

GIST, IBS Quantum Conversion Research Group opening ceremony held for innovative research organization at the top level in chemistry operations

- IBS Quantum Conversion Research Group led by Director Yousoo Kim, a world-renowned researcher in the field of interface chemistry, officially launched... Establishing a new research collaboration model between GIST, IBS, and Japan's RIKEN based at the GIST Department of Chemistry
- IBS Director Do-Young Noh, Gwangju Metropolitan City Deputy Mayor for Culture and Economy Sang-gap Lee, etc. in attendance... "We will contribute to regional economic and industrial innovation by creating functions and properties expressed by the quantum conversion phenomenon of substances."



▲ On Thursday, September 12, GIST held the opening ceremony for the Institute for Basic Science (IBS) Quantum Conversion Research Group at GIST College C, and attendees took a commemorative photo.

The Gwangju Institute of Science and Technology (GIST, President Lim Ki-cheol) announced that it held the opening ceremony of the Institute for Basic Science (IBS) Quantum Conversion Research Group (Director Yousoo Kim, Professor in GIST Department of Chemistry) at 2:00 PM on Thursday, September 12th at GIST College C.

The opening ceremony was attended by approximately 70 people including IBS Director Do-Young Noh, Gwangju Metropolitan City Deputy Mayor for Culture and Economy Sang-gap Lee, GIST Vice President for R&DB Kwanghee Lee, Vice President for Academic Affairs Sang-Don Kim, Vice President for Public Affairs Yonghwa Chung, and Department of Chemistry Chair Jin Hee Ahn, as well as faculty, staff, and students.

The opening ceremony began with Vice President for R&DB Kwanghee Lee reading the president's congratulatory address, followed by congratulatory speeches from Deputy Mayor Sang-gap Lee and Director Do-Young Noh, followed by an introduction of the research group by Director Yousoo Kim and the unveiling of a signboard symbolizing the Quantum Conversion Research Group.

Director Yousoo Kim, who is recognized as a world-class researcher in the field of interface chemistry that studies the surfaces of materials, has become a hot topic after moving from RIKEN in Japan, where he became the first Korean to become a chief scientist, the highest position, to GIST this month.



▲ On Thursday, September 12, GIST unveiled a plaque at the opening ceremony of the Institute for Basic Science (IBS) Quantum Conversion Research Group at GIST College B.

At the opening ceremony, Director Kim said, "We plan to establish a new research collaboration model between GIST, IBS, and RIKEN to create functions and properties expressed by quantum transformation phenomena of matter, thereby contributing to the achievement of a sustainable society on a global scale and innovation of regional economy and industry."

President Kichul Lim delivered a congratulatory speech read by Vice President Kwanghee Lee, "Today's launch of the Quantum Conversion Research Group reminds us of the departure of the Magellan expedition fleet from Seville, Spain in September 1519, the first to circumnavigate the world. GIST will do its best to support the Quantum Conversion Research Group so that it can create new values for our society and industry through innovative research."

Director Do-Young Noh said, "When IBS was established, it was modeled after the Max Planck Institute in Germany and RIKEN in Japan, and now a research collaboration relationship has been formed in which researchers move between IBS, the Max Planck Institute, and RIKEN. Keeping in mind that the mission of the IBS research group is 'new discovery,' I hope you will work hard on research that benefits all of humanity."



▲ IBS Director Noh Do-young is giving a congratulatory speech at the opening ceremony of the Quantum Conversion Research Group.

Director Yousoo Kim said, "I would like to thank GIST and IBS for providing me with this great opportunity after a long and difficult process. I think that it is important to create a virtuous cycle structure where good people naturally gather by creating a desirable culture and environment for the research organization."



▲ Director Yousoo Kim of the Quantum Conversion Research Group (chemistry professor at GIST) is introducing the research group at the opening ceremony of the Quantum Conversion Research Group.

Meanwhile, the IBS Center for Quantum Conversion Research, which opened on this day and officially launched, aims to develop innovative methodologies to quantitatively measure and control interactions between quantum states, thereby understanding the fundamental principles that form the basis of energy conversion and material conversion, and thereby creating innovative functions and properties that are expressed by the quantum conversion phenomenon of materials.

In addition, it has a vision of establishing an international research network, providing solutions to challenges for achieving a sustainable society on a global scale from a basic science perspective, and contributing to close collaboration with universities and regional economic and industrial innovation.