## ACNS & NDF ECR Clip Day 2023 Program Thursday 23rd March – AINSE Theatre

Title  8:30 Registration Desk open with Tea and Coffee  9:30 Welcome  9:40 ACNS Update 10:00 AINSE Update 10:15 processes involved in exceptional soft-tissue preservation in Mazon Creek (Carboniferous) concretions  10:30 Nanofiltration membrane templated from hexagonal lyotropic liquid crystals (HLLC) investigated by SAXS/GISAXS  10:45 Analysis of Residual Stresses on Steels after Laser Cleaning  10:45 Analysis of Residual Stresses on Steels after Laser Cleaning  10:45 Instrument Group talks 1: Inelastic Scattering  11:30 Instrument Group talks 2: Small Angle Scattering  11:45 Instrument Group talks 2: Small Angle Scattering  12:10 Sample Environment 12:15 Instrument Group talk 3: Diffraction 12:30 Instrument Group talk 4: Reflectometry  12:45 Lunch 12:45 Industry Talk 12:45 Industry Talk 12:5 Infustry Talk 12:6 Instrument Group talk 5: Imaging and Engineering 12:15 Opynamic differences in ionic liquid mixtures: the effect of making your salt longer 2:30 Application of finite element simulations to nanosecond laser ablation process 2:45 Magnetic structure of the new Dresselhaus magnet Sr2MnGe2S60 2:51 Design, synthesis and investigation of a novel Resilin-like modular polypeptide  3:45 Afternoon Tea 3:45 Structural Changes of Commercial Plant Proteins 10:20 In pursuit of lanthanide(1) complexes 11:5 Phonon Engineering Tin Telluride with Nanodiamond 12:6 Stamper 13:6 Structural Changes of Commercial Plant Proteins 13:7 Protection Effects of Ferroelastic Domain Evolution on Properties During 14:30 Alinete Presentations 15:6 Afternoon Tea 16:00 Dinner 17:00 Dinks and Posters 18:00 Close			
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8:00 Close	6:00	Dinner	ANSTO Café
	8:00	Close	

## ACNS & NDF ECR Clip Day 2023 Program

## Friday 24th March - AINSE Theatre

Time	Title	Presenter
9:00	Introduction to the National Deuteration Facility	Carl Recsei
9:30	Enabling High-Efficiency Spintronics in Disordered Co2MnGa	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 Hyrdogen Delivery	Xiong Xiao
10:15	Anharmonic Lattice Dynamics in the Mg3Sb2-based Thermoelectric Materials	Lei Chen
10:30	Morning Tea	AINSE Corridor
11:00	Explaining the slippery, liquid-like behaviour of nanothin grafted layers	Isaac Gresham
11:15	Neutron methods in metal additive manufacturing	Halsey Ostergaard
11:30	Proposal writing	Kirrily Rule
11:45	Proposal writing NDF	Michael Moir
12:00	Closing and Awards	Jamie Schulz
12:30	Lunch	AINSE Corridor
2:00	Close	