

## Signal Quality Enhancement of Directly- Modulated VCSELs Using a Micro-Ring Resonator Transfer Function - DTU Orbit (09/11/2017)

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A micro-ring resonator transfer function is used to enhance the quality of signals generated using directly modulated VCSELs. The scheme is demonstrated up to 25 Gbit/s with a 17.6-GHz VCSEL, with up to 10 dB sensitivity improvement.

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