



Press release
28 May 2025

Hao Zhang awarded an SPIE Optics and Photonics Scholarship

BELLINGHAM, Washington, USA — **Hao Zhang** has been awarded a 2025 Optics and Photonics Scholarship by SPIE, the international society for optics and photonics, for potential contributions to optics, photonics, or a related field.



Zhang is a PhD candidate in electrical and computer engineering at UCLA and SLAC National Accelerator Laboratory, advised by Professor **Sergio Carbajo**. Zhang previously conducted research in the groups of Professor **Reuven Gordon** (from 2020 to 2023) and Professor **Kaixue Ma** (from 2017 to 2020). His work focuses on nonlinear optics, advanced pulse shaping for ultra-high-brightness light sources, optical trapping, and photonic transduction. “Capturing, manipulating, and emitting high-frequency waves and lights drives my passion for exploring the fundamental limits of light–matter interactions,” notes Zhang, “paving the way for the next generation of photonic, biosensing, and communication technologies.”

This month, the Society is awarding \$323,000 in scholarships to 74 outstanding SPIE Student Members, based on their potential contribution to optics and photonics, or a related discipline. Successful applicants were evaluated, selected, and approved by the SPIE Scholarship Committee, chaired by SPIE Senior Member **Brian Primeau**.

Since this program began in 1978, SPIE has distributed more than \$7.5 million dollars in individual scholarships. This ambitious effort reflects the Society's commitment to education as well as to the future generations of optical scientists and engineers around the world.

To view other 2025 scholarship press releases as they become available, please visit the [2025 Scholarship Recipients page](#) or learn more about [SPIE scholarships](#) on 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, we have invested more than \$25 million in the international optics community through our advocacy and support, including scholarships, educational resources, travel grants, endowed gifts, and public-policy development. www.spie.org.

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