizens from the eastern part of Jeollanam-do.

GIST is strengthening its cooperative network with local governments by appointing 15 full-time faculty members and researchers as special ambassadors for science and technology innovation, considering the main and new industries of each region in 10 cities and counties in Jeollanam-do.

An MOU was signed with Gwangyang City in June to foster local talent and strengthen the city's competitiveness, and three people, including Professor Seunghyun Lee, who gave the lecture that day,

Professor Hyeong Jin Kim, and Professor KwangSup Eom, were appointed as special ambassadors for science and technology innovation for Gwangyang City.

Since taking office at GIST in 2019, Professor Lee has been recognized not only in academia but also in the industry based on his outstanding research achievements, such as the successful development of ultra-high-speed cable cooling technology in the fields of electric vehicle charging technology and battery thermal management, and he has contributed to the development of science and technology and the expansion of its base in Korea through domestic and international academic exchanges and human resource development.

On this day, Professor Seunghyun Lee explained the basic knowledge of thermal management technology under the theme of 'Gwangyang-si Regional Industry and Future Thermal Management Technology in the Era of Energy Transition', while presenting the intersection of the technology and the Gwangyang-si industry and its development prospects.

He also used examples of technologies actually being used in Gwangyang-si and compared the flow of industrial changes in Gwangyang-si, such as POSCO's hydrogen reduction technology, with domestic and international research status to explain future thermal management technology in an easier-to-understand manner, and introduced new technologies for energy storage, distribution, and use.

Professor Seunghyun Lee said, "All innovation begins in the manufacturing process. Increasing manufacturing productivity in the Gwangyang region can be achieved through the development of innovative cutting-edge technologies utilizing data and artificial intelligence through collaboration with research-oriented universities such as GIST."



▲ GIST Professor Seunghyun Lee (School of Mechanical and Robotics Engineering) is giving a lecture on the topic of 'Gwangyang City Regional Industry and Future Heat Management Technology in the Era of Energy Transition' at the 1st GIST-Gwangyang City Symbiosis Forum.

President Kichul Lim said in the welcoming address, "Gwangyang City is home to major industrial hubs such as POSCO's Gwangyang Steelworks, and is a city with the optimal environment for corporate growth

based on its port and logistics infrastructure. We hope that the GIST-Local Government Symbiosis Forum will become a strong bridge connecting Gwangju and Gwangyang."

Mayor In-hwa Jeong of Gwangyang City said in his congratulatory address, "What is urgent to achieve carbon neutrality is energy transition, and we must escape the current energy structure that relies on fossil fuels, switch to renewable energy, and maximize energy efficiency. I hope that today's lecture will be a meaningful time to organize our stance in response to the carbon neutral era."

Gwang-il Woo, Chairman of Gwangyang Chamber of Commerce and Industry, said in his congratulatory speech, "We hope that this forum will be an opportunity for GIST's outstanding research capabilities and Gwangyang's industrial infrastructure to cooperate and develop more closely."

Meanwhile, the GIST Academy has been hosting the 'GIST-Local Government Forum' since last September as part of its plan to achieve mutual growth and development with the local community through science and technology. The 1st (September 25) and 2nd (October 24) forums were held in Suncheon, and the 3rd forum was held in Gwangyang, presenting various ways for GIST to contribute to the local community and continuing mutual growth with the local community.

