

Thursday 16th September 2021

	10:00 - 10:15	Welcome
	10:15 - 10:45	Invited Speaker: Dr Ivana Hasa Assistant professor, WMG, University of Warwick Sodium-ion batteries: from materials to cell development
Session 1 Chair: Wilgner Silva	10:45 - 11:05	Abby Haworth (Lancaster University) Understanding the Local Structure of Protective Alumina Coatings for Cathodes and the Coating-Cathode Interface
	11:05 - 11:25	Bo Dong (University of Birmingham) Garnet Solid State Electrolytes for Solid-State Batteries
	11:25 - 11:45	Evé Wheeler-Jones (University of Warwick) The influence of synthesis route on the crystallinity and rate capability of niobium pentoxide for energy storage
	11:45 - 13:00	Lunch
Session 2 Chair: Elizabeth Driscoll	13:00 - 13:30	Invited Speaker: Laura Woodward Career and Professional Development Advisor at the Royal Society of Chemistry
	13:30 - 14:00	Invited Speaker: Siddharth Patwardhan Professor, University of Sheffield, Sipat Consultancy and Training Plate Spinning: A Beginner's Guide to Surviving and Thriving as an Engineering/Science Academic
	14:00 - 14:30	Invited Speaker: Jamie Gallagher Freelance Communicator and Engagement Professional An Introduction to Outreach
	14:30 - 15:30	Poster Session 1 (including break)
Session 3 Chair: Elanor Murray	15:30 - 16:00	Invited Speaker: Dr James Dawson NU Academic Track Fellow, Newcastle University Beyond the Bulk: Computational Approaches to Interfaces and Ion Transport in Energy Materials
	16:00 - 16:20	Seán Kavanagh (University College London) Rapid Recombination by Cadmium Vacancies in CdTe
	16:20 - 16:40	Struan Simpson (University of Aberdeen) Electronic phase segregation in the 6H-perovskite $\text{Ba}_3\text{SrMo}_2\text{O}_9$
	16:40 - 17:00	Khalid Naif Alharbi (Centre for Science at Extreme Conditions (CSEC) and University of Edinburgh) Synthesis of new cation-ordered perovskite oxides under high-pressure and investigation of their magnetic properties
	17:00 - 17:30	Social - breakout rooms

Friday 17th September 2021

	10:00 - 10:05	Welcome
	10:05 - 10:35	Invited Speaker: Dr Jason McNulty Associate Lecturer (Education focused) in Inorganic Chemistry, University of St. Andrews Research to Education: How I got here
Session 4 Chair: Dashnor Beqiri	10:35 - 10:55	Elizabeth Driscoll (University of Birmingham) The Building Blocks of Battery Technology: Inspiring the next generation of battery researchers
	10:55 - 11:15	Yao Yuan (University of Edinburgh) Ternary nitrides as rapid and durable electrocatalysts
	11:15 - 11:35	Mario Falsaperna (University of Kent) Exploring the magnetocaloric effect in the $\text{Ln}(\text{HCO}_2)(\text{C}_2\text{O}_4)$ family of Metal-Organic Frameworks
	11:35 - 12:05	Invited Speaker: Dr Andrew Cairns Research Fellow, Imperial College London 'Out' in Academia: Experiences of an LGBT+ Scientist
	12:05 - 13:00	Lunch
Session 5 Chair: Dr Nicolas Flores - Gonzales & Emily Hanover	13:00 - 14:00	Invited Speaker: Dr Akhil Kallepalli Dragonfly Mental Health Ambassador Mental Health Literacy
	14:00 - 14:30	Invited Speaker: Dr Lennie Foster Skills Manager for Energy Research Accelerator (ERA) and Centre for Post-doctoral Development in Infrastructure Cities and Energy (C-DICE) C-DICE and ERA: Creating a Pipeline Of World Class Talent to Meet Green Growth and Net Zero Challenges
	14:30 - 15:30	Poster Session 2 (including break)
	15:30 - 16:00	Invited Speaker: Dr Alexandra Gibbs EPSRC Early Career Fellowship, St Andrews, ISIS Symboisis and serendipity in life and research at the physics/chemistry interface
Session 6 Chair: Dr Alex Browne	16:00 - 16:20	Ashutosh Kumar Singh (Jawaharlal Nehru Centre for Advanced Scientific Research, India) Electrical transport properties of half-heusler ScPdBi single crystals under extreme conditions
	16:20 - 16:40	Charlotte Pughe (University of Sheffield) Site - Selective d^{10}/d^0 effect in a hexagonal perovskite: $\text{Ba}_2\text{CuTe}_{1-x}\text{W}_x\text{O}_6$
	16:40 - 17:00	Kunlang Ji (University of Edinburgh) Crystal and magnetic study on cation ordered $\text{A}_2\text{B}_2\text{O}_6$ phases
	17:00 - 17:15	Prize Winners Announced & Closing