

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 halls f428; Poster Empore Lichthof)

Invited Talks

K 1.1 Mon 14:00–14:45 f428 **Zeit, Raum und Information in der physikalischen Beschreibung** —
•RUDOLF GERMER

Invited talks of the joint symposium SYAI

See SYAI for the full program of the symposium.

SYAI 1.1 Mon 14:00–14:30 e415 **Atom interferometry and its applications for gravity sensing** —
•FRANCK PEREIRA DOS SANTOS, LUC ABSIL, ROMAIN CALDANI, XIAOBING DENG, ROMAIN KARCHER, SÉBASTIEN MERLET, RAPHAËL PICCON, SUMIT SARKAR

SYAI 1.2 Mon 14:30–15:00 e415 **Atom interferometry for advanced geodesy and gravitational wave observation** — •PHILIPPE BOUYER

SYAI 1.3 Mon 15:00–15:30 e415 **Fundamental physics with atom interferometry** — •PAUL HAMILTON

SYAI 1.4 Mon 15:30–16:00 e415 **Atoms and molecules interacting with light** — •LUCIA HACKERMÜLLER

Invited talks of the joint symposium SYAD

See SYAD for the full program of the symposium.

SYAD 1.1 Tue 11:00–11:30 e415 **Electron Pulse Control with Terahertz Fields** — •DOMINIK EHLBERGER

SYAD 1.2 Tue 11:30–12:00 e415 **Laser-Based High-Voltage Metrology with ppm Accuracy** — •KRISTIAN KÖNIG, CHRISTOPHER GEPPERT, PHILLIP IMGRAM, JÖRG KRÄMER, BERNHARD MAASS, JOHANN MEISNER, ERNST OTTEN, STEPHAN PASSON, TIM RATAJCZYK, JOHANNES ULLMANN, WILFRIED NÖRTERSCHÄUSER

SYAD 1.3 Tue 12:00–12:30 e415 **Structured singular light fields** — •EILEEN OTTE

SYAD 1.4 Tue 12:30–13:00 e415 **Coherent Coupling of a Single Molecule to a Fabry-Perot Microcavity** — •DAQING WANG

Sessions

K 1.1–1.6 Mon 14:00–16:00 f428 **New Methods - Detonic - Light sources (EUV and others)**

K 2.1–2.7 Tue 14:00–15:45 f428 **Laser Systems**

K 3 Tue 15:45–16:00 f428 **Annual General Meeting**

K 4.1–4.13 Tue 16:30–18:30 f428 **Poster**

K 5.1–5.7 Wed 11:00–12:45 f428 **Laser Systems and Laser Applications**

K 6.1–6.1 Wed 13:10–13:55 f303 **Lunch talk: German Research Foundation (DFG) (joint session A/K/P/MO/MS/Q)**

K 7.1–7.4 Wed 14:00–15:00 f428 **Laser Beam Interaction and Laser Diagnostics**

Annual General Meeting of the Short Time-scale Physics and Applied Laser Physics Division

Dienstag 15:45–16:00 f428

- Bericht

- Verschiedenes