STREAMLINE

ESRF-EBS Beamline Portfolio Strategy Meeting 4: Science days Review of in-house research and discussion of future directions

ESRF The European Synchrotron

List of Posters

P1*	Pierre-Olivier AUTRAN	Micro-CT imaging by projection stitching of an 18650 Li-ion cell
P2*	Egor BERSENEV	Thin films of polymer-surfactant complexes: nanostructural evolution in response to humidity
P3	Nicholas BROOKES	Magnetic Characterization of 2D van der Waals Halides
P4*	Daniel CHANEY	New insights into the lattice-valance contradiction in α-U_3O_8
P5*	Cedric CORLEY-WICIAK	Quantum devices under the X-ray microscope
P6	Marine COTTE	The Heritage "BAG" at the European Synchrotron Radiation Facility: a new collaborative access modality for the structural analysis of historical materials
P7	Marine COTTE	The ID21 beamline: nano-spectroscopy with tender X-rays
P8*	Jaime José DOLADO FERNANDEZ	Decoding the origin of UV emission in Zn2GeO4/SnO2 nanowire heterostructures
P9*	Marli DOS REIS CANTARINO	RIXS investigation of Cr-substituted BaFe2As2
P10	Haixing FANG	Diffraction imaging on self healing creep-resistant alloys
P11*	Olga FILIMONOVA	X-ray absorption spectroscopy study of the state of Pd in pyrite
P12	Michael GRIMES	Capturing catalyst strain dynamics during in situ CO oxidation
P13*	Madeleine HAN	Elemental distribution in seashells through nano-XRF and tomography
P14*	Clement HOLÉ	Chasing the elusive hare's fur: 2D XANES mapping of black-to-brown patterned glazes from Song Dynasty ceramics (960-1279)
P15*	Olvido IRRAZABAL MOREDA	X-ray Operando Studies of Catalytic - Dehydrogenation in LOHC technology
P16*	Artem KORSHUNOV	Softening of a flat phonon mode in the kagome ScV6Sn6
P17*	Mikhail KOZHAEV	A new setup for laser shock compression at the ID09 XRD beamline
P18*	Gouranga MANNA	Orientational ordering and assembly of silica-nickel Janus particles in a magnetic field

***Eligible for Best Poster Award**

P19*	Matteo MASTO	Deep Learning for Bragg Coherent Diffraction Imaging: Phase Retrieval and Image Inpainting
P20	Lauren MATTHEWS	Recent applications of small-angle X-ray scattering techniques for probing soft matter systems on the TRUSAXS beamline at the ESRF
P21	Lauren MATTHEWS	Structural elucidation of hydrogen-bonding rich nonaqueous crystalline gels under external stimuli using rheo-SAXS
P22	Lindsay MCGREGOR	Disassembling a complex I assembly factor: investigating the root causes of neurodegeneration
P23	Alessandro MIRONE	Eikonal Phase Retrieval: Unleashing the fourth generations sources potential for enhanced propagation based tomography on biological samples
P24	Kyle OLSON	Adverse X-ray Beam Effects in Electrochemical Nano-Focused Synchrotron Studies
P25*	Valentina REIN BELOVA	In Situ Characterisation of 2D Materials Growth on Liquid Metal Catalysts by Chemical Vapour Deposition
P26*	Raquel RODRIGUEZ LAMAS	Dark field X ray microscopy: A new way of imaging embedded defects with high resolution
P27	Michal RONOVSKY	Almost there: A life of octahedral hydrogen fuel cell catalysts
P28*	Eugenia SEBASTIANI	SrFe0.9Mo0.1O3-δ epitaxial thin films grown by PLD for CO2 conversion
P29*	Rodion SHISHKOV	Potential of artificial intelligence for the automation of coherent X-ray imaging procedures
P30*	Olga STAMATI	Multi-scale morphological and mechanical investigation of biofabricated tendon-to-bone interface scaffolds
P31	Peter VAN DER LINDEN	Development of 3D printed microfluidics
P32*	Nikita VOSTROV	Elastic reversible domain misorientation in LiNi0.5Mn1.5O4 single crystals during cycling
P33*	Mohammad WAZNE	Microplastics in Freshwater Sediments Impact the Role of a Main Bioturbator in Ecosystem Functioning
P34	Fabrice WILHELM	5f electron occupancy and hybridization in the UTe2 superconductor from XANES and XMCD studies
P35	Jonathan WRIGHT	Chemical gradients in a K-type thermocouple via scanning 3DXRD
P36	Can YILDIRIM	How Deep Does It Go: Revealing 3D Strains in Additively Manufactured Alloys
P37*	Federico ZECCHI	Machine Learning for the Real Time Analysis of Spectroscopic Data
P38	Federico ZONTONE	The ID10CS station at the ESRF

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