

GIST Advanced Photonics Research Institute holds Summer School on Lasers and Laser Applications 2024 (SSOLLA 2024) with students from 7 countries participating

- For 5 days starting from Monday, July 15, 13 students and researchers from 7 countries, including Vietnam, the Philippines, Malaysia, Cambodia, Taiwan, Australia, and Lithuania, participated... Attending laser and optical technology lectures, experiments and practice, etc.
- GIST Advanced Photonics Research Institute, the only research institute specializing in laser and optical science technology in Korea, has strengthened international exchange and cooperation by continuously hosting SSOLLA since 2010... Recently, the research area has expanded to the space and defense fields



▲ GIST Advanced Photonics Research Institute held the 'Summer School for Laser and Optical Technology (SSOLLA) 2024' for 5 days from Monday the 15th to Friday the 19th, and participants are taking a commemorative photo.

The Gwangju Institute of Science and Technology (GIST, President Kichul Lim) announced that it has successfully concluded the 'Summer School on Lasers and Laser Applications (SSOLLA) 2024' held by the Advanced Photonics Research Institute (APRI, Director Do-Kyeong Ko) for overseas students and researchers in the field of laser and optical technology.

'Summer School on Lasers and Laser Applications (SSOLLA)' is an international exchange and cooperation event that the Advanced Photonics Research Institute has been conducting continuously since 2010. This year, participants stayed at the GIST campus for five days from Monday, July 15th to Friday, July 19th, and participated in various programs.

SSOLLA 2024 involved 13 students and researchers* from 7 countries around the world, including Vietnam, the Philippines, Malaysia, Cambodia, Taiwan, Australia, and Lithuania.

* research institutes and universities include the Vietnam Institute of Science and Technology, Royal University of Phnom Penh in Cambodia, University of Malaya in Malaysia, etc.

Participants attended lectures on laser and optical technology by GIST professors and researchers at the Advanced Photonics Research Institute, including ▲ Basics and applications of high-power laser and fiber laser ▲ Nonlinear optics ▲ Nano-optics ▲ Biomedical optics ▲ Quantum optics ▲ Laser safety, etc., and participated in experiments and practical training. They also toured the ultrafast photon beam special research building and other laboratories, which are the core research facilities of the Advanced Photonics Research Institute.



▲ Participants of the 'Summer School on Lasers and Laser Applications (SSOLLA) 2024' are touring the ultrafast photon beam special research building, a core research facility of the Advanced Photonics Research Institute.

Director Do-Kyeong Ko said, "Since 2010, the GIST Advanced Photonics Research Institute has been holding an international summer school event related to laser and optical technology every year to actively exchange with overseas researchers and strengthen its position in the field of laser optics. In the future, we plan to expand international exchanges with various countries and the entire optical technology field to establish ourselves as a world-class optical technology research institute."



▲ Advanced Photonics Research Institute Director Do-Kyeong Ko is giving a welcoming speech on the first day of the 'Summer School on Lasers and Laser Applications (SSOLLA) 2024'.

Meanwhile, GIST's Photonics Research Institute, the only research institute in Korea specializing in optical science and technology, which celebrated its 23rd anniversary this year, developed the world's first 20 femtosecond (1 femtosecond: 1 trillionth of a second) 4.2 petawatt (1 petawatt: 1,000 terawatt) ultra-powerful laser, and has recently expanded its research into space and defense technologies using laser and optical technologies.

