



Press release

## Yermakov awarded SPIE Optics and Photonics Education Scholarship

BELLINGHAM, Washington, USA – May 31, 2019 – **Oleh Yermakov** has been awarded a 2019 Optics and Photonics Education Scholarship by SPIE, the international society for optics and photonics, for his potential contributions to the field of optics, photonics or related field.



Yermakov is a third-year PhD student in the Faculty of Physics and Engineering at ITMO University (Russian Federation). He conducts research in the International Research Center for Nanophotonics and Metamaterials under the supervision of Dr. Andrey Bogdanov. His work focuses on (i) metasurfaces with strongly anisotropic and hyperbolic optical properties supporting highly confined electromagnetic surface waves with hybrid TE-TM polarization and (ii) all-dielectric photonic structures supporting broadband polarization degeneracy of eigenmodes. “The results obtained open a new degree of freedom and exhibit extraordinary properties to control and manipulate light at nanoscale,” says Yermakov.

The Society awarded \$298,000 in education scholarships to 84 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 Jeremy Bos.

Through 2018, SPIE has distributed \$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 2019 press releases as they become available go to the [2019 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 257,000 constituents from 173 countries, offering conferences and their published proceedings, continuing education, books, journals, and the SPIE Digital Library. In 2018, SPIE provided more than \$4 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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