Monday, December 8, 2025

PHOTONICS spectra®

WEBINARS

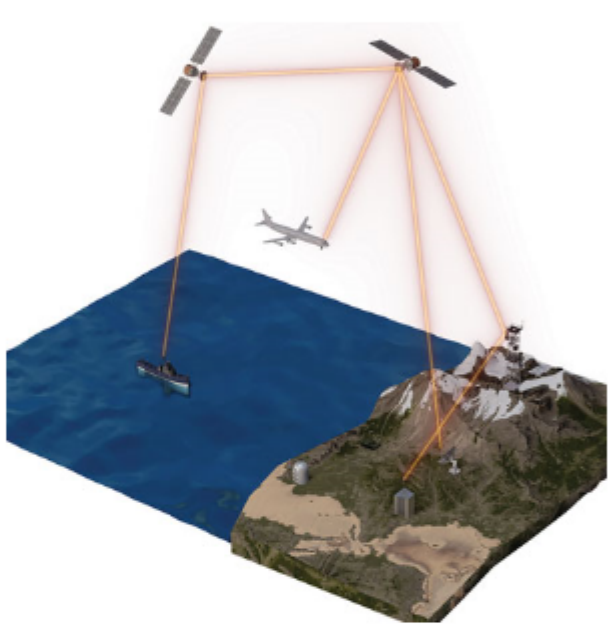
Join us for a FREE Webinar

Dynamic Beam Lasers for Free-Space Optical Propagation

Monday, December 22, 2025 11:00 AM - 12:00 PM EST

Register Now

Dynamic Beam Lasers (DBLs), powered by Coherent Beam Combining (CBC), are transforming Free Space Optical (FSO) propagation. Unlike conventional single-beam sources, DBLs can dynamically control beam shape, phase, and direction in real time. With power levels up to 120 kW continuous wave (CW), flexible beam steering, and adaptive beam shaping, DBLs deliver high-precision, reliable optical transmission across free-space environments.



Gain insights into:
The fundamentals of Coherent Beam Combining and Optical Phased Arrays
Real-time dynamic beam shaping and steering for enhanced control
Techniques for mitigating atmospheric distortion and thermal blooming
Integration considerations for high-power FSO systems
Experimental data and performance results from recent DBL demonstrations

Join Dr. Eyal Shekel who is the founder and CEO of Civan Lasers, and a leader in high-power DBLs using Coherent Beam Combining. Dr.Shekel will help attendees explore how CBC-based DBLs enhance beam quality and stability, extend range, and mitigate atmospheric distortion and thermal blooming.

Upcoming Webinars

- Engineering the Next Generation of Large-Format High-Power Optics, 12/10/2025 10:00:00 AM EST
- Using Laser Welding Process Monitors to Improve Manufacturing Success, 12/11/2025 12:00:00 PM EST

Archived Webinars

- PIC Lasers and Integrated Solutions for Quantum Technology
- Scaling PICs with Heterogeneous Integration
- Frequency Comb Solutions for the Quantum 2.0 Revolution

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