VISUALIZING OPTICS

"Optics in 2025" Cover Art

For its December 2025 "year in optics" feature, OPN received numerous submissions for cover art. Here are a few of our favorites—which cover would you choose?

High-resolution single-photon lidar depth image superimposed on matching photo.

A. McCarthy et al. / Image by A. McCarthy, G.G. Taylor and J. Garcia-Armenta

SEM of ultracompact 3D photonic chip for high-dimensional quantum gates.

K. Wang et al. / Image by J. Wang, J. Liu and K. Wang

Miniaturized coherent modulator enabling fast connectivity for advanced electronics.

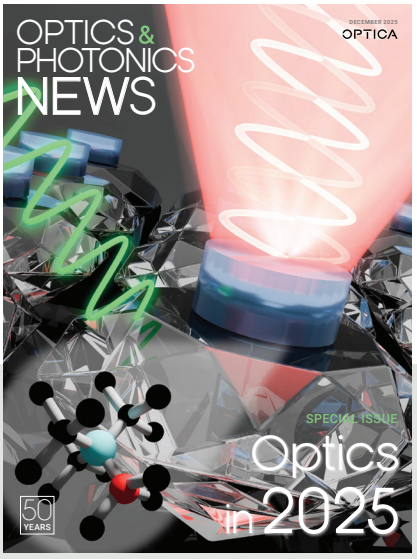
A. Geravand et al. / Illustration by COPL, Université Laval

Electromagnetic meta-cannon emits hybrid toroidal pulse with rich topologies.

R. Wang et al. / Illustration by Y. Shen and R. Wang

Conceptual image showing transition from neural networks to lightsail designs.

L. Norder et al. / Illustration by ScienceBrush



Crystalline silicon nano-antenna enhances light emission from color centers in diamond.

M. Kim et al. / Illustration by M. Kim

Selected for OPN's "Optics in 2025" cover

Illustration of interference phenomena in transmission microscopy of human eye.

V. Mazlin et al. / Illustration by V. Mazlin

Photothermal FLOWER detects nanoscale absorbers in a microtoroid resonator.

J. Su / Illustration by Ella Maru Studio; concept by J. Su

Artist's view of coherent quantum communications.

M. Pittaluga et al. / Illustration courtesy of Toshiba

Illustration of second-harmonic generation of incoherent vortex beams.

Z. Pang and A. Arie / Image by Z. Pang

Illustration of two counter-propagating pulsed laser beams focused into a follicle.

Y. Qi et al. / Illustration by Y. Qi, W.-B. Chen and F. Yang

Image of a hidden object using the light scattering off a relay wall.

W. Li et al. / Illustration by F. Xu

Which cover would you choose? Take our poll to select your favorite: **optica-opn.org/optics-in-2025/poll**.

View all of the "Optics in 2025" research summaries: **optica-opn.org/optics-in-2025**.