

## Poster Session, 01 June, 3:30 pm (CEST)

Andy Disheng An	High-resolution optical imaging of multiferroic domain topology in $\text{ErMnO}_3$
Keito Arakawa	Observation of Domains with Broken Space-Inversion, Time-reversal, and Rotational Symmetries in Antiferromagnetic Metals via Linear Optical Response
Wakana Asahara	Electric field-induced nonreciprocal directional dichroism of $\text{DyFeO}_3$
Rajdwip Bhar	Towards table-top ultrafast soft X-ray absorption spectroscopy
Sneha Mary Biju	Second Harmonic Interferometric Imaging of Ferroelectric Domains in $3\text{R-MoS}_2$
Tim Butcher	Soft X-ray Microscopy of Ferrioc Nanomaterials
Andrin Caviezel	THz-induced ultrafast dynamics in ferroics probed by nonlinear optics
Gabriele De Luca	Can we observe magnon transport processes using nonlinear optics?
Xiaoxi Deng	Optical Control of Ferroaxial Order in $\text{RbFe}(\text{MoO}_4)_2$
Simone Finizio	Bright days ahead - Soft X-ray scanning microscopy of ferrioc materials at 4th generation lightsources
Christoph Flathmann	Advancing In Situ TEM Studies of Ferrioc Materials with MEMS-Based Straining and Heating Devices

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Fabian Glatz	Nonlinear interference in a CrSBr BIC metasurface
Jiali He	Bias-controlled electronic broadening of an isolated ferroelectric domain wall
Xinxin Hu	Investigation of Polar Patterns in Twisted Oxide Membranes Using High-Resolution Imaging Methods
Lilia Huynh	Investigating metallicity in layered Carpy-Galy ferroelectrics through topotactic transformation.
Maxim Ivanov	Chiral Molecular Complexes with Room-Temperature Magnetic-Field Driven Reversal of Electrical Polarization
Meryem Lachhab	Quantitative 4D-STEM Analysis of Perovskite Oxides
Jingwen Li	Discovery of an intrinsic non-Hermitian phase transition in a bulk condensed-matter system
Klara Luenser	Time dependence of the ferroelastic transformation in Ni-Mn-Ga
Yingzhuo Lun	Ultralow Tip-Force Driven Sizable-Area Ferroelectric Domain Manipulation
Jan Lüning	50 kHz HHG-based Soft X-ray Source Spanning the Water Window
Annika Mechnich	Domain Contrast in Electric Field Imaging with a Diamond Tip

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Fabian Meier	Nanoscale Imaging of Ferroelectric-Ferroelastic Domains in Triclinic $K_2MgWO_2(PO_4)_2$
Mariana Palos	Scan, Shift, Lock: Controlling Ferroic Domains via STEM Probe Trajectories
Amirhosein Paryab	The correlation between grain size and dielectric performance of two medium-entropy compounds: $(Ba_{0.34}Sr_{0.33}Ca_{0.33})TiO_3$ and $(Ba_{0.25}Sr_{0.25}Ca_{0.25}Pb_{0.25})TiO_3$
Manuel Gustavo Pinedo Cuba	Exploring polar metallicity in perovskites through strain gradients in non-planar structures
Debankit Priyadarshi	Temperature-independent linearity in optical conductivity of Weyl-Kondo semimetal $CeCoGe_3$
Anitha Rajaram	Towards Perpendicular Magnetic Anisotropy in AlScN-Based Ferroelectric Heterostructures.
Mohammadali Razeghi	Heat as a Probe: Mapping Magnetic Domains in a Weyl Semimetal via the Anomalous Nernst Effect
Qi Ren	Strong Piezoelectric Response and Tunable Rectification in Mono- and Multilayer vdW Ferroelectrics
Vladimir Roddatis	STEM and EELS of $(LaMnO_3)_m/(SrMnO_3)_n$ superlattices
Janina Roknic	Spontaneous Polarization in Pure and Ti-Doped $(K_{0.5}Na_{0.5})NbO_3$ Resolved by Atomic-Scale 4D-STEM and First Principles Calculations

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Aiden Ross	Phase-Field Modeling of Optical Second Harmonic Generation in Ferroelectrics
Noah Schnitzer	Liquid helium temperature atomic resolution STEM imaging and ptychography of ferroelectrics
Jan Schultheiss	Ferroelectricity and Magnetic Frustration in Hexagonal Oxides for Cryogenic Cooling
Edith Simmen	Understanding the interplay between ferroelectricity, polar discontinuity and screening in perovskite superlattices
Janosch Tasto	Analyzing the tetragonal-to-cubic phase-transition in ferroelectric BaTiO <sub>3</sub> using EXAFS spectroscopy as a local probe
Ivan Ushakov	Hybrid antiferroelectric-ferroelectric domains and domain walls in noncollinear antipolar oxides
Ewout van der Veer	Polar WO <sub>3</sub> and polarons by epitaxial shear strain
Harsh Vardhan	Thickness-Driven Phase and Magnetic Engineering in FeMn/CoFeB/Cr Multilayers for Next-Generation Spintronic Devices
Samuel Vergara	2D ferroelectrics for magnetic tunnel junctions
Arnau Villalobos Martin	Domain size control of the latent heat of the ferroelectric phase transition in Barium Titanate (BaTiO <sub>3</sub> ) free-standing membranes
Feifan Wang	Domain-wall-induced engineering of thermoelectricity in a polar metal

## Poster Session, 01 June, 3:30 pm (CEST)

Freya Watson	Nanoscale strain engineering of transition metal oxides using ferroelastic domain patterns
Mads Weber	Tuning Fe <sup>3+</sup> Magnon Softening via Competing Magnetic Rare-Earth Anisotropies in Dy <sub>x</sub> Tb <sub>1-x</sub> FeO <sub>3</sub> : Revealing Hidden Spin Reorientation Instabilities
Tomohiro Yamashita	Second-harmonic generation study of polar e-twin walls in calcite
Bixin Yan	Local Control on Ferroic Orders in Multiferroic Thin Films
Manuel Zahn	Microscale coexistence of magnetic phases compatible with the Kagome spin-ice rule in HoAgGe