

Annual General Meeting of ORSO

Monday, June 14, 2021

Plenary: Session 1 (9:00 AM - 12:00 PM)

-Conveners: Thomas Arnold

time	[id] title	presenter
9:00 AM	[2] Introduction	ARNOLD, Thomas
9:15 AM	[3] Reproducible science in the neutron reflection context	Dr PRESCOTT, Stuart
9:45 AM	[4] Spatially resolved neutron reflectometry by computed tomography	AOKI , Hiroyuki
10:15 AM	Coffee Break	
10:30 AM	[5] Resonant x-ray reflectivity: probing the chemical and magnetic profiles	HASE, Tom
11:00 AM	[6] Nina-Juliane Steinke	
11:30 AM	[7] The Data Formats Working Group	STAHN, Jochen
11:45 AM	[8] The Education and Outreach Working Group	MURPHY, Bridget

Plenary: Session 2 (7:00 PM - 10:00 PM)

-Conveners: Thomas Arnold

time	[id] title	presenter
7:00 PM	[9] Introduction	ARNOLD, Thomas
7:15 PM	[10] Reinventing time-of-flight reflectometry—return of a proven approach	CHARLTON, Tim
7:45 PM	[11] Free Thiols Regulation of the Interactions and Self-Assembly of Thiol-Passivated Metal Nanoparticles investigated with X-ray scattering and MD simulations.	LIN, Binhua
8:15 PM	Coffee Break	
8:30 PM	[12] Why NeXus?	OSBORN, Ray
9:00 PM	[13] 35 years of x-ray reflectivity at NSLS & NSLS II: science hiding in small features and the new kid (instrument) on the block	OCKO, Ben
9:30 PM	[14] The Data Analysis Working Group	MARANVILLE, Brian
9:45 PM	[15] The Reproducibility Working Group	MCCLUSKEY, Andrew

Friday, June 18, 2021

Plenary: Session 3 (7:00 PM - 9:00 PM)

time	[id] title	presenter
7:00 PM	[16] Summary of the working group sessions	
7:30 PM	[17] New Methods in Reflectivity Analysis: Neural Networks and the Fisher Information	COOPER, Joshaniel DURANT, James
8:00 PM	[18] Artificial Intelligence Analysis of Reflectivity Data	KOWARIK, Stefan
8:30 PM	[19] Towards reflectivity profile inversion through artificial neural networks	CARMONA LOAIZA, Juan