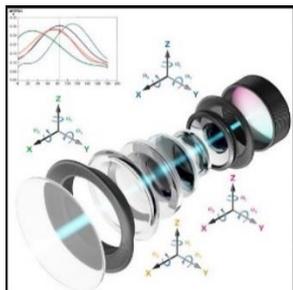


## Intelligent Positioning in High Throughput Photonics Manufacturing Automation

Scott Jordan, PI (Physik Instrumente)



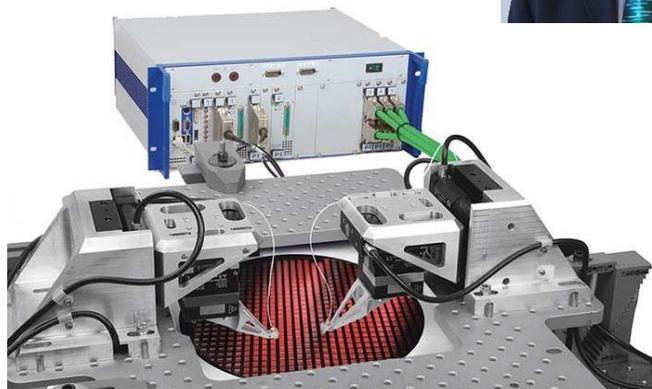
**Abstract:** In Silicon Photonics and other precision optical fields, production quantities have exponentiated and competition has intensified over the past few years. In multiple test and packaging steps, submicron-scale alignments are necessary and dominate overall production costs. These commence with optically and electronically probing devices while still on the wafer, and the alignments must be repeated through final packaging and all the intermediate steps in between.

The key is leveraging optical physics to separate dependence on position commandability. A universal implementation is now commercially available and fab-proven. Process cost reductions of 99% are seen. We will discuss this technology and its applications, and a live demonstration of parallel array I/O alignment will be offered.

**About our speaker:** Scott Jordan is the Head of Photonics; Sr. Director, NanoAutomation and a PI Fellow at PI USA / PI (Physik Instrumente) L.P. He received a MS in Physics from UC Irvine and an MBA in Finance from USC. Scott has extensive experience in high-tech business development, rainmaking, turnaround, troubleshooting, innovation management, strategic marketing and positioning. Scott has years of technical experience in instrumentation, motion control, software, photonics/SiP (silicon photonics), process-automation and nanotechnology; with multiple patents issued and pending, including key enabling photonics manufacturing, metrology and micro-robotic intelligence technologies.



**Presentation Introduction** and short technical review of Silicon Photonics will be provided by Donn Silberman, OSSC Fellow and former PI Sr. Applications Engineer. This will set the foundation for the advanced positioning technology discussion to follow.



A Silicon Photonics test and alignment system

**Wednesday, April 8th, 2020**

**OSSC Member Business: 6:00pm**  
Find out about how the OSSC will meet our  
Aims & Objectives during these times.

**Dinner: On your own**  
**Presentation: 6:30pm**

**Limit is 100 people**  
**Please register by 7 April**  
**No fee for this on-line webinar**

**Webinar Log-in details will be emailed after  
your registration is complete in the evening  
on April 7.**

On-line Registration: [www.osscc.org](http://www.osscc.org) or  
Contact: Sean M Wilson  
310-933-2255 (p)  
s15wilson@sbcglobal.net