

NEXT-III: Planning the Next Suite of Potential Beamlines at NSLS-II

Organizers: Amy Marschilok (SUNY @ Stony Brook), Diana Monteiro (Hauptman-Woodward-MRI), David Sprouster (SUNY @ Stony Brook), Matthew Whitaker (SUNY @ Stony Brook)

This workshop is designed to update the NSLS-II User community on the status of the NEXT-III project, and process with which the next suite of beamlines will be selected and constructed. We envision the workshop to consist of an introduction to the program by the NEXT-III project leader, and presentations from the lead organizers for each of the fourteen currently short-listed white papers.

The goals during this workshop are as follows:

- Update users and stakeholders on the status of the NEXT-III project.
- Enable users to input their ideas about the current white papers, from equipment to application.
- Encourage user participation in new ideas for future beamlines.

Recognizing the potential role this workshop could play towards building stronger science cases and ideas about beamline specs and significant new dependencies (i.e., specialized lab or equipment, software needs, etc.), following this workshop the organizers will co-author a summary report to be approved by the UEC and made available to NSLS-II Management and the NSLS-II SAC.

Time	Title	Speaker
	Morning Session	
9:00-9:05	Morning Welcome	John Hill
9:05-9:30	NEXT-III Overview	Wah-Keat Lee
9:30-9:50	QCT: Quantitative Cellular Tomography	Sean McSweeney
9:50-10:10	MCT: Micro-Computed Tomography	Xianghui Xiao
10:10-10:30	RAX: Rapid Access X-ray Diffraction	Ken Evans-Lutterodt
10:30-10:40	BREAK	
10:40-11:00	SID: Simultaneous Imaging and Diffraction	Michael Drakopoulos
11:00-11:20	STX: Automated Scanning Transmission X-ray Microscope	Eliot Gann
11:20-11:40	ATM: Advanced Tender Microscopy	Yonghua Du
11:40-12:00	CST: Coherent Soft and Tender X-ray Scatter for Spectro-Nano Imaging	Claudio Mazzoli
12:00-12:30	Discussion	
12:30-1:25	LUNCH	
	Afternoon Session:	
1:25-1:30	Afternoon Welcome	Organizers

1:30-1:50	AMP: Advanced Manufacturing Processing	Lutz Wiegart
1:50-2:10	MAX: Massively Automated Crystallography	Jean Jakoncic
2:10-2:30	HTS: High Throughput Soft X-ray Spectroscopy and Scattering	Joseph Dvorak
2:30-2:50	HRD: High Resolution X-ray Powder Diffraction	Eric Dooryhee
2:50-3:00	BREAK	
3:00-3:20	ANI: Advanced Nanoscale Imaging	Yong Chu
3:20-3:40	TXN: Tender X-ray Nanoprobe	Xiaojing Huang
3:40-4:00	HRS: High Resolution X-ray Spectroscopy	Eli Stavitski
4:00-5:00	Discussion/Collation of comments/ideas	