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## **New concepts for broadband coherent supercontinuum generation in microstructured optical fibers and photonic nanowires**

We numerically and experimentally investigate supercontinuum (SC) generation in fibers with all-normal group velocity dispersion (GVD) under femtosecond pumping, including photonic crystal fibers (PCF), photonic nanowires and suspended core fibers for octave-spanning recompressible supercontinuum generation in the infrared, visible and ultraviolet spectral regimes.

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