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High-Power Diode Laser Modules for Manufacturing and OEM Integration

Wednesday, December 14, 2022 10:00 AM - 11:00 AM EST

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.: About This Webinar

High-power diode lasers have progressed significantly since their first appearance in the market. Today, these lasers are able to utilize high power levels and high-percentage electro-optical efficiencies for selected wavelengths. The wavelength range has also been dramatically extended, taking advantage of a variety of material systems, including GaN (blue), InGaAlAsP (red), GaAs (NIR), InP (NIR), and GaSb (MIR).

Additional techniques support the manufacture of special products, including line narrowing and spectral locking, with extraordinary results. Jörg Neukum, Ph.D., provides an overview of this technology, addressing wavelengths, cooling technologies, beam shaping, and power levels. He also presents selected examples of the realized performances.

Who should attend:

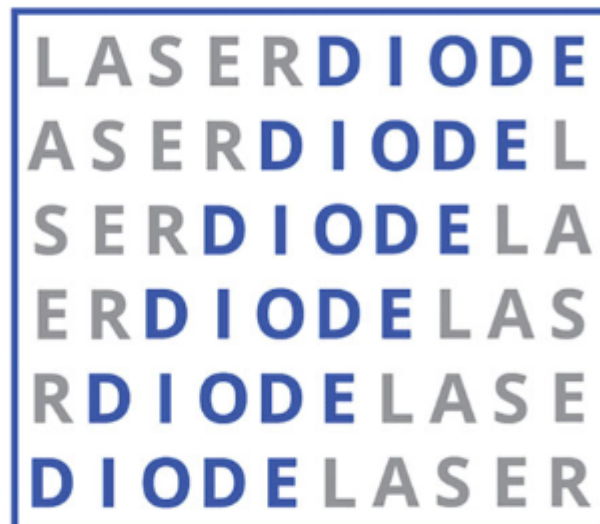
Engineers, researchers, manufacturers, and integrators who are interested in the capabilities of high-power diode lasers. Those who work with or design OEMs. Anyone who works with cameras, sensors, LEDs, and test & measurement in industries such as aerospace, automotive, communications, defense, energy, and semiconductors.

About the presenter:

Jörg Neukum, Ph.D., is director of product marketing for high-power diode lasers at Coherent. He studied physics at Technische Universität in Darmstadt, Germany, and obtained a doctorate in the field of rare-earth spectroscopy and laser design. Neukum has held several different positions within the high-power diode laser industry. He is based in Mainz, Germany.

About the sponsor:

Coherent empowers market innovators to define the future through breakthrough technologies, from materials to systems. They deliver innovations that resonate with their customers in diversified applications for the industrial, communications, electronics, and two instrumentation markets. Headquartered in Saxonburg, Pennsylvania, Coherent has research and development, manufacturing, sales, service, and distribution facilities worldwide.



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