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Coherence Comb Laser Sources: Quantum Dots, Packaging and Active Control

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We have successfully developed several InAs/InP quantum-dot (QD) C-band coherence frequency comb laser sources with the frequency spacing from 10 GHz to 100 GHz with the total output power of up to 50 mW in telecommunication industry for Tb/s high speed optical transmission networking systems. In this talk, we will present our advanced in-house QD growth, laser chip design, nano-fabrication, characterization, packaging and electrical fast-feedback-loop control systems.

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