

Crystallography Division Fachgruppe Kristallographie (KR)

Leonore Wiehl
Institut für Geowissenschaften / Abt. Kristallographie
Altenhöferallee 1
60438 Frankfurt
L.Wiehl@kristall.uni-frankfurt.de

Overview of Invited Talks and Sessions

(lecture rooms E 124, EMH 225 and H 0105; Poster A and E)

Invited Talks

KR 6.1	Tue	9:30–10:00	EMH 225	The discovery of X-ray interferences, the role of characteristic radiation therein and potential applications of the LAUE method in modern engineering. — •HANS-JÜRGEN ULLRICH, SIEGFRIED DÄBRITZ, ENRICO LANGER, JÜRGEN BAUCH, ANDREAS DANILEWSKY, PETER PAULFLER
KR 10.1	Thu	9:30–10:00	E 124	On polytypism in III-V nanowires — •FRIEDHELM BECHSTEDT, ABDERREZAK BELABBES, CHRISTIAN PANSE, JÜRGEN FURTHMÜLLER, DOMINIK KRIEGNER, JULIAN STANGL

Invited talks of the joint symposium SYXD

See SYXD for the full program of the symposium.

SYXD 1.1	Mon	15:00–15:30	H 0105	Disputed discovery: The beginnings of X-ray diffraction in crystals — •MICHAEL ECKERT
SYXD 1.2	Mon	15:30–16:00	H 0105	Why are quasicrystals quasiperiodic? — •WALTER STEURER
SYXD 1.3	Mon	16:00–16:30	H 0105	Coherent Diffraction Imaging with Free-Electron Lasers — •MASSIMO ALTARELLI
SYXD 1.4	Mon	16:30–17:00	H 0105	X-ray free-electron lasers - emerging opportunities for structural biology — •ILME SCHLICHTING
SYXD 1.5	Mon	17:00–17:30	H 0105	Structure analysis by x-ray diffraction and x-ray imaging: beyond crystals, beyond averages, and beyond modeling — •TIM SALDITT

Invited talks of the joint symposium SYRS

See SYRS for the full program of the symposium.

SYRS 1.1	Thu	15:00–15:30	H 0105	Redox-based resistive memories - recent progress — •RAINER WASER
SYRS 1.2	Thu	15:30–16:00	H 0105	Electric Formation of Metal/SrTiO₃ Junctions and its Correlation to Multi-Dimensional Defects — •DIRK C. MEYER, HARTMUT STÖCKER, JULIANE HANZIG, FLORIAN HANZIG, MATTHIAS ZSCHORNAK, BARBARA ABENDROTH, SIBYLLE GEMMING
SYRS 1.3	Thu	16:00–16:30	H 0105	The Connecting between the Properties of Memristive Material Systems and Application Requirements — •THOMAS MIKOLAJICK, STEFAN SLESAZECK, HANNES MEHNE
SYRS 1.4	Thu	16:30–17:00	H 0105	Mechanism of resistive switching in bipolar transition metal oxides — •MARCELO ROZENBERG
SYRS 1.5	Thu	17:00–17:30	H 0105	Resistive switching memories: Mechanisms, modeling and scaling — •DANIELE IELMINI

Sessions

KR 1.1–1.5	Mon	15:00–17:30	H 0105	SYXD: 100 years of X-ray diffraction: from the Laue experiment to new frontiers (Joint Symposium KR, BP, CPP, DF, MA, MM, GP – Organization: Wiehl, Grübel, Rädler)
KR 2.1–2.11	Mon	9:30–12:45	EB 301	Joint Session "Multiferroics I - Junctions and Thin Films / Magnetoelectric Coupling" (MA jointly with DF, DS, KR, TT), Organization: Manfred Fiebig (ETH Zürich)
KR 3.1–3.12	Mon	15:00–18:30	EB 301	Joint Session "Multiferroics II - Hexagonal Manganites / Incommensurate Multiferroics" (MA jointly with DF, DS, KR, TT)
KR 4.1–4.12	Tue	9:30–12:45	EB 301	Joint Session "Multiferroics III - Strain / New Routes towards Multiferroicity" (MA jointly with DF, DS, KR, TT)
KR 5.1–5.90	Tue	12:15–15:15	Poster A	Poster I – including Multiferroics (MA with DF, DS, KR, TT)
KR 6.1–6.11	Tue	9:30–12:45	EMH 225	100 years since the Laue experiment: Topical aspects of diffraction and scattering (Joint Session KR, BP, DF, GP, MA, MI, MM; related to SYXD)
KR 7.1–7.6	Wed	9:30–12:30	BH 243	Joint Session "Soft X-ray Resonant Scattering for Complex Structural and Magnetic Investigations" (MA jointly with KR), Organization: Eberhard Goering (MPI-IS Stuttgart)
KR 8.1–8.4	Wed	15:00–17:30	Poster E	Poster – 100 years since the Laue experiment: Topical aspects of diffraction and scattering (Joint Session KR, BP, DF, GP, MA, MI, MM; related SYXD)
KR 9.1–9.2	Wed	15:00–17:30	Poster E	Poster – Crystallography in Nanoscience
KR 10.1–10.7	Thu	9:30–12:00	E 124	Crystallography in Nanoscience
KR 11.1–11.5	Thu	15:00–17:30	H 0105	SYRS: Symposium Resistive Switching (joint symposium DS, DF, KR, HL – Organizers: Gemming, Dittmann)
KR 12	Thu	17:45–18:30	E 124	Mitgliederversammlung FG Kristallographie

Annual General Meeting of the Crystallography Division

Donnerstag 17:45–18:30 E 124

- Bericht
- Tagungsplanung 2013
- Verschiedenes