# Wavelength Control in Mode-Locked Lasers for WDM Applications

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Future generations of communication systems with bandwidths in the 100- 800 Gb/s range require the development of very high speed WDM sources. Arrays of monolithic mode-locked DBR lasers arc an attractive source for these systems, with the ability to generate very short (< 10 ps) optical pulses at high (> 10 GHz) repetition rates. This talk will address the unique requirements in the design, fabrication and characterization of arrays of mode-locked lasers for ultra-high speed WDM applications.