Wednesday, October 8, 2025

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WEBINARS

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Metasurface Optics for Information Processing and Computing

Thursday, October 9, 2025 1:00 PM - 2:00 PM EDT

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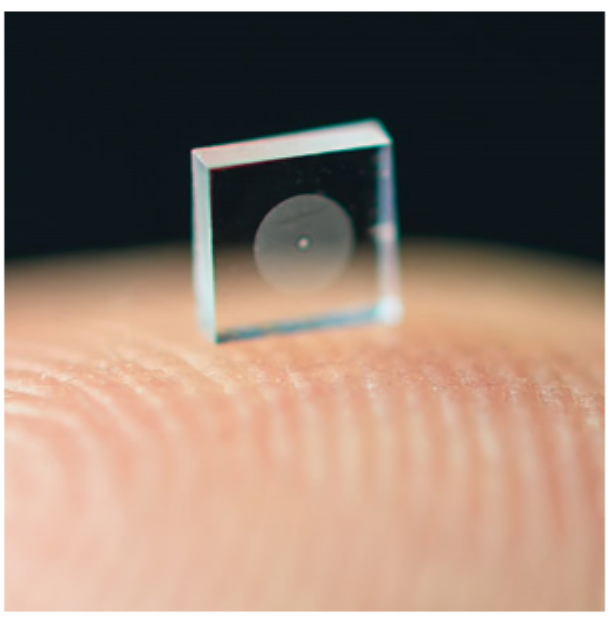
Metasurface optics—ultrathin, nanostructured elements capable of precise light manipulation—are revolutionizing optical information processing. By co-designing optical hardware with computational algorithms, these systems enable complex operations like spatial convolutions directly in the optical domain. This hybrid analog-digital approach offers new possibilities for faster, more efficient imaging and vision systems, while posing exciting challenges at the intersection of photonics, machine learning, and device integration. Sponsored by Moxtek.



Upcoming Webinars

- Tools for Analyzing, Controlling, and Simulating Biological Systems, 9/16/2025 1:00:00 PM EDT
- Metrology in Manufacturing: How Smart, Inline Metrology Can Set Your Optical Assembly Program Up for Success, 9/24/2025 11:00:00 AM EDT
- Using Laser Welding Process Monitors to Improve Manufacturing Success, 12/11/2025 1:00:00 PM EST

Archived Webinars

- Designing Optical Metasurfaces: Principles to Production
- Advancing IR Lens Design: New Materials for Low-SWaP Imaging
- The Challenge of Multiscale Simulation: A Case Study on Metalenses

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