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Achieving Ultralow-Loss Photonics Array Alignment

Tuesday, April 26, 2022 1:00 PM - 2:00 PM EDT

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Presented by

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.: About This Webinar

Two- and three-dimensional photonics arrays are commonly used for coupling light in photonic integrated circuits (PICs). With increasing demand for ultralow-loss transmission in applications such as datacom, artificial intelligence (AI), virtual reality (VR), and quantum computing, fast and precise alignment of photonics arrays to other devices is critical. Darrell Paul presents current industry challenges and limitations as well as automation solutions for achieving ultralow-loss photonics alignment.

Learning objectives:

- To understand the challenges and limitations in photonics array alignment.
- To identify motion architectures that enable improved coupling performance in demanding and high-performance applications.
- To establish best practices for alignment process optimization and production-level performance.
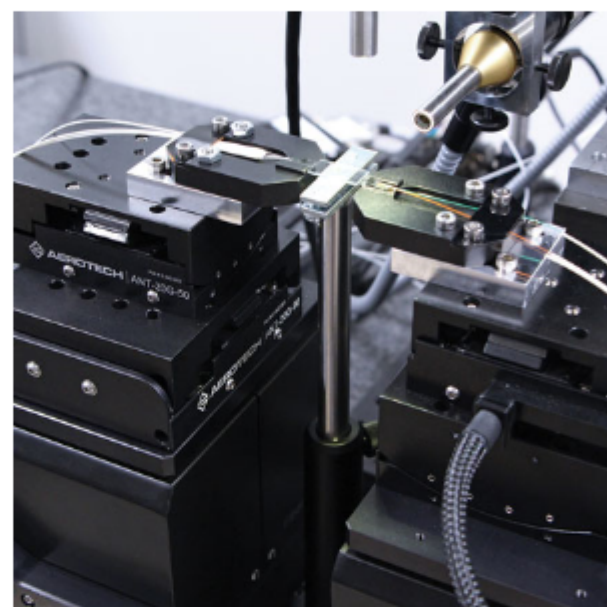
Who should attend:

Automation engineers responsible for designing and building solutions for photonic integrated circuits (PICs) and silicon photonics. Engineers and scientists building next-generation datacom, virtual reality (VR), artificial intelligence (AI), and quantum computing photonic devices. Those working in research or management within industries such as aerospace & defense, automotive, biophotonics, optics, communications, and medical.

About the presenter:

Darrell Paul is a business development manager at Aerotech, responsible for developing automation solutions for the photonics industry. He has over 20 years of experience in motion control and automation across multiple industries including those working with semiconductors and high-speed packaging.

About Aerotech:

Aerotech is a provider of precision automation and motion control systems, offering a complete range of motion and automation solutions. Aerotech's standard offerings include motion control platforms, drives and amplifiers, motors, positioning stages and actuators, hexapods, and galvo laser scan heads. They also provide custom motion subsystems and integrated automation systems. Clients trust Aerotech as a high-performance automation partner to solve the most challenging motion and automation problems.

.: Mark Your Calendar

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