

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 HS XI ITW; Poster Tent)

Invited Talks

K 1.1	Mon	11:00–11:30	HS XI ITW	Hochleistungs-UKP-Laser für die Fertigung — ●ARNOLD GILLNER
K 3.1	Mon	17:00–17:30	HS XI ITW	Quantenphysik, klassische Physik und Realität — ●ALFRED EICH- HORN
K 5.1	Tue	11:00–11:30	HS XI ITW	Fundamental investigations on the ablation of thin metallic films upon irradiation with ultrafast laser radiation — ●ALEXANDER HORN, THEO PFLUG, ANDY ENGEL, MARKUS OLBRICH

Invited Talks of the joint Symposium SAMOP Dissertation Prize 2025 (SYAD)

See SYAD for the full program of the symposium.

SYAD 1.1	Mon	14:30–15:00	HS 1+2	A simple method to separate single- from multi-particle dynamics in time-resolved spectroscopy — ●JULIAN LÜTTIG
SYAD 1.2	Mon	15:00–15:30	HS 1+2	Time-resolving quantum dynamics in atoms and molecules with intense x-ray lasers and neural networks — ●ALEXANDER MAGUNIA
SYAD 1.3	Mon	15:30–16:00	HS 1+2	How rotation shapes the decay of diatomic carbon anions — ●VIVIANE C. SCHMIDT
SYAD 1.4	Mon	16:00–16:30	HS 1+2	Interstellar stardust from stellar explosions recorded in a deep-ocean ferromanganese crust within the last 10 million years — ●DOMINIK KOLL

Invited Talks of the joint Symposium Quantum Science and more in Ghana and Germany (SYGG)

See SYGG for the full program of the symposium.

SYGG 1.1	Tue	11:00–11:05	WP-HS	Welcome Adress — ●BIRGIT MÜNCH
SYGG 1.2	Tue	11:05–11:20	WP-HS	Quantum Education in Ghana — ●DORCAS ATTUABEA ADDO
SYGG 1.3	Tue	11:20–11:45	WP-HS	Mathematical and Computational Physics Research In Ghana: To Cultivate a Knowledge-Based and Sustainable Development Economy — ●HENRY MARTIN, HENRY ELORM QUARSHIE, MARK PAAL, FRANCIS KOFI AMPONG, ERIC KWABENA KYEH ABAVARE, MATTEO COLANGELI, ALESSANDRA CONTINENZA, JAIME MARIAN
SYGG 1.4	Tue	11:45–12:10	WP-HS	Forecasting the Economic Health of Ghana Using Quantum-Enhanced Long Short-Term Memory Model — ●PETER NIMBE, HENRY MARTIN, DORCAS ATTUABEA ADDO, NICODEMUS SONGOSE AWARAYI
SYGG 1.5	Tue	12:10–12:40	WP-HS	Quantum Technology with Spins — ●JOERG WRACHTRUP
SYGG 1.6	Tue	12:40–13:00	WP-HS	Renewable Energy Technologies for Rural Ghana: The Role of Appropriate Technology for Tailored solutions — ●MICHAEL KWEKU EDEM DONKOR

Prize and Invited Talks of the joint Awards Symposium (SYAS)

See SYAS for the full program of the symposium.

SYAS 1.1	Thu	14:30–15:10	HS 1+2	A journey in mathematical quantum physics — ●REINHARD F. WERNER
SYAS 1.2	Thu	15:10–15:50	HS 1+2	Precision Tests of the Standard Model at Low Energies Using Stored Exotic Ions in Penning Traps — ●KLAUS BLAUM
SYAS 1.3	Thu	15:50–16:30	HS 1+2	Controlling light by atoms and atoms by light: from dark-state polaritons to many-body spin physics — ●MICHAEL FLEISCHHAUER
SYAS 1.4	Thu	16:30–16:35	HS 1+2	Quantum history at your fingertips: Launch of the DPG’s Quantum History Wall — ●ARNE SCHIRRMACHER

Sessions

K 1.1–1.6	Mon	11:00–12:45	HS XI ITW	Laser Systems – Optical Methods (joint session K/Q)
K 2.1–2.6	Mon	11:00–12:30	HS V	Laser Technology and Applications (joint session Q/K)
K 3.1–3.5	Mon	17:00–18:30	HS XI ITW	Light and Radiation Sources I
K 4.1–4.8	Mon	17:00–19:00	HS V	Photonics (3D Print) (joint session Q/K)
K 5.1–5.4	Tue	11:00–12:15	HS XI ITW	Laser-Beam Matter Interaction – Light and Radiation Sources II
K 6.1–6.11	Tue	14:00–16:00	Tent	Poster

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

Monday 18:30–19:00 HS XI ITW

- Bericht
- Wahl
- Verschiedenes