

NOBUGS 2018 - Monday, October 22, 2018

8:30 AM – 9:00 AM	Breakfast	
9:00 AM – 9:20 AM	Welcome, Opening Remarks	
9:20 AM – 10:00 AM	Keynote Address 1	Peter Wang
Session 1 - Chair: Mark Koennecke		
10:00 AM – 10:25 AM	Provenance-enabled measurements for multi-modal analysis and predictive synthesis	L Pouchard, Brookhaven National Laboratory
10:25 AM – 10:50 AM	Handling the Data Deluge in Photon Science Experiments: Current Status and Future Plans at DESY	A Rothkirch, DESY
10:50 AM – 11:15 AM	Workflow Engine in APS Data Management System	S Veseli, Argonne National Laboratory
11:15 AM – 11:40 AM	High Throughput Ptychographic Imaging: A Unified, Full Systems Approach	M Basham, Diamond Light Source
11:40 AM – 12:05 PM	Optimized multi-dimensional event storage with space filling curves	D Nixon, ISIS
12:05 PM – 1:00 PM	Lunch	
1:00 PM – 2:00 PM	Poster Session	
Session 2 – Chair: Stuart Campbell		
2:00 PM – 2:25 PM	Full Stack Tomography at Diamond Light Source: From Big Data to Machine Learning	M Basham, Diamond Light Source
2:25 PM – 2:50 PM	Containing the Flood: Real-Time Workflows for Single Crystal Diffraction	R Osborn, Argonne National Laboratory
2:50 PM – 3:15 PM	Toward Scalable X-ray Streaming Workflows	J Wozniak, Argonne National Laboratory
3:15 PM – 3:40 PM	PyRS and PyVDRive: the data reduction and visualization tools for engineering diffractometers in ORNL	W Zhou, Oak Ridge National Laboratory
3:40 PM – 4:05 PM	Computing Solution For CDI Reconstruction	B Frosik, Argonne National Laboratory
4:05 PM – 4:30 PM	Break / Posters	
Session 3 – Chair: Tobias Richter		
4:30 PM – 5:00 PM	Lightning Facility Updates	
5:00 PM	End	

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8:30 AM – 9:00 AM	Breakfast	
Session 4 - Chair: Majid Ounsy		
9:00 AM – 9:25 AM	Xi-cam: Flexible High Throughput Data Processing for GISAXS	R Pandolfi, Lawrence Berkeley National Laboratory
9:25 AM – 9:50 AM	Data analysis software for ptychographic reconstruction	K Yue, Argonne National Laboratory
9:50 AM – 10:15 AM	Advances in event based data structures for neutron scattering experiments	P Peterson, Oak Ridge National Laboratory
10:15 AM – 10:40 AM	SciCat – a Scientist’s Data Catalogue	H Petri, MAX IV Laboratory – Lund University
10:40 AM – 11:05 AM	The DonkiLOG Extensible Experimental Logbook	R Borghes, Elettra
11:05 AM – 1:00 PM	Lunch / NOBUGS IOC Session	
Session 5 – Chair: Thorsten Kracht		
1:00 PM – 1:25 PM	Controls System Survey	M Konnecke, Paul Scherrer Institute
1:25 PM – 1:50 PM	How to “step” and “fly” with Bluesky?	M Rakitin, Brookhaven National Laboratory
1:50 PM – 2:15 PM	Recent Advancements in Generic Data Acquisition (GDA)	J Mudd, Diamond Light Source
2:15 PM – 2:40 PM	Testing an Instrument Control System without an Instrument	D Oram, UK Research and Innovation
2:40 PM – 3:05 PM	Group Photo	
3:05 PM – 3:30 PM	Break / Posters	
Session 6 – Chair: Mark Basham		
3:30 PM – 3:55 PM	SNS instrument control system upgrade: continuously improving user interface and user experience	M Yao, Oak Ridge National Laboratory
3:55 PM – 4:20 PM	BLISS, the new ESRF experiments control system	M Guijarro, ESRF
4:20 PM – 4:45 PM	A Report on the new Data Collection Framework at APS	P Jemian, Argonne National Laboratory
4:45 PM	End	
6:00 PM – 9:00 PM	Banquet Dinner	

NOBUGS 2018 - Wednesday, October 24, 2018

8:30 AM – 9:00 AM	Breakfast	
9:00 AM – 9:40 AM	Keynote Address 2	Steve Dower
Session 7 - Chair: Pete Peterson		
9:40 AM – 10:05 AM	A High-level Geometry Layer for Neutron Reflectometry Instruments at ISIS	T Löhnert, UK Research and Innovation
10:05 AM – 10:30 AM	StreamWriter: A CBF Image Writer for the Eiger	M Hilgart, GM/CA at the Advanced Photon Source
10:30 AM – 10:55 AM	Graphical User interfaces for serial crystallography at EMBL Hamburg	I Karpics, European Molecular Biology Laboratory
10:55 AM – 11:20 AM	Instrument Geometry in the NeXus Format	M Jones, ISIS
11:20 AM – 11:45 AM	State of the NeXus Nation	T Richter, European Spallation Source
11:45 AM – 1:00 PM	Lunch	
Session 8 – Chair: Armando Sole		
1:00 PM – 1:25 PM	Tomviz: Open Source 3D Graphical Tool for Reproducible Tomography	M Hanwell, Kitware
1:25 PM – 1:50 PM	Scientific software developments at the European Spallation Source	T Richter, European Spallation Source
1:50 PM – 2:15 PM	Collaborative and Automated Software Packaging Using Gitlab-CI	C Pascual-Izarra, ALBA Synchrotron
2:15 PM – 2:40 PM	Mantid: Lessons from the Long Haul	M Gigg, Tessella
2:40 PM – 3:20 PM	Keynote Address 3	James Powell
3:20 PM – 3:40 PM	Close out session	
3:40 PM – 5:00 PM	NSLS-II Tour	
5:00 PM	End	

NOBUGS 2018 Satellite Workshops: October 25 - 26, 2018

NeXus International Advisory Committee

Details and Agenda: <https://www.nexusformat.org/NIAC2018.html>

Mantid Developer Workshop

Details and Agenda: https://www.mantidproject.org/Category:MiniDeveloper_Workshop_2018

If you wish to attend either of these workshops, please sign up at the registration desk on Monday morning at the NOBUGS conference.