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## Supercontinuum Lightwave Source for Telecommunications

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**Abstract:** Recent progress in supercontinuum lightwave source for telecommunications is presented. It provides coherent 200 nm optical bandwidth at 1.5  $\mu\text{m}$ , providing multi-wavelength short pulses for high-speed OTDM/WDM networks, more than 1,000 high-quality optical carriers for DWDM, and an extremely precise optical frequency grid for optical frequency standards.

**Key Words:** [Supercontinuum](#), [Multi-wavelength pulse source](#), [Multi-carrier source](#), [Optical frequency standards](#), [SNR](#), [Channel spacing](#), [Transmission](#), [DWDM](#)

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