

# PVSAT Programme

Thursday 23 April 2026

9:00 AM - 10:45 AM	<b>Session 4: Perovskites</b> <b>9:00 AM - 9:30 AM Petra Cameron (Invited Speaker)</b> Understanding the impact of mobile ions on perovskite solar cells <b>9:30 AM - 9:45 AM Dumitru (Dima) Sirbu</b> Sustainable PV Manufacturing with Micro-Groove Architecture <b>9:45 AM - 10:00 AM Matthew Sharpe</b> Ion Beam Analysis for Quantifying Hydrogen, Radiation Effects and Interfaces of Advanced Photovoltaic Materials <b>10:00 AM - 10:15 AM Mojtaba Abdi Jalebi</b> Integrated Molecular, Interface, and Passivation Approaches to Ultra-Efficient Indoor and BIPV Perovskite Photovoltaics <b>10:15 AM - 10:30 AM Jiayi Zhao</b> Ethanol-based Green Solvent System for Fabricating Perovskite Solar Cells <b>10:30 AM - 10:45 AM Hashini Perera</b> Improved optoelectronic homogeneity of perovskite photovoltaics through bottom-up design
10:45 AM - 11:00 AM	<b>Morning Break</b>
11:00 AM - 12:30 PM	<b>Session 5: Space PV</b> <b>11:00 AM - 11:30 AM Louise Hirst (Invited Speaker)</b> Space Photovoltaics for emerging applications <b>11:30 AM - 11:45 AM Albertus Mostert</b> Advanced Anti Reflective Coatings for Space Solar PV <b>11:45 AM - 12:00 PM Adam Law</b> Development of Multifunctional Anti-reflection Coatings for Space Photovoltaics <b>12:00 PM - 12:15 PM Youhuang Yang</b> Development of Ultra-Thin InGaP/GaAs Tandem Cells for Space Applications <b>12:15 PM - 12:30 PM Anup Yadav</b> Carrier Lifetime in Silicon Solar Cell Materials for Space Applications Using Temperature-Dependent Photoexcited Muon Spin Spectroscopy
12:30 PM - 1:30 PM	<b>Lunch</b>
1:30 PM - 2:45 PM	<b>Poster Session B</b>
2:45 PM - 3:00 PM	<b>Afternoon Break</b>

<p><b>3:00 PM - 4:30 PM</b></p>	<p><b>Session 6: Silicon PV and PV Modules</b></p> <p><b>3:00 PM - 3:30 PM Nicholas Grant (Invited Speaker)</b> PV reliability at the tera-watt scale</p> <p><b>3:30 PM - 3:45 PM Sophie Pain</b> Hydrogen in atomic layer deposition-grown aluminium oxide films for silicon surface passivation</p> <p><b>3:45 PM - 4:00 PM Yaxin Zhan</b> Graded AZO/Al<sub>2</sub>O<sub>3</sub> hole selective passivating contact for silicon heterojunction solar cells</p> <p><b>4:00 PM - 4:15 PM Oli Fryatt</b> Mechanical and Compositional Characterisation of PV Module Laminates to Inform High-Value Recycling Pathways</p> <p><b>4:15 PM - 4:30 PM Kelsey Hall</b> ALD coatings for wettability control on anti-soiling PV glass</p>	
<p><b>4:30 PM - 4:45 PM</b></p>	<p><b>Afternoon Break</b></p>	
<p><b>4:45 PM - 6:00 PM</b></p>	<p><b>Delegates are invited to choose one of the parallel sessions scheduled</b></p>	
	<p><b>Lab Tours: EPSRC Advanced Thin Film Sputtering Fabrication Facility (TF-FAB), Northumbria University</b></p>	<p><b>Panel Session: How can academic research contribute to the UK Solar Roadmap and increase in Solar PV deployment?</b></p>
<p><b>7:00 PM - 10:00 PM</b></p>	<p><b>Reception Drinks and Conference Dinner</b></p> <p>Biscuit Factory, 16 Stoddart Street, Newcastle Upon Tyne, NE2 1AN</p>	