



5 th of September, 2022			
Time	Event	Details	Location
8:30 – 9:10	Registration (at Horton Barn: Foyer (D01.16))		
9:10 – 9:20	Welcome to RAMS-2022 by Prof Anne Graham & Prof. Sherif El-Khamisy, University of Bradford		Horton Barn
9:20 – 10:00	Plenary 1	Prof. Stuart James, Queens University Belfast <i>Porous Liquids: From Concept to Carbon Capture</i>	Horton Barn
10:00 – 10:20	Invited Talk	Dr. Qilei Song, Imperial College London <i>Innovation in Membrane Materials for Energy Conversion and Storage</i>	Horton Barn
10:20 – 10:40	Invited Talk	Dr. Sean Collins, University of Leeds <i>Liquid phase sintering of metal–organic frameworks (MOFs) and halide perovskites for luminescent composites</i>	Horton Barn
10:40 – 11:00	Invited Talk	Dr. Maria Azmanova, University of Bradford <i>Electron-Deficient and Saturated Organoruthenium Complexes as Anticancer Drug Candidates</i>	Horton Barn
11:00 – 11:20	Coffee break		Foyer (D01.16)
11:20 – 11:40	Invited Talk	Dr. Matthew Addicoat, Nottingham Trent University <i>Functional Group Pair Distance-based Descriptor for Isomerization in Porous Molecular Framework Materials</i>	Horton Barn
11:40 – 12:00	Invited Talk	Dr. James Cumby, University of Edinburgh <i>The Importance of Disorder in Inorganic Materials</i>	Horton Barn
12:00 – 12:20	Invited Talk	Dr. Zak Hughes, University of Bradford <i>Manufactured Nanomaterials in the Environment: Elucidating the Interaction of Natural Organic Matter with Nanomaterials via Molecular Simulation</i>	Horton Barn
12:20 – 12:40	Invited Talk	Dr. Rosamund (Ros) Daw Chief Editor, Communications Engineering <i>Editor's speech</i>	Horton Barn
12:40 – 14:00	Lunch and Poster		Foyer (D01.16)
14:00 – 14:40	Plenary 2	Prof. Siddharth V. Patwardhan, University of Sheffield <i>Title: My research journey from discovery to market for bioinspired nanomaterials</i>	Horton Barn
14:40 – 15:00	Invited Talk	Dr. Xiao Hua, Lancaster University <i>Revisiting Conversion Electrode Materials for Lithium-ion Batteries using Pair Distribution Function</i>	Horton Barn
15:00 – 15:20	Invited Talk	Dr. Tom Hasell, University of Liverpool <i>Making useful materials from elemental sulfur</i>	Horton Barn
15:20 – 15:40	Invited Talk	Dr. Arathyram Ramachandra Kurup Sasikala, University of Birmingham <i>Development of self-powered multifunctional piezomagnetic carbon nanoneedles for transient BBB disruption and glioblastoma treatment</i>	Horton Barn
15:40 – 16:00	Coffee break		Foyer (D01.16)
16:00 – 17:00	Plate Spinning	Prof. Siddharth V. Patwardhan, University of Sheffield <i>Workshop: "Plate Spinning"</i>	Horton Barn
19:00 – 22:00	Conference Dinner		TBC



6 th of September, 2022			
Time	Event		Location
9:00 – 9:40	Plenary 3	Prof. Valeska Ting, University of Bristol <i>Functional materials for energy applications: An interdisciplinary journey</i>	Horton Barn
9:40 – 10:00	Invited Talk	Dr. Amanda Hughes, University of Liverpool <i>Printable Solar Inks: Safe and Green Solvents for Inkjet Printing of Non-Toxic Perovskite Solar Cells</i>	Horton Barn
10:00 – 10:20	Invited Talk	Dr. Natalia Sergeeva, University of Leeds <i>Fabrication and Evaluation of Photoprotective Hybrid Pigments</i>	Horton Barn
10:20 – 10:40	Invited Talk	Dr. Nejat Rahmanian, University of Bradford Effect of material properties on formation of seeded granules	Horton Barn
10:40 – 11:20	Coffee break		Foyer (D01.16)
11:20 – 11:40	Invited Talk	Dr. Carlos Fernandez, Robert Gordon University <i>Applications of Novel Materials in Sensing and Energy Storage Devices</i>	Horton Barn
11:40 – 12:00	Invited Talk	Dr. Sadia Ashraf, Bahria University, Pakistan <i>Evaluation of heavy metal ions in the groundwater samples from selected automobile workshop areas in northern Pakistan</i>	Horton Barn
12:00 – 12:20	Invited Talk	Dr. Nasurallah Mahar, King Fahd University of Petroleum & Minerals, Saudi Arabia <i>Fabrication of Ag-NPs loaded Vanadium Carbide MXenes with improved Inter-layer spacing and enhanced Raman Sensitivity towards the trace-level quantification of Gemcitabine</i>	Horton Barn
12:20 – 13:20	Lunch and Poster		Foyer (D01.16)
13:20 – 14:00	Plenary 4	Prof. Anant Paradkar, University of Bradford <i>Effershield®: A Material Science Innovation with cross-sectoral impact</i>	Horton Barn
14:00 – 14:20	Invited Talk	Dr. Colin Seaton, University of Bradford <i>Isostructural Molecular Crystals: Combining Experimental and Computational Screening</i>	Horton Barn
14:20 – 14:40	Invited Talk	Dr. Venu Vengala, University of Bradford <i>Crystal Engineering of Pharmaceutical Materials for an Improved Health: Cocrystallisation of some Actives</i>	Horton Barn
14:40 – 15:00	Invited Talk	Dr. Amalia Ruiz Estrda, University of Bradford <i>Unravelling structural changes of encapsulated doxorubicin crystals in lysolipid temperature-sensitive liposomes by Cryo-TEM under hyperthermia</i>	Horton Barn
15:20 – 16:00	Prize distribution and closing remarks		Horton Barn