



# NOBUGS 2024

## Tuesday, September 24, 2024

### Posters: Evening Poster Session with Wine and Cheese (6:00 PM - 8:00 PM)

-Conveners: Jens Meyer

[id] title	presenter	board
[11] Blissterm: a web shell for BLISS	FISHER, Stuart	
[94] NexusCreator & ICAT - Helmholtz-Zentrum Berlin applying FAIR data management.	Dr PEREZ PONCE, Hector	
[60] ROCK-IT Beamline and Experiment Control	SMITH, William	
[153] The construction of a virtual beamline modeled after a HEPS beamline	SHEN, Zhibang	
[87] The Daisy Workflow Management System for High Energy Photon Source	SUN, Hao-Kai	
[101] One year ahead of full deployment at HEPS: the status of Mamba project	ZHANG, Yi	
[105] Diagnostics of Human Breast Cancer with Tabletop Compact X-ray Setup	DENISOV, S.	
[49] ICAT Metadata Ingest using python-icat	KRAHL, Rolf	
[148] Mantid Imaging – A Graphical Interface for Neutron Imaging and Tomography	ALLEN, Jack	
[69] Not-invented-here: Building a DAQ Platform with off-the-shelf components	WARE, Joseph	
[103] Novel and flexible data analysis framework combining real-time interaction and remote computing resources, tomography reconstruction software example (STP3)	HAFNER, Aljoša	
[82] Ontology management for the SciCat catalog using LinkML	MCREYNOLDS, Dylan PITHAN, Linus	
[146] Accelerating Neutron Tomography Ring Artifact Removal Using BM3DORN	Dr PETERSON, Pete	
[107] Improving the Experiment Control System Reliability at MAX IV Laboratory	HARDION, Vincent	
[62] Automatic Export of Data from Catalysis Experiments to NeXus in ROCK-IT	Ms PATEL, Sonal	
[142] A Python Package for Bragg Coherent X-ray Diffraction Imaging Processing, Analysis and Visualisation	ATLAN, Clement	
[112] Machine Learning for the Automated Analysis of X-Ray Spectroscopic Measurements: Are We There Yet?	RETEGAN, Marius	
[84] DonkiWeb: a KISS web SCADA	BORGHES, Roberto	
[65] Enhancing User Experience on Screen: ROCK-IT GUI Design for Automated and Remote-Accessed Operando Catalysis Experiments	Dr ISIK DURSUN, Zeynep Isil	
[76] Comprehensive Python IOC development with queue_iocs	LI, Pengcheng	
[125] PyStxm: STXM data acquisition using BlueSky at the Canadian Light Source	BERG, Russ	
[85] State of the azimuthal integration at the ESRF and pathway to pyFAI2	Dr KIEFFER, Jerome	
[71] Karabo and Tango interoperability	GIOVANETTI, Gabriele	

<b>[30] Plotting Refactoring for SasView Neutron Scattering Software</b>	KARLICZEK, Julius	
<b>[128] DrILL builder interface for ILL users in Mantid</b>	Mr PELLEGRINI, Eric PERENON, Remi	
<b>[131] Managing Experiment Configurations in IBEX</b>	COLE, Liliith	
<b>[42] Shaping a modern approach to open data from Diamond Light Source</b>	TAN, Terence	
<b>[56] Hybrid cloud-based instrument control system for remote experiments at MLE, J-PARC</b>	MORIYAMA, Kentaro	
<b>[13] An unified attitude tuning architecture for HEPS beamlines</b>	LI, Pengcheng	
<b>[28] Motion planning for triple-axis spectrometers</b>	WEBER, Tobias	
<b>[50] A scientific data analysis software framework for exabyte scale data challenges from HEPS</b>	HU, Yu	
<b>[29] A new version of the TAS software Takin</b>	WEBER, Tobias	
<b>[41] METABOLATOR: Establishing a Citable Web Application for Automated Metabolic Load Analysis</b>	PAPE, David	
<b>[48] Back in the future with the Recovery Portal: a tool to restore control system components at European XFEL</b>	KARPICS, Ivars	
<b>[77] Motor device interfaces and a multi-axis motor framework at European XFEL</b>	Dr HICKIN, David	
<b>[133] Remote Collaboration via Distributed HDF File Access</b>	WOZNIAK, Justin	
<b>[79] GeCo: The Elettra 2.0 Beamline Interlock System</b>	CHENDA, Valentina	
<b>[80] FaXToR data processing</b>	JOVER-MANAS, Gabriel	
<b>[91] The Practice of CI/CD in Advancing the Ecosystem Development of photon Source Software</b>	LIU, Jianli	
<b>[157] SNAPRed: A tool for data reduction and instrument calibration for the SNAP high-pressure diffractometer.</b>	WALSH, Michael	
<b>[10] Daiquiri: a web based user interface framework for beamline control and data acquisition</b>	FISHER, Stuart	
<b>[9] Unsupervised clustering for extracting fine structural information in ARPES</b>	BIAN, Lingzhu	
<b>[37] Enhancing Operational Efficiency at SPring-8: Automated Operation Mode Scheduling and Proposal task management for Measurement Proxy</b>	MATSUMOTO, Takahiro	
<b>[53] Pushing the speed limit of hardware triggered scans using the PandABox</b>	SILVESTER, Oliver	
<b>[143] Online Multimodal Data Analysis At The Hard X-ray Micro/Nano Probe P06.</b>	GARREVOET, Jan	
<b>[141] SHIVER - A graphical user interface for visualization of single crystal inelastic neutron experiments</b>	SAVICI, Andrei	
<b>[114] Deployment strategy of Beamline and Experiment Control components across development and production environments</b>	USOV, Ivan	
<b>[97] Control of Sample Environment via Secop With Bluesky, While Performing Measurement Procedures on the Beamline</b>	WEGMANN, Peter	
<b>[78] A Tango control system for the MicroTomo2@STAR imaging station</b>	BELLETTI, Michele	
<b>[127] Documentation is communication. Tips to make documentation more successful.</b>	MERKULOVA, Olga	
<b>[74] Web-Based control system for the QUATI beamline at Sirius</b>	FERREIRA TORQUATO, Igor	

<b>[6] A WEB APPLICATION FOR BIOSAXS HIGH-THROUGHPUT DATA COLLECTION AND EXPERIMENTAL CONTROL</b>	FLORIAL, Jean Baptiste	
<b>[135] User Interfaces for SIRIUS beamlines</b>	DE SOUZA OLIVEIRA, Ana Clara	
<b>[36] Concept for an exchangeable metadata structure for electronic labbooks based on Mediawiki</b>	GRUBER, Thomas	
<b>[158] Integrated control of a chip scanner for time-resolved crystallography at the NSLS-II FMX beamline</b>	SCHAFFER, Robert	
<b>[75] EasyTexture: a new software for data reduction at POWTEX</b>	KOSHCHII, Oleksandr	
<b>[66] PiXiu: software for calculating inelastic neutron scattering spectra in four dimensions with high precision</b>	Mr TANG, Ming	
<b>[68] ROCK-IT: Remote, operando controlled, knowledge-driven, IT-based catalysis research at large-scale facilities</b>	BURKE, Devin GÖRZIG, Heike	
<b>[152] Automation developments at SOLEIL</b>	Mr NOUREDDINE, Arafat ABIVEN, Yves-Marie	
<b>[111] BEC's Scanning Approach: Devices Get Ready!</b>	APPEL, Christian	
<b>[122] OpenEM: Open research data infrastructure for electron microscopy</b>	BLIVEN, Spencer	
<b>[116] Multimodal data acquisition system for sub-second time resolution using motor trajectory control in Sardana</b>	SILVA, Vanessa LINDBERG, Mirjam	
<b>[102] Construction of XASDB</b>	□, □□	
<b>[110] BEC Widgets: A Modular GUI Framework for Beamline Experiment Control</b>	WYZULA, Jan	
<b>[96] Controls for dynamic tomography at the TOMCAT beamlines</b>	MOHACSI, Istvan	
<b>[95] High-Speed 2D detector DAQ at the ESRF</b>	HOMS PURON, Alejandro	
<b>[93] Handling different analysis workflows in a modular framework</b>	STORM, Malte	
<b>[92] Fast Data Analyser for X-ray spectroscopy beamlines</b>	KARCZMARCZYK, Przemyslaw	
<b>[31] CAMEO: Orchestrate, communicate with any app</b>	LE GOC, Yannick	
<b>[39] The Design of HDF5 Data Formats for HEPS</b>	WANG, Haofan	
<b>[44] The Transition from CentOS to Rocky Linux at SESAME</b>	FOUDEH, Ibrahim	
<b>[64] The DESY use case or: From demonstrator beamline instances towards usefulness and large scale deployment.</b>	HINZMANN, Regina	
<b>[12] "Intelligence Terminal" Multimodal Data Analysis System for Synchrotron Radiation Experiments</b>	ZHAO, Lina	
<b>[109] NXRefine: An Automated Workflow for Single Crystal X-ray Diffuse Scattering</b>	OSBORN, Raymond	
<b>[8] An efficient ptychography reconstruction strategy through fine-tuning of large pre-trained deep learning model</b>	PAN, Xinyu Prof. ZHANG, Yi ZHOU, Zhongzheng	
<b>[33] MXCuBE Goes Serial</b>	OSKARSSON, Marcus	
<b>[123] Application of Google TPU-fined Adam Algorithm and Huawei NPU CANN Mindspore Toolkit in Physics-Informed Neural Network Training for Ptychography</b>	WANG, LEI	