



# Annual General Meeting of ORSO

## Monday, 14 June 2021

### Plenary: Session 1 (09:00 - 12:00)

-Conveners: Thomas Arnold

time	[id] title	presenter
09:00	[2] Introduction	ARNOLD, Thomas
09:15	[3] Reproducible science in the neutron reflection context	Dr PRESCOTT, Stuart
09:45	[4] Spatially resolved neutron reflectometry by computed tomography	AOKI , Hiroyuki
10:15	Coffee Break	
10:30	[5] Resonant x-ray reflectivity: probing the chemical and magnetic profiles	HASE, Tom
11:00	[6] Nina-Juliane Steinke	
11:30	[7] The Data Formats Working Group	STAHN, Jochen
11:45	[8] The Education and Outreach Working Group	MURPHY, Bridget

### Plenary: Session 2 (19:00 - 22:00)

-Conveners: Thomas Arnold

time	[id] title	presenter
19:00	[9] Introduction	ARNOLD, Thomas
19:15	[10] Reinventing time-of-flight reflectometry—return of a proven approach	CHARLTON, Tim
19:45	[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
20:15	Coffee Break	
20:30	[12] Why NeXus?	OSBORN, Ray
21:00	[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
21:30	[14] The Data Analysis Working Group	MARANVILLE, Brian
21:45	[15] The Reproducibility Working Group	MCCLUSKEY, Andrew

# Friday, 18 June 2021

## Plenary: Session 3 (19:00 - 21:00)

time	[id] title	presenter
19:00	[16] Summary of the working group sessions	
19:30	[17] New Methods in Reflectivity Analysis: Neural Networks and the Fisher Information	COOPER, Joshaniel DURANT, James
20:00	[18] Artificial Intelligence Analysis of Reflectivity Data	KOWARIK, Stefan
20:30	[19] Towards reflectivity profile inversion through artificial neural networks	CARMONA LOAIZA, Juan