

GIST Professor Young Min Song receives the Haerim Photonic Engineering Award

- Contributing to the development of the field of photonic engineering by uniquely implementing micro-optical systems and related imaging devices required for photonic structure research through biomimetic visual structure



▲ Professor Young Min Song of GIST won the 2024 'Haerim Photonic Engineering Award' from the Optical Society of Korea as an outstanding researcher in the field of optics. (From left) GIST Professor Young Min Song, President of the Optical Society of Korea Sang-guk Han (Professor of the Department of Electrical and Electronic Engineering at Yonsei University)

The Gwangju Institute of Science and Technology (GIST, President Kichul Lim) announced that Professor Young Min Song of the School of Electrical Engineering and Computer Science won the 2024 'Haerim Photonic Engineering Award' awarded by the Optical Society of Korea as an outstanding researcher in the field of optics.

Professor Young Min Song received the '2024 Haerim Photonic Engineering Award' while the Optical Society of Korea held its 35th regular general meeting at the Suwon Convention Center on February 15.

Professor Young Min Song, who was appointed to GIST in 2016, is researching micro-optical systems and imaging devices necessary for photon structure research. He is particularly focusing on imitating the visual structure of animals to implement special functions that existing cameras do not have.

Professor Song, who was also elected as a next-generation member of the Korea Academy of Science and Technology in 2022, recently developed 'an omnidirectional amphibious camera that mimics the compound eye structure of a sea crab' and 'a high-contrast/high-resolution camera that mimics the eye of a cuttlefish.' The 'Ultra Wide Angle Insect Eye Camera' was selected as one of the 'Top 10 Science and Technology News' that attracted the most attention in Korea in 2013.

Meanwhile, according to the results of Elsevier, a global academic information analysis company, analyzing the influence of paper citations from 1960 to 2022, Professor Young Min Song is ranked among the 'Enabling & Strategic Technologies,' which is ranked in the world's top 0.93% (excluding self-citations) in the field of 'Optoelectronics & Photonics'.

The Haerim Photonics Engineering Award is an award run with funds donated by the late Professor Woon-chul Baek (1934-2011), a world-renowned scholar in the field

of optical fiber manufacturing and the first professor of GIST, for the development of the Optical Society of Korea. The name was borrowed from Professor Baek's pen name, 'Haerim'.

Meanwhile, the Optical Society of Korea has published excellent creative papers in the field of photonics engineering over the past five years, including the Journal of Optical Society of Korea. This award is given to regular members who have contributed greatly to academic development, including publishing in domestic and international SCI(E)-listed academic journals.

