

# ACNS & NDF ECR Clip Day 2023 Program

## Thursday 23rd March – AINSE Theatre

Time	Title	Presenter
<b>8:30</b>	<b>Registration Desk open with Tea and Coffee</b>	<b>AINSE Corridor</b>
9:30	Welcome	Anton Stampfl
9:40	ACNS Update	Jamie Schulz
10:00	AINSE Update	Michael Rose
10:15	Organic and inorganic geochemical analyses demonstrate processes involved in exceptional soft-tissue preservation in Mazon Creek (Carboniferous) concretions	Madison Tripp
10:30	Nanofiltration membrane templated from hexagonal lyotropic liquid crystals (HLLC) investigated by SAXS/GISAXS	Senlin Gu
10:45	Analysis of Residual Stresses on Steels after Laser Cleaning	Jade Tu
<b>11:00</b>	<b>Morning Tea</b>	<b>AINSE Corridor</b>
11:30	Instrument Group talks 1 (Diffraction, SANS, Imaging/Kowari, Diffraction, Inelastic)	Richard Mole
11:45	Instrument Group talks 2	Anna Sokolova
12:00	Sample Environment	Rachel White
12:15	Instrument Group talk 3	Ross Piltz
12:30	Instrument Group talk 4	Stephen Holt
<b>12:45</b>	<b>Lunch</b>	
1:45	Industry Talk	Anna Paradowska
2:00	Instrument Group talk 5	Joseph Bevitt
2:15	Dynamic differences in ionic liquid mixtures: the effect of making your salt longer	Daniel Morris
2:30	Application of finite element simulations to nanosecond laser ablation process	Yutaka Tsumura
2:45	Magnetic structure of the new Dresselhaus magnet Sr <sub>2</sub> MnGe <sub>2</sub> S <sub>6</sub> O	Xiaoqi Pang
3:00	Design, synthesis and investigation of a novel Resilin-like modular polypeptide	Nisal Wanasingha
<b>3:15</b>	<b>Afternoon Tea</b>	<b>AINSE Corridor</b>
3:45	Structural Changes of Commercial Plant Proteins	Alice Tiong
4:00	In pursuit of lanthanide(I) complexes	Finlay Burke
4:15	Phonon Engineering Tin Telluride with Nanodiamond	Caleb Stamper
<b>4:30</b>	<b>3 Minute presentations</b>	
	Effects of Ferroelastic Domain Evolution on Properties During Antiferroelectric-Ferroelectric Phase Transitions	Teng Lu
	Understanding the Evolution of Local Structure and Dynamics in Liquid Metals under Static Magnetic Fields	Rong Fu
	Study of magnetic materials using neutron powder scattering	Mengyun (Molly) You
<b>5:00</b>	<b>Drinks and Posters</b>	<b>ANSTO Café</b>
<b>6:00</b>	<b>Dinner</b>	<b>ANSTO Café</b>
<b>8:00</b>	<b>Close</b>	

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Friday 24th March - AINSE Theatre

Time	Title	Presenter
9:00	Introduction to the National Deuteration Facility (more time - up to 30min)	Carl Recsei
9:30	Enabling High-Efficiency Spintronics in Disordered Co <sub>2</sub> MnGa	Weiyao Zhao
9:45	Residual Stresses in Laser Clad Light Rail Components	Olivia Kendall
10:00	Crystal Structure Behaviour Determination of Oxygen and Argon for Safer Liquefied Hydrogen Delivery	Xiong Xiao
10:15	Anharmonic Lattice Dynamics in the Mg <sub>3</sub> Sb <sub>2</sub> -based Thermoelectric Materials	Lei Chen
<b>10:30</b>	<b>Morning Tea</b>	<b>AINSE Corridor</b>
11:00	Explaining the slippery, liquid-like behaviour of nanoscale grafted layers	Isaac Gresham
11:15	Neutron methods in metal additive manufacturing	Halsey Ostergaard
11:30	Proposal writing	Kirily Rule
11:45	Proposal writing NDF	Michael Muir
<b>12:00</b>	<b>Closing and Awards</b>	<b>Jamie Shulz</b>
<b>12:30</b>	<b>Lunch</b>	<b>AINSE Corridor</b>
<b>2:00</b>	<b>Close</b>	