



Press release  
5 June 2023

## Liu awarded SPIE Optics and Photonics Education Scholarship

BELLINGHAM, Washington, USA — **Xiaomin Liu** has been awarded a 2023 Optics and Photonics Education Scholarship by SPIE, the international society for optics and photonics, for her potential contributions to the field of optics, photonics, or related field.



Liu is a PhD student at Shanghai Jiao Tong University (China), supervised by Professor Qunbi Zhuge. Liu's research focuses on the modeling, monitoring, and optimization for long-haul WDM optical networks, aiming at building self-driving optical networks with the assistance of data-driven machine learning techniques. She has published ten journal and conference publications as the first author. As the project student leader, she helped develop the accurate QoT estimator for Tencent's networks. "I would like to thank my supervisor and my family," said Liu.

"I believe this SPIE scholarship is a great encouragement to me."

In 2023, the Society is awarding \$293,000 in education scholarships to 72 outstanding SPIE Student Members, based on their potential contribution to optics and photonics, or a related discipline. Award-winning applicants were evaluated, selected, and approved by the SPIE Scholarship Committee, chaired by SPIE Senior Member Brian Primeau.

Since the program began, SPIE has distributed more than \$7 million dollars in individual scholarships. This ambitious effort reflects the Society's commitment to education and to the next generation of optical scientists and engineers around the world.

To view other 2023 scholarship press releases as they become available, please visit the [2023 Scholarship Winners page](#) or learn more about [SPIE scholarships](#) on [spie.org](http://spie.org).

SPIE, the international society for optics and photonics, brings engineers, scientists, students, and business professionals together to advance light-based science and technology. The Society, founded in 1955, connects and engages with our global constituency through industry-leading conferences and exhibitions; publications of conference proceedings, books, and journals in the SPIE Digital Library; and career-building opportunities. Over the past five years, SPIE has contributed more than \$22 million to the international optics community through our advocacy and support, including scholarships, educational resources, travel grants, endowed gifts, and public-policy development. [www.spie.org](http://www.spie.org).

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