

## Short Time-scale Physics and Applied Laser Physics Division Fachverband Kurzzeit- und angewandte Laserphysik (K)

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### Overview of Invited Talks and Sessions

(Lecture hall ELP 6: HS 1; Poster ELP Foyer)

#### Invited Talks

- K 1.1 Mon 11:00–11:35 ELP 6: HS 1 **Zufall, Struktur und Gesetze in physikalischer Information** —  
•RUDOLF GERMER
- K 1.2 Mon 11:35–12:10 ELP 6: HS 1 **Wellenfunktion und Realität** — •ALFRED EICHHORN

#### Invited Talks of the joint Symposium Lasers and Photonic Technologies for Environmental Challenges (SYEC)

See SYEC for the full program of the symposium.

- SYEC 1.1 Tue 11:10–11:40 ELP 6: HS 1 **Nanostructured optical waveguides inside YAG crystals as a crucial step towards the development of microlasers for advanced sensing applications** — •OMAR DE VARONA, FRANZETTE PAZ-BUCLATIN, PAUL SANTOS, PABLO MOLINA, LEOPOLDO MARTÍN, AIRÁN RÓDENAS
- SYEC 1.2 Tue 11:40–12:10 ELP 6: HS 1 **Laser surface modification of graphite anodes for lithium-ion batteries with improved fast-charging capability** — •MAX-JONATHAN KLEEFoot, JENS SANDHERR, JIRI MARTAN, VOLKER KNOBLAUCH, HARALD RIEGEL
- SYEC 2.1 Tue 14:00–14:30 ELP 6: HS 4 **Development of soft glass optical fibers based on 3D printed preforms** — •RYSZARD BUCZYNSKI, PAWEŁ WIENCLAW, PRZEMYSŁAW GOLEBIEWSKI, DARIUSZ PYSZ, ADAM FILIPKOWSKI, GRZEGORZ STEPNIEWSKI, OLGA CZERWINSKA, ANDRZEJ BURGS
- SYEC 2.2 Tue 14:30–15:00 ELP 6: HS 4 **Three-dimensional Ultrashort-Pulse Laser Nanolithography of Optical Materials** — •AIRÁN RÓDENAS, OMAR DE VARONA, FRANZETTE PAZ-BUCLATIN
- SYEC 2.3 Tue 15:00–15:30 ELP 6: HS 4 **Fibre-based plasmonic micro reactor CO<sub>2</sub> reduction** — •DEVIN O'NEILL, PATRICK SPATH, WIEBKE ALBRECHT
- SYEC 5.1 Tue 17:15–17:45 ELP 6: HS 4 **Studying atmospheric dynamics with lasers in remote places** — •BERND KAIFLER

#### Sessions

- K 1.1–1.2 Mon 11:00–12:10 ELP 6: HS 1 **New Methods**
- K 2.1–2.4 Mon 14:00–15:20 ELP 6: HS 1 **Gas dynamics – Laser Systems and Laser Applications**
- K 3 Mon 15:20–16:00 ELP 6: HS 1 **Members' Assembly**
- K 4.1–4.3 Mon 16:30–18:30 ELP 6: Foyer **Poster**

#### Members' Assembly of the Short Time-scale Physics and Applied Laser Physics Division

Monday 15:20–16:00 ELP 6: HS 1