



WEBINARS

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A Narrow Linewidth Distributed Feedback Laser Diode with Unique Frequency Modulation Response

Tuesday, September 24, 2024 11:00 AM - 12:00 PM EDT

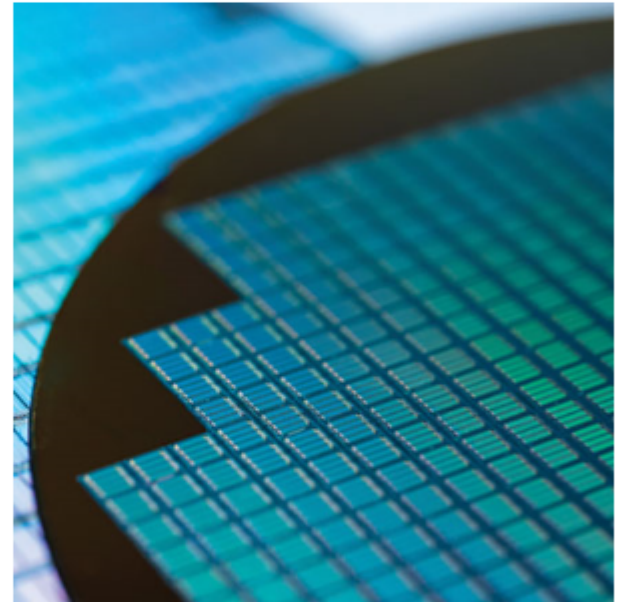
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Presented by

TeraXion

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Distributed feedback (DFB) laser diodes are single-frequency laser sources that can be produced in volume at a low cost. They represent compact and reliable laser technology and are widely used in telecom and sensing applications. They can be modulated in frequency by tiny modulation of their bias current, which is an attractive feature for any photonic system taking advantage of frequency modulation or frequency locking. In this webinar, Patrice Dionne introduces a new narrow linewidth DFB laser diode with a unique frequency modulation response. He discusses the classical limitations of DFB laser diodes and explores the improvements and benefits associated with this innovative new laser through different use cases such as phase and frequency locking loops, linearization of high amplitude frequency chirp, and sudden frequency shifts. He also presents examples of laser integration. Presented by [TeraXion](#).



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