



Press release

## Bin Wang awarded SPIE BACUS Scholarship

BELLINGHAM, Washington, USA – 11 August 2022 – **Bin Wang** has been awarded the 2022 BACUS Scholarship by SPIE, the international society for optics and photonics, for his potential contributions in the fields of microlithography, photomask technology and/or optical/EUV photolithography technologies.



Wang is currently pursuing his PhD in physics at JILA, a joint institution of University of Colorado Boulder and the National Institute of Standards and Technology. He is currently co-supervised by Professors Margaret Murnane and Henry Kapteyn. Wang's research involves the development of computational EUV microscopes using tabletop high harmonic sources, with a focus on studying the geometric and chemical properties of semiconductor samples, including patterned wafers and EUV photomasks. As project leader, he is developing an EUV microscope for actinic inspection of EUV photomasks, which is capable of addressing much-needed advances in EUV photomask metrology techniques. Wang has authored and co-authored more than 20 journal, conference, and patent publications.

In 2022, the Society is awarding \$293,000 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 which is chaired by Kate Medicus.

Through 2021, 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 2022 press releases as they become available, go to the [2022 Scholarship Winners page](#) or learn more about [SPIE scholarships](#) at [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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Media contact:

Daneet Steffens

Public Relations Manager

[daneets@spie.org](mailto:daneets@spie.org)

+1 360-685-5478 | [@SPIEtweets](#)