

Anniversary Workshop Speakers



Thirty-Five Years of Widely-Tunable Single-Chip Lasers: A Pathway to Active PICs

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Larry A. Coldren is the Fred Kavli Professor of Optoelectronics and Sensors at the University of California, Santa Barbara, CA. He received his Ph.D. in EE from Stanford Univ. and spent 13 years in research at Bell Labs before joining UCSB in 1984, where he holds appointments in the ECE and Materials Departments. He served as Dean of Engineering at UCSB from 2009-2011. In 1991 he co-founded Optical Concepts, acquired as Gore Photonics, to develop novel Vertical-Cavity Surface-Emitting Laser (VCSEL) technology; and in 1998, Agility Communications, acquired by JDS-Uniphase, to develop widely-tunable integrated optical transmitters.

He has authored or co-authored over a thousand journal and conference papers, including numerous plenary, tutorial and invited presentations. He has co-authored 8 book chapters and two textbooks, including the most used text on Diode Lasers and Photonic ICs in circulation today. He has been issued 65 patents and is a recipient of several awards, including the John Tyndall, Aron Kressel, David Sarnoff and IPRM Awards. He is a Life Fellow of the IEEE, and a Fellow of the OSA and IEE as well as a member of the National Academy of Engineering.