Thin Films Division
Fachverband Dünne Schichten (DS)

Stefan Krischok
Technische Universität Ilmenau
Weimarer Straße 32
98693 Ilmenau
stefan.krischok@tu-ilmenau.de

Overview of Invited Talks and Sessions

(Lecture halls REC/B214 and REC/C213; Poster P2)

Invited Talks

DS 6.1	Tue	9:30–10:00	REC/C213	**Soft X-ray Microscopy of Ferroic Thin Films** — •Tim A. Butcher, Simone Finizio, Michael Schneider, Jörg Raabe, Stefan Eisebitt, Bastian Pfau
DS 6.6	Tue	11:15–11:45	REC/C213	**Charge transfer at interfaces of free-standing oxide membranes and heterostructures** — Kapil Nayak, Lee-Kang Huang, Anton Kaus, Marcus Wohlgemuth, Alexandros Sarantopoulos, Christoph Baeumer, Regina Dittmann, •Felix Gunkel
DS 13.1	Wed	15:00–15:30	REC/B214	**Tailored thermal treatments for multi-layer, multi-material polymer devices** — •Katherina Haase, Shaoling Bai, Mike Hambsch, Vojtech Millek, Stefan C. B. Mannsfeld
DS 18.8	Thu	17:00–17:30	REC/C213	**Insights from Quantum Dynamics Simulations: From Molecules to Organic-Material Interfaces** — •Frank Ortmann

Invited Talks of the joint Symposium SKM Dissertation Prize 2026 (SYSD)

See SYSD for the full program of the symposium.

SYSD 1.1	Mon	9:30–10:00	HSZ/0002	**Stochastic-Calculus Approach to Non-equilibrium Statistical Physics** — •Cai Dieball
SYSD 1.2	Mon	10:00–10:30	HSZ/0002	**Nonuniform magnetic spin textures for sensing, storage and computing applications** — •Sabri Koraltan
SYSD 1.3	Mon	10:30–11:00	HSZ/0002	**Anomalous Quantum Oscillations beyond Onsager's Fermi Surface Paradigm** — •Valentin Leeb
SYSD 1.4	Mon	11:00–11:30	HSZ/0002	**Coherent Control Schemes for Semiconductor Quantum Systems** — •Eva Schöll
SYSD 1.5	Mon	11:30–12:00	HSZ/0002	**On stochastic thermodynamics under incomplete information: Thermodynamic inference from Markovian events** — •Jann van der Meer

Invited Talks of the joint Symposium The Sustainability Challenge: A Decade of Transformation (SYSC)

See SYSC for the full program of the symposium.

SYSC 1.1	Mon	15:00–15:30	HSZ/AUDI	**Open-Endedness and Community-Based Approaches to Sustainability Challenges** — •Hiroki Sayama
SYSC 1.2	Mon	15:30–16:00	HSZ/AUDI	**Education as a Social Tipping Element: Evidence from Climate and Physics Education Research** — •Thomas Schubatzky
SYSC 1.3	Mon	16:00–16:30	HSZ/AUDI	**Mechanistic and Material Perspectives on Enzymatic Hydrolysis of Semicrystalline Polyesters** — •Birte Höcker
SYSC 1.4	Mon	16:45–17:15	HSZ/AUDI	**Decarbonization Options for Industry** — •Uwe Riedel
SYSC 1.5	Mon	17:15–17:45	HSZ/AUDI	**Impacts of Cosmic Dust and Space Debris in the Terrestrial Atmosphere** — •John Plane

Invited Talks of the joint Symposium Tipping Points in Social and Climate Systems (SYTP)

See SYTP for the full program of the symposium.

SYTP 1.1	Thu	15:00–15:30	HSZ/AUDI	**Social Tipping in Heterogeneous and Polarized Populations** — •Sara Constantino, Sonke Ehret, Elke Weber, Sonja Vogt, Charles Efferson
SYTP 1.2	Thu	15:30–16:00	HSZ/AUDI	**Tipping points and regime shifts in coupled social-climate systems** — •Chris Bauch
SYTP 1.3	Thu	16:00–16:30	HSZ/AUDI	**How to tune Earth system models toward tipping?** — •Sebastian Bathiany, Niklas Boers
SYTP 1.4	Thu	16:45–17:15	HSZ/AUDI	**Algorithmic amplification and contextual sensitivity in political information exposure** — Iris Damião, Ana Vranic, Paulo Almeida, Lília Perfeito, •Joana Gonçalves de Sá
SYTP 1.5	Thu	17:15–17:45	HSZ/AUDI	**The complex interplay between democracy and platform power** — •Philipp Lorenz-Spreen

Invited Talks of the joint Symposium Interacting Degrees of Freedom in Ultrathin Quantum Films (SYQF)

See SYQF for the full program of the symposium.

SYQF 1.1	Fri	9:30–10:00	HSZ/AUDI	**Exciton dressing by extreme nonlinear magnons in a layered semiconductor** — •Geoffrey M. Diederich
SYQF 1.2	Fri	10:00–10:30	HSZ/AUDI	**A tale of demons and decay in two-dimensional (alter)magnets** — •Alexander Mook
SYQF 1.3	Fri	10:30–11:00	HSZ/AUDI	**Magnetism, light and matter - Role of excitons in two-dimensional magnets** — •Florian Dirnberger
SYQF 1.4	Fri	11:15–11:45	HSZ/AUDI	**Advantages and challanges of resonance Raman scattering with infrared excitation energy** — •Leonetta Baldassarre
SYQF 1.5	Fri	11:45–12:15	HSZ/AUDI	**Shining light on 2D antiferromagnets** — •Dmytro Afanasiev

Sessions

DS 1.1–1.3	Mon	9:30–10:15	REC/C213	**Organic Thin Films**
DS 2.1–2.7	Mon	15:00–18:15	HSZ/0003	**Focus Session: Tunable Correlations in van der Waals Quantum Materials I (joint session TT/DS/HL)**
DS 3.1–3.4	Mon	15:00–16:00	REC/C213	**Thin Film Properties I: Methods**
DS 4.1–4.6	Mon	16:30–18:15	REC/C213	**Thin Film Properties II**
DS 5.1–5.4	Tue	9:30–10:45	HSZ/0105	**Focus Session: Tunable Correlations in van der Waals Quantum Materials II (joint session TT/DS/HL)**
DS 6.1–6.6	Tue	9:30–11:45	REC/C213	**Thin Oxides and Oxide Layers**
DS 7.1–7.5	Tue	10:00–11:30	REC/B214	**Thermoelectric and Phase Change Materials**
DS 8.1–8.5	Tue	14:00–15:30	REC/B214	**Transport Properties**
DS 9.1–9.5	Tue	14:00–15:15	REC/C213	**Thin Film Properties III: Oxides**
DS 10.1–10.7	Wed	9:30–12:45	HSZ/0003	**Focus Session: Nickelate Superconductivity: Insights into Unconventional Pairing and Correlation Effects I (joint session TT/DS/MA)**
DS 11.1–11.8	Wed	9:30–11:45	REC/B214	**Layer Deposition**
DS 12.1–12.9	Wed	9:30–12:00	REC/C213	**2D Materials I**
DS 13.1–13.4	Wed	15:00–16:15	REC/B214	**Layer Properties**
DS 14.1–14.9	Wed	15:00–17:30	REC/C213	**2D Materials II (joint session DS/HL)**
DS 15.1–15.11	Thu	9:30–12:30	HSZ/0003	**Focus Session: Nickelate Superconductivity: Insights into Unconventional Pairing and Correlation Effects II (joint session TT/DS/MA)**
DS 16.1–16.10	Thu	9:30–12:30	REC/C213	**Thin Film Application**
DS 17.1–17.9	Thu	15:00–18:45	HSZ/0003	**Focus Session: High-Temperature Superconductivity in Hydride Materials at High Pressures (joint session TT/DS)**
DS 18.1–18.8	Thu	15:00–17:30	REC/C213	**Spins in Molecular Systems**
DS 19	Thu	17:45–18:30	REC/C213	**Members' Assembly**
DS 20.1–20.52	Thu	18:30–20:30	P2	**Poster**
DS 21.1–21.10	Fri	9:30–12:30	REC/C213	**Optical Analysis of Thin Films**

Members' Assembly of the Thin Films Division

Thursday 17:45–18:30 REC/C213