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Aeluma to Showcase Semiconductor Breakthroughs for AI, Quantum, and Sensing Markets at Leading Industry Conferences

Upcoming Presentations at CS Mantech in May and OIP in June Highlight Aeluma's Scalable Photonic Platforms for High-Performance Computing, Quantum, and Sensing

GOLETA, CA / [ACCESS Newswire](#) / May 14, 2025 / Aeluma, Inc. (NASDAQ:ALMU), a semiconductor company specializing in high-performance, scalable technologies for mobile, automotive, AI, defense and aerospace, communication, and quantum computing, announced today it will participate in two key upcoming industry conferences: the 2025 International Conference on Compound Semiconductor Manufacturing Technology (CS Mantech) and the 2025 IEEE Optical Interconnects and Packaging Conference (OIP).

At the conferences, Aeluma will present technical advancements in shortwave infrared photodetectors, high-speed optical interconnects, and quantum dot lasers for silicon photonics, core technologies engineered to meet the growing performance and scale requirements of AI infrastructure, quantum, and sensing systems.

At [CS Mantech](#), being held May 19-22, 2025 in New Orleans, Louisiana, Aeluma will deliver a talk titled: **"Heterogeneous Integration of Large-Area InGaAs SWIR Photodetectors on 300mm CMOS-Compatible Si Substrates."** This session will spotlight Aeluma's novel approach to wafer-scale manufacturing of high-performance photodetector arrays enabling compact, energy-efficient solutions for mobile and consumer, AR/VR, defense and aerospace, and industrial automation.

At the [IEEE OIP](#), being held June 16-18, 2025 in Fort Collins, Colorado, Aeluma will present:

- **"Heterogeneous Integration of InGaAs PIN and APD Photodetectors for High-Speed Interconnects,"** focusing on data center, AI infrastructure, and aerial systems.
- **"Scalable and Monolithic Integration of Quantum Dot Lasers for Silicon Photonics,"** addressing critical bottlenecks in next-generation optical interconnects, AI infrastructure, quantum, and sensing.

For meeting requests at either event, contact: info@aeluma.com.

About Aeluma, Inc.

Aeluma (www.aeluma.com) develops photonics and optoelectronics for sensing, computing, and communication applications. Aeluma has pioneered a technique to manufacture semiconductor chips using high-performance compound semiconductor materials on large-diameter substrates that are commonly used for mass-market microelectronics. The technology has the potential to enhance performance and scale manufacturing, both of which are critical for emerging applications. Aeluma is developing a streamlined business model from its headquarters in Santa Barbara, California that has a state-of-the-art manufacturing cleanroom. Its transformative semiconductor chip technology may impact a variety of markets including mobile, defense and aerospace, AI, automotive, AR/VR, quantum, and communication. Aeluma differentiates itself with unique semiconductor manufacturing capability, proprietary technology, the ability to perform rapid prototyping, and a broad set of product offerings.

Forward-Looking Statements

All statements in this press release that are not historical are forward-looking statements, including, among other things, statements relating to the Company's expectations regarding its market position and market opportunity, expectations and plans as to its product development, manufacturing and sales, and relations with its partners and investors. These statements are not historical facts but rather are based on the Company's current expectations, estimates, and projections regarding its business, operations and other similar or related factors. Words such as "may," "will," "could," "would," "should," "anticipate," "predict," "potential," "continue," "expect," "intend," "plan," "project," "believe," "estimate," and other similar or related expressions are used to identify these forward-looking statements, although not all forward-looking statements contain these words. You should not place undue reliance on forward-looking statements because they involve known and unknown risks, uncertainties, and assumptions that are difficult or impossible to predict and, in some cases, beyond the Company's control. Actual results may differ materially from those in the forward-looking statements as a result of a number of factors, including those described in the Company's filings with the Securities and Exchange Commission. The Company undertakes no obligation to revise or update information in this release to reflect events or circumstances in the future, even if new information becomes available.

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