



Press release
24 May 2024

Anand Dev Ranjan awarded an SPIE Optics and Photonics Scholarship

BELLINGHAM, Washington, USA — **Anand Dev Ranjan** has been awarded a 2024 Optics and Photonics Scholarship by SPIE, the international society for optics and photonics, for potential contributions to optics, photonics, or a related field.



Dev Ranjan is currently working with **Professor Ayan Banerjee** in the Department of Physical Sciences at the Indian Institute of Science Education and Research Kolkata (India). He focuses on two significant challenges in today's world: The growing demand for faster and more cost-effective biosensors, supplemented by a need for more congenial fabrication strategies. "My work focuses on microbubble lithography - a technique for developing microscopic patterns of diverse materials using microbubbles created by a high-intensity laser spot inside optical tweezers," noted

Dev Ranjan. "These microbubbles can cause dispersed materials to self-assemble, resulting in the formation of continuous patterns." Dev Ranjan is harnessing this technique to develop a multi-disease diagnostic platform. "I am pursuing research with a motivation to serve both science and society," said Dev Ranjan. "Thank you, SPIE, for appreciating my work. I am especially grateful to my family, friends, professors, and Krushna."

This month, the Society is awarding \$303,000 in scholarships to 72 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 2024 scholarship press releases as they become available, please visit the [2024 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, SPIE has contributed more than \$24 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.

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