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Next-Generation Instrumentation for Optical Control and Characterization

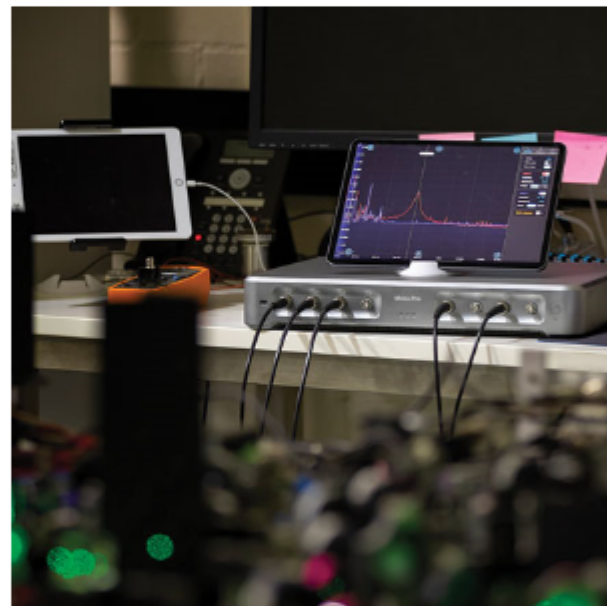
Wednesday, November 8, 2023 1:00 PM - 2:00 PM EST

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Presented by



The characterization and control of optical systems with multiple stand-alone pieces of test equipment often presents difficult challenges that lead to lower stability, more noise, and increased system complexity. With flexible, digitally implemented instruments, though, it's easy to optimize optical control systems with agility and speed. During this special presentation, Kate Mueller and Steve Kuhn from Liquid Instruments share next-generation strategies to characterize and control an optical system with flexible, reconfigurable, FPGA-based instrumentation. The presentation integrates multiple software-defined instruments in one system, including a lock-in amplifier, phasemeter, PID controller, and frequency response analyzer, to explore novel phase detection techniques. Tune in to discover new ways to fully characterize open- and closed-loop system responses, improve measurement confidence and speed with dedicated phase detection, consolidate legacy test equipment, and reduce costs with software-defined instrumentation. Presented by [Liquid Instruments](#).



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