

Programme: Tuesday 1 July 2025

8:50 AM - 9:20 AM	Registration and Refreshments
9:20 AM - 9:30 AM	Welcome Talk
9:30 AM - 10:00 AM	Invited Talk: Prof. Amalia Patane Atomically Thin Semiconductors for Science and Technology
10:00 AM - 10:30 AM	Invited Talk: Dr. Abhishek Misra Room Temperature Dipolar Excitons in van der Waals Heterostructures
10:30 AM - 11:00 AM	Invited Talk: Dr. Yan Wang Clean interfaces on 2D semiconductors
11:00 AM - 11:15 AM	Morning Break
11:15 AM - 12:15 PM	<p>Oral Contributions</p> <p>11:15 AM - 11:30 AM Jason Stafford Sustainable liquid phase exfoliation processes for 2D materials using predictive models and feedstock re-use</p> <p>11:30 AM - 11:45 AM Geeta Sharma Tailoring optical and thermal properties in rare-earth doped MoS₂ for device applications</p> <p>11:45 AM - 12:00 PM Deepa Bhatt Effect of Te substitution and copper vacancies on the thermoelectric performance of BiCuSeO</p> <p>12:00 PM - 12:15 PM Melanie Randall-Evans Assessing the discharge-recharge mechanism of monovalent cation-directed hausmannite Mn₃O₄ cathodes in aqueous Zn-ion batteries</p>
12:15 PM - 12:45 PM	Invited Talk: Dr. Zeeshan Ali Development of Nucleophilic Metal-Seeded Anodes for Enhanced Sodium Metal Batteries
12:45 PM - 1:10 PM	Poster Presentation Flash Talks
1:10 PM - 2:00 PM	Lunch and Poster Session
2:00 PM - 2:30 PM	Invited Talk: Dr. Alex Ramadan Can perovskite semiconductors be more sustainable than conventional technologies?
2:30 PM - 3:00 PM	Invited Talk: Dr. Baldeep Kaur The Role of Sustainable Materials in Carbon Capturing

3:00 PM - 3:30 PM	Invited Talk: Dr Wan Maryam Wan Ahmad Kamil Developing Sustainable Random Lasers Through Semiconductor Nanotechnology
3:30 PM - 3:50 PM	Afternoon Break
3:50 PM - 4:20 PM	Invited Talk: Prof. Kamal Vidanapathirana Exploring Conducting Polymers as Efficient Electrodes in Supercapacitor Applications
4:20 PM - 4:50 PM	Invited Talk: Prof. Kumudu Perera Engineering Polymer Electrolytes for light weight, flexible and safer super capacitors
4:50 PM - 5:00 PM	Poster Prize Giving and Closing Remarks