Thin Films Division
Fachverband Dünne Schichten (DS)

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Overview of Invited Talks and Sessions

(Lecture halls H3 and H14; Poster P1)

Invited Talks

DS 4.1	Tue	9:30–10:00	H3	**Graphene-based epitaxial 2D heterosystems: making graphene great again** — •Christoph Tegenkamp
DS 7.1	Wed	9:30–10:00	H14	**Enhancing Organic Spin Valves Through Spinterface Engineering** — •Shuaishuai Ding, Wenping Hu
DS 9.1	Thu	9:30–10:00	H3	**Inverse Problems and Uncertainty Quantification for the analysis of thin films and nanostructured surfaces** — •Sebastian Heidenreich, Nando Hegemann, Victor Soltwisch, Markus Bär
DS 9.2	Thu	10:00–10:30	H3	**Metrological spectroscopic and imaging Mueller matrix ellipsometry for the analysis of thin films and nanostructured surfaces** — •Bernd Bodermann, Matthias Wurm, Manuela Schiek, Jana Grundmann, Tim Käseberg
DS 12.1	Thu	16:15–16:45	H3	**Probing the Electronic Structure of Halide Perovskites** — •Selina Olthof
DS 12.2	Thu	16:45–17:15	H3	**Quantum Science with Single Atoms and Molecules on Surfaces** — •Philip Willke
DS 12.3	Thu	17:30–18:00	H3	**Gallium Nitride Technology - the second pillar of microelectronics** — •Andreas Waag
DS 12.4	Thu	18:00–18:30	H3	**Ultrafast X-ray photoelectron spectroscopy and photoelectron diffraction** — •Philip Hofmann
DS 15.1	Fri	9:30–10:00	H3	**Structure formation and growth at the metal-organic interface** — •Peter Zeppenfeld

Invited Talks of the joint SKM Dissertationspreis 2025 (SYSD)

See SYSD for the full program of the symposium.

SYSD 1.1	Mon	9:30–10:00	H2	**Nanoscale Chemical Analysis of Ferroic Materials and Phenomena** — •Kasper Aas Hunnestad
SYSD 1.2	Mon	10:00–10:30	H2	**Advanced Excitation Schemes for Semiconductor Quantum Dots** — •Yusuf Karli
SYSD 1.3	Mon	10:30–11:00	H2	**Aspects and Probes of Strongly Correlated Electrons in Two-Dimensional Semiconductors** — •Clemens Kuhlenkamp
SYSD 1.4	Mon	11:00–11:30	H2	**Mean back relaxation and mechanical fingerprints: simplifying the study of active intracellular mechanics** — •Till Münker
SYSD 1.5	Mon	11:30–12:00	H2	**Coherent Dynamics of Atomic Spins on a Surface** — •Lukas Veldman

Invited Talks of the joint Symposium Pushing the Boundaries of Fair Data Practices for Condensed Matter Insights: From Workflows to Machine Learning (SYFD)

See SYFD for the full program of the symposium.

SYFD 1.1	Wed	9:30–10:00	H1	**Pushing the Boundaries of Fair Data Practices for Condensed Matter Insight** — •Astrid Schneidwind
SYFD 1.2	Wed	10:00–10:30	H1	**Establishing Workflows of Experimental Solar Cell Data into NOMAD** — Edgar Nandayapa, Paolo Graniero, Jose Marquez, Michael Götte, •Eva Unger
SYFD 1.3	Wed	10:30–11:00	H1	**Building up the EOSC Federation** — •Ute Gunsenheimer
SYFD 1.4	Wed	11:15–11:45	H1	**Data-Driven Materials Science for Energy-Sustainable Applications** — •Jacqueline Cole
SYFD 1.5	Wed	11:45–12:15	H1	**Machine Learning and FAIR Data in X-ray Surface Science** — •Stefan Kowarik

Invited Talks of the joint Symposium Spins in Molecular Systems: Strategies and Effects of Hyperpolarization (SYMS)

See SYMS for the full program of the symposium.

SYMS 1.1	Wed	15:00–15:30	H1	**Exploring the Non-Perturbative Magnetic Resonance Drive Regime with spin selection rules in a π-Conjugated Polymer** — •Christoph Boehme
SYMS 1.2	Wed	15:30–16:00	H1	**The puzzle of spin and charge transport in the chirality induced spin selectivity effect** — •Bart van Wees
SYMS 1.3	Wed	16:00–16:30	H1	**Nano- and Microscale NMR spectroscopy with spin qubits in diamond** — •Nabeel Aslam
SYMS 1.4	Wed	16:45–17:15	H1	**Spin effects in adsorbed organometallic complexes** — •Richard Berndt
SYMS 1.5	Wed	17:15–17:45	H1	**Quantum Computing with Molecules** — •Mario Ruben

Sessions

DS 1.1–1.10	Mon	9:30–12:30	H3	**Thin Film Properties**
DS 2.1–2.5	Mon	9:30–10:45	H14	**Layer Deposition**
DS 3.1–3.10	Mon	15:00–17:45	H3	**2D Materials and their Heterostructures I (joint session DS/HL)**
DS 4.1–4.11	Tue	9:30–13:00	H3	**2D Materials and their Heterostructures II (joint session DS/HL)**
DS 5.1–5.5	Tue	14:00–15:15	H3	**Thin Oxides and Oxide Layers**
DS 6.1–6.8	Wed	9:30–11:45	H3	**Thin Film Application**
DS 7.1–7.7	Wed	9:30–11:45	H14	**Spins in Molecular Systems: Strategies and Effects of Hyperpolarization**
DS 8.1–8.4	Wed	12:00–13:00	H3	**Optical Analysis of Thin Films I**
DS 9.1–9.9	Thu	9:30–12:45	H3	**Optical Analysis of Thin Films II**
DS 10.1–10.4	Thu	11:30–12:30	H14	**Transport Properties**
DS 11.1–11.4	Thu	15:00–16:00	H3	**Thermoelectric and Phase Change Materials**
DS 12.1–12.4	Thu	16:15–18:30	H3	**Gaede-Jubiläumssitzung**
DS 13.1–13.64	Thu	18:00–20:00	P1	**Poster**
DS 14	Thu	18:30–20:00	H3	**Members' Assembly**
DS 15.1–15.7	Fri	9:30–11:45	H3	**Organic Thin Films, Organic-Inorganic Interfaces**

Members' Assembly of the Thin Films Division

Thursday 18:30–20:00 H3

- Report of activities in 2024
- Election of deputy speaker DS