

Crystalline Solids and their Microstructure Division

Fachverband Kristalline Festkörper und deren Mikrostruktur (KFM)

Anna Grünebohm
 Experimental Physics 5
 Ruhr-Universität Bochum
 Universitätsstraße 150
 44801 Bochum
 anna.gruenebohm@rub.de

Overview of Invited Talks and Sessions

(Lecture halls POT 51 and POT 106; Poster P3)

Invited Talks

KFM 1.1	Mon	9:00– 9:30	POT 51	Investigations of multiferroic behavior within domains and domain walls of a multiferroic Aurivillius phase system — •LYNETTE KEENEY
KFM 1.5	Mon	10:45–11:15	POT 51	Domains or no Domains in Wurtzite-Type Ferroelectrics — •SIMON FICHTNER, NIKLAS WOLFF, TOM-NIKLAS KREUTZER, GEORG SCHÖN-WEGER, ADRIAN PETRARU, HERMANN KOHLSTEDT, LORENZ KIENLE, FABIAN LOFINK
KFM 2.1	Mon	14:30–15:00	POT 51	Formation of conducting channels along of dislocations in SrTiO₃ — •CHRISTIAN RODENBÜCHER, KRISTOF SZOT, GUSTAV BIHLMAYER, CARSTEN KORTE
KFM 2.4	Mon	15:55–16:25	POT 51	Plastic properties of MgO : Insights from numerical modeling — •PHILIPPE CARREZ
KFM 4.1	Tue	9:00– 9:30	POT 51	Towards spatially resolved measurements of thermal transport and electrocaloric effects at the nanoscale in ferroelectric materials — REBECCA KELLY, OLIVIA BAXTER, FRAN KURNIA, AMIT KUMAR, MARTY GREGG, •RAYMOND MCQUAID
KFM 7.1	Wed	9:00– 9:30	POT 51	Novel device integration – combining bottom-up and topdown approaches — •ARTUR ERBE
KFM 7.6	Wed	11:05–11:35	POT 51	4D meso-scale electronics for next generation medical tools and electronic skins — •DANIIL KARNAUSCHENKO

Invited Talks of the joint Symposium SKM Dissertation Prize 2023 (SYSD)

See SYSD for the full program of the symposium.

SYSD 1.1	Mon	9:30–10:00	HSZ 04	Diffusion of antibodies in solution: from individual proteins to phase separation domains — •ANITA GIRELLI
SYSD 1.2	Mon	10:00–10:30	HSZ 04	Intermediate Filament Mechanics Across Scales — •ANNA V. SCHEPERS
SYSD 1.3	Mon	10:30–11:00	HSZ 04	Ultrafast Probing and Coherent Vibrational Control of a Surface Structural Phase Transition — •JAN GERRIT HORSTMANN
SYSD 1.4	Mon	11:00–11:30	HSZ 04	Electro-active metasurfaces employing metal-to-insulator phase transitions — •JULIAN KARST
SYSD 1.5	Mon	11:30–12:00	HSZ 04	The role of unconventional symmetries in the dynamics of many-body systems — •PABLO SALA

Sessions

KFM 1.1–1.8	Mon	9:00–12:15	POT 51	Focus: Domains and Domainwalls in (Multi)Ferroics I
KFM 2.1–2.6	Mon	14:30–17:05	POT 51	
KFM 3.1–3.3	Mon	14:30–15:30	POT 106	Focus: Dislocations in Ceramics: Mechanics, Structures and Functionality (joint session KFM/MA)
KFM 4.1–4.10	Tue	9:00–13:10	POT 51	Instrumentation and Methods for Micro- and Nanoanalysis (joint session KFM/ CPP)
KFM 5.1–5.4	Tue	10:00–11:00	SCH A 315	Focus: Domains and Domainwalls in (Multi)Ferroic II
KFM 6.1–6.46	Tue	17:00–19:00	P3	Thin Film Properties (joint session DS/KFM)
KFM 7.1–7.9	Wed	9:00–12:35	POT 51	Poster
KFM 8.1–8.9	Wed	14:00–17:15	POT 51	Focus: High-resolution Lithography and 3D Patterning
KFM 9.1–9.12	Wed	9:00–13:15	POT 106	Diamond and related dielectric materials
KFM 10.1–10.10	Thu	9:00–12:35	POT 51	Microscopy and Tomography with X-ray Photons, Electrons, Ions and Positron
KFM 11.1–11.11	Thu	14:00–17:55	POT 51	Battery Materials (joint session KFM/ CPP)
KFM 12	Thu	18:00–19:00	POT 51	Crystal Structure Defects / Real Structure / Microstructure
KFM 13.1–13.7	Thu	10:00–12:35	POT 106	Members' Assembly
KFM 14.1–14.7	Thu	14:00–16:35	POT 106	Polar Oxide Crystals and Solid Solutions I
				Polar Oxide Crystals and Solid Solutions II

Members' Assembly of the Crystalline Solids and their Microstructure Division

Thu 18:00–19:00 POT 51