



Press release

Baker awarded SPIE BACUS Scholarship

BELLINGHAM, Washington, USA – 18 May 2021 – **Maryam Baker** has been awarded the 2021 BACUS Scholarship by SPIE, the international society for optics and photonics, for their potential contributions to the field of microlithography with an emphasis on optical tooling and/or semiconductor manufacturing technologies.



Baker is a PhD student in the Wyant College of Optical Sciences at The University of Arizona (United States), working with Professor Euan McLeod in the Soft Nanophotonic Systems Lab. Her research is in lens-free imaging, particularly in methods for improving the resolution of reconstructed images and improved scalar models for modeling the light-matter interaction of nanoparticles. “I also enjoy mentoring high-school and undergraduate students in the lab and undergraduate engineering students on their senior capstone projects,” said Baker.

In 2021, the Society is awarding \$298,000 in education scholarships to 78 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 volunteer Kate Medicus.

Through 2020, SPIE has distributed over \$6 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 2021 press releases as they become available go to the [2021 Scholarship Winners page](#) or learn more about [SPIE scholarships](#) on spie.org.

SPIE is the international society for optics and photonics, an educational not-for-profit organization founded in 1955 to advance light-based science, engineering, and technology. The Society serves more than 255,000 constituents from 183 countries, offering conferences and their published proceedings, continuing education, books, journals, and the SPIE Digital Library. In 2020, SPIE provided more than \$5 million in community support including scholarships and awards, outreach and advocacy programs, travel grants, public policy, and educational resources. www.spie.org

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