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Early-stage Photonics Companies Profiled in New Ones to Watch Series

Four OIDA Member Companies Featured in New Ones to Watch Series

WASHINGTON – The OSA Industry Development Associates ([OIDA](#)) today announced the launch of the [Ones to Watch](#) report series profiling innovative early-stage photonics companies. Featuring interviews with executives conducted by Europa Market Intelligence Limited ([EMIL](#)), each case study focuses on the participating company's key technologies, funding overview, market opportunities, product roadmap and a five-year market forecast. OIDA, OSA's Corporate Membership division, produces the reports.

Four OIDA members showcased in the first set of reports -- Neurescence, NUBURU, QuiX and Voyant Photonics -- are particularly noteworthy because of their approach to finding solutions to challenges within the photonics industry. Collectively, the Ones to Watch reports are intended to generate discussion and stimulate ideas for companies to develop game-changing technologies.

Neurescence is a biotechnology company which has created and commercialized Quartet — a miniature microscope for simultaneous, multi-region functional imaging of neuronal circuits.

NUBURU develops blue laser technology. It has produced a high-power laser, consisting of gallium nitride semiconductor laser diodes, which operate in the blue wavelength, coupled to an optical fibre. This can be used in applications from energy storage to automotive electric vehicles to consumer electronics module manufacturing within smartphones, laptops, and desktops and ultimately even 3D printing.

QuiX - Integrated photonics for optical quantum computing: the company develops plug-and-play integrated and reconfigurable light-based quantum processors, based on silicon nitride waveguides, with a view to ultimately producing a quantum computer that operates at room temperatures. This could make the technology more viable by reducing the cost associated with dilution refrigerators.

Voyant Photonics - Chip-scale LiDAR 3D sensing technology: Using silicon photonics technology, Voyant has created a solid-state LiDAR on-a-chip system with the capabilities of larger systems. This minimization will allow chip-scale LiDARs to be built into robotic fingers, drones, smartphones, AR glasses, and more, opening up new applications and revenue possibilities.

Companies interested in being featured in the Ones to Watch report series should contact OIDA Management at oida@osa.org.

About OIDA

OSA Industry Development Associates (OIDA), operated as a division of The Optical Society (OSA), serves and represents organizations engaged in the business of optics and photonics—from start-ups to Fortune 500s. In support of its member companies, OIDA promotes and protects the business of optics and photonics in driving innovation, creating jobs, and accelerating growth in the U.S. and around the world. OIDA provides exclusive roadmap reports and market data for the industry, serves as the voice of the industry to government and academia, acts as a liaison with several trade associations worldwide and provides a network for the exchange of ideas and information within the optics and photonics community.

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