



FWF SFB NEXT GENERATION LIGHT SYNTHESIS AND INTERACTION

NEXT-LITE SEMINAR

Femtosecond Filamentation in Condensed Dielectric Media: from Ultraviolet to Mid- Infrared

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Date and Time: Thursday, December 19th, 2013, 4 p.m.

Location: TU Wien, Institut für Photonik, Gußhausstraße 27-29, 1040 Wien, Seminarraum CB EG 02

Space-time transformations of ultrashort laser pulses in the regime of normal group velocity dispersion. Supercontinuum generation. Extreme events in optical filaments. Complete life cycle of femtosecond filaments. Filamentation in the anomalous group velocity regime. Third harmonic generation with large phase and group velocity mismatch. Fifth harmonic generation.

Host: Andrius Baltuska

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Der Wissenschaftsfonds.