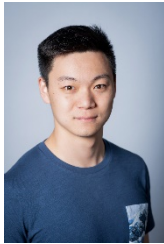




Press release

## Ren awarded SPIE BACUS Scholarship

BELLINGHAM, Washington, USA – 9 June 2020 – **David Ren** has been awarded the 2020 BACUS Scholarship by SPIE, the international society for optics and photonics, for his potential contributions to microlithography or related field.



Ren is a PhD candidate in Electrical Engineering and Computer Sciences at the University of California, Berkeley (USA), and he works with Professor Laura Waller in the Computational Imaging lab. In his research, he collaborates with National Center for Electron Microscopy on high resolution 3D imaging techniques. “By finding an optimal image acquisition scheme, combined with computationally modelling of the scattering events between the electron probe and the specimen, the proposed framework can recover high resolution features in a three-dimensional volume such as atomic coordinates and lattice structures, which provides further insights into material science, chemistry, and even biology,” said Ren.

In 2020, 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 2019, 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 2020 press releases as they become available go to the [2020 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 2019, SPIE provided more than \$5.6 million in community support including scholarships and awards, outreach and advocacy programs, travel grants, public policy, and educational resources. [www.spie.org](http://www.spie.org)

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Media contact:

Stacey Crockett

Media Relations Coordinator, SPIE

+1 360-676-3290

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