



Press release
5 September 2024

Kayley Waltz awarded the SPIE-BACUS Scholarship

BELLINGHAM, Washington, USA — **Kayley Waltz** has been awarded the 2024 SPIE-BACUS Scholarship by SPIE, the international society for optics and photonics, and the BACUS Steering Committee for potential contributions to the field of microlithography with a focus on optical tooling, semiconductor manufacturing or related areas.



Waltz is a fourth-year PhD student in the Chemical and Biomolecular Engineering Department at Johns Hopkins University, under the direction of **Professor Michael Tsapatsis**. Her research focuses on the development of metal containing resists for electron-beam and EUV lithography. Her academic interests include atomic and molecular layer deposition, high-resolution patterning, microscopy, metal organic frameworks, and hybrid organic-inorganic materials. “I am very fortunate to have been considered for this scholarship,” said Waltz. “I am thankful to SPIE and the BACUS Steering Committee for the opportunity to learn from those in industry, as these invaluable experiences will help me succeed in the field of semiconductor lithography and nanofabrication.”

Waltz will be recognized in person at SPIE Photomask Technology + EUV Lithography in Monterey this October.

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.

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