

Supercontinuum Laser Demonstration

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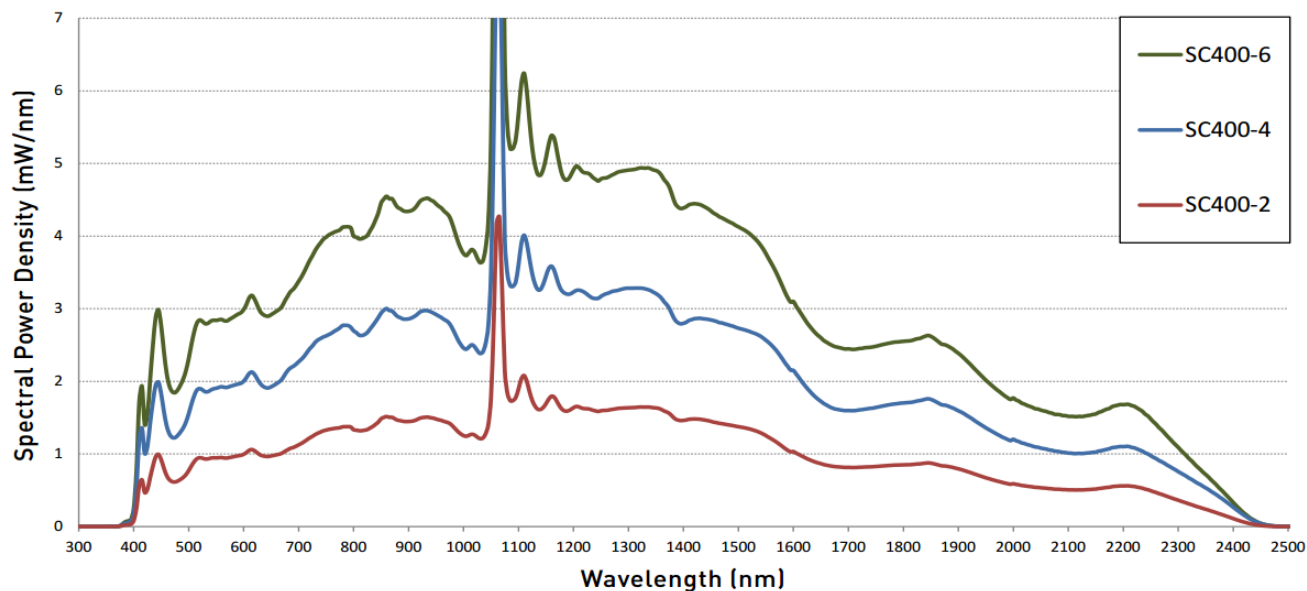
Fianium - Ultrafast Fiber Lasers

Friday, Oct. 12 at 9:00am

Birck Room 1001

In this demonstration we will provide an overview of how supercontinuum generation works and outline some of the vast array of applications that can and have benefitted from the sources in recent years. A supercontinuum laser coupled to a tunable filter will be operated in real time to exhibit the capabilities of the technology. The laser provides a bandwidth spanning nearly three octaves from 400nm to over 2.3 μ m. There are a number of tunable filter options, and one will be demonstrated that has the capacity for microsecond switch times and can select up to 8 independent channels. Each channel can be set in wavelength or scanned across the bandwidth. The demo will last for 30 minutes and will be informal and interactive.

Fianium has been the leading worldwide manufacturer of supercontinuum lasers since 2005 and offers 200mW to 8W sources with spectral coverage from 350nm to well over 2 microns with spectral power densities up to 4mW/nm. Fianium also offers a vast array of single-wavelength ultrafast fiber laser sources. These products consist of high-energy picosecond and femtosecond fiber lasers for microprocessing applications, high average power picosecond and femtosecond lasers, and 355nm and 266nm UV lasers.



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