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## **Seminar über Laser und Biomedizinische Photonik**

**Referent:** Dr. Seongwoo Yoo, Optoelectronics Research Centre (ORC), University of Southampton, UK

**Titel:** Specialty fibers enabling advances in power scaling of fiber based sources

Fiber lasers have seen dramatic progress in their output power. In particular, ytterbium-doped fiber lasers have been power-scaled to 10 kW level at ~1.1 mm with a nearly diffraction-limited beam. As it is a fiber laser, the fiber is a key element, i.e. the fiber should be designed to be suitable for power-scaling as well as control of nonlinearity. This talk will discuss specialty optical fibers for high power fiber based sources with particular attention to the design and fabrication.

**Zeit:** Freitag, 21.08.2009, 10:15 Uhr

**Ort:** **Hörsaal B1**, Gebäude exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz