

## 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 K-H4; Poster P)

#### Invited Talks

K 3.1	Wed	14:00–14:30	K-H4	<b>Leistungsimpulstechnik: Im Rückblick und mit Blick auf aktuelle und künftige Anwendungen</b> — ●KLAUS FRANK
K 3.2	Wed	14:30–15:00	K-H4	<b>Technischer Stand der Pulsed Power in medizinischen Excimer Lasern</b> — ●CLAUS STROWITZKI
K 5.1	Wed	16:30–17:15	K-H4	<b>Physikalische Information und Naturkonstanten</b> — ●RUDOLF GERMER
K 6.1	Thu	10:30–11:00	K-H4	<b>Front and rear surface ablation within gold films with variable film thickness induced by ultrafast laser radiation</b> — ●MARKUS OLBRICH, THEO PFLUG, ALEXANDER HORN

#### Invited talks of the joint PhD symposium Solid-state Quantum Emitters Coupled to Optical Microcavities (SYPD)

See SYPD for the full program of the symposium.

SYPD 1.1	Mon	16:30–17:00	AKjDPG-H17	<b>Fiber-based microcavities for efficient spin-photon interfaces</b> — ●DAVID HUNGER
SYPD 1.2	Mon	17:00–17:30	AKjDPG-H17	<b>A fast and bright source of coherent single-photons using a quantum dot in an open microcavity</b> — ●RICHARD J. WARBURTON
SYPD 1.3	Mon	17:30–18:00	AKjDPG-H17	<b>New host materials for individually addressed rare-earth ions</b> — ●SEBASTIAN HORVATH, SALIM OURARI, LUKASZ DUSANOWSKI, CHRISTOPHER PHENICIE, ISAIAH GRAY, PAUL STEVENSON, NATHALIE DE LEON, JEFF THOMPSON
SYPD 1.4	Mon	18:00–18:30	AKjDPG-H17	<b>A multi-node quantum network of remote solid-state qubits</b> — ●RONALD HANSON

#### Invited talks of the joint symposium SAMOP Dissertation Prize 2022 (SYAD)

See SYAD for the full program of the symposium.

SYAD 1.1	Tue	14:00–14:30	Audimax	<b>New insights into the Fermi-Hubbard model in and out-of equilibrium</b> — ●ANNABELLE BOHRDT
SYAD 1.2	Tue	14:30–15:00	Audimax	<b>Searches for New Physics with Yb<sup>+</sup> Optical Clocks</b> — ●RICHARD LANGE
SYAD 1.3	Tue	15:00–15:30	Audimax	<b>Machine Learning Methodologies for Quantum Information</b> — ●HENDRIK POULSEN NAUTRUP
SYAD 1.4	Tue	15:30–16:00	Audimax	<b>Precision Mass Measurement of the Deuteron's Atomic Mass</b> — ●SASCHA RAU

**Sessions**

K 1.1–1.6	Tue	10:30–12:00	K-H4	<b>Laser Systems</b>
K 2.1–2.17	Tue	16:30–18:30	P	<b>Poster</b>
K 3.1–3.4	Wed	14:00–15:30	K-H4	<b>Pulsed Power - XUV and EUV Sources and their Applications</b>
K 4	Wed	15:30–16:00	K-MV	<b>Annual General Meeting</b>
K 5.1–5.3	Wed	16:30–17:45	K-H4	<b>New Methods and Laser Diagnostics</b>
K 6.1–6.6	Thu	10:30–12:15	K-H4	<b>Laser-Beam Matter Interaction - Laser Applications I</b>
K 7.1–7.7	Thu	14:00–15:45	K-H4	<b>Laser-Beam Matter Interaction - Laser Applications II</b>

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

Wednesday 15:30–16:00 K-MV

- Report
- Future Spring meetings