

## PVSAT2026 Poster Presentations

Poster No.	Session - Name	First Name	Last Name	Organisation	Paper Title
1	Poster Session B (Thursday)	Fahad	Alharbi	University of Exeter	Enhancing Photovoltaic Efficiency through Coated V-trough Concentrators: Optical, Thermal, and Electrical Investigations
2	Poster Session A (Wednesday)	Toluwalase	Agoro	University of Cambridge	Characterising hot carrier effects in ultra-thin III-V solar cells
3	Poster Session B (Thursday)	Khalid	Almalki	University of Exeter	Enhancing Thermal Management in High Concentration Photovoltaic (HCPV) Systems Using Copper Oxide (CuO) and Graphene Oxide (GO) Nanofluids: Experimental Investigation and Performance Optimization
4	Poster Session A (Wednesday)	Shuhrah	Allami		A zinc grid - conducting polymer transparent electrode for organic photovoltaics
5	Poster Session B (Thursday)	Alanoud	Aloufi	Newcastle University	Designing Interfaces and Understanding Ion Transport in Hybrid Perovskites for Optoelectronic Applications
6	Poster Session A (Wednesday)	Michele	Danesi	National Physical Laboratory	Standardised Characterisation and Comparison of Indoor Photovoltaic Devices
7	Poster Session B (Thursday)	Jie	Chen		Development of Ecofriendly Organic Solar Cells with High Stability
8	Poster Session A (Wednesday)	Zeyad	Elsayed	Loughborough University	Interface and Bulk Effects of Solution-Based Copper Treatments in CdSeTe/CdTe Solar Cells
9	Poster Session B (Thursday)	Sicheng	Deng		Application of Spin-Coating SnO <sub>2</sub> as Sole Electron Transport Layer in p-i-n Perovskite Solar Cells
10	Poster Session A (Wednesday)	Jake	Forsyth-Hughes	Northumbria University	The effect of the sulphurisation rate on Bi <sub>2</sub> S <sub>3</sub> films prepared by thermal vapour sulphurisation of bismuth precursors
11	Poster Session B (Thursday)	Oliver	Dodd	University of Liverpool	Improving Ambient Slot-die Printed Perovskite Films Using Air Knife Induced Crystallisation
12	Poster Session A (Wednesday)	Aikaterini (Katerina)	Fragaki	University of Lancashire	Grid-tied photovoltaics with energy storage; assessing the impact of weather data sources and software selection on the accuracy of performance modelling
13	Poster Session B (Thursday)	Yuxiang	Guo	University of Warwick	Development of novel small-molecule electron transport materials for tin perovskite photovoltaics
14	Poster Session A (Wednesday)	Amna	Ijaz	Northumbria University	Reaction-Time Engineering of TiO <sub>2</sub> Nanostructures for Electron Transport Layers

15	Poster Session B (Thursday)	shaojun	Hao	Newcastle University	First-Principles Investigation of Band Alignment and Defect-Induced Electronic States at 2D–3D Perovskite Interface
16	Poster Session A (Wednesday)	Imalka	Jayawardena	University of Surrey	Perovskite Photovoltaics in Space: Resilience Under Ion Irradiation
17	Poster Session B (Thursday)	David	Keeble	University of Dundee	Investigation of vacancy point defects in CdSexTe1-x semiconductors
18	Poster Session A (Wednesday)	Luke	Jones	Loughborough University	The Effect of Coastal and High-Soiling Environments on Porous Silica Anti-Reflection Coatings vs Anti-Soiling Coatings
19	Poster Session B (Thursday)	Lavanya	Malarkannan	National Physical Laboratory	Accurate spectral response and current-voltage measurements of semi-transparent PV devices
20	Poster Session A (Wednesday)	Amruta P	Joshi	Warwick Manufacturing Group, University of Warwick	Assessment of laser material interactions for improving end-of-life management of silicon solar photovoltaic modules using COMSOL modelling
21	Poster Session B (Thursday)	Callum	McAleese	Surrey Ion Beam Centre	Proton Irradiation and In-Situ Time-of-Flight Elastic Recoil Detection Characterisation of Perovskites for Space Photovoltaics
22	Poster Session A (Wednesday)	Austin	Kay	Swansea University	Thermo-Opto-Electronic Analyses of Space-Based Photovoltaics
23	Poster Session B (Thursday)	Yongtao	Qu	Northumbria University	Sb2Se3 Photoreceiver Enabling Energy Harvesting and Optical Signal Transmission
24	Poster Session A (Wednesday)	Anil	Kumar	University of Warwick	Silicon Surface Passivation by ZnO/Al2O3 Stack with Controlled Interlayers
25	Poster Session B (Thursday)	Aryaveer	Singh	University of Dundee	Identification of vacancy-related point defects in inorganic perovskite halide semiconductors
26	Poster Session A (Wednesday)	Haoxiang	Zhang		Ground-Based Spectral Irradiance for Intra-Hour Photovoltaic Power Forecasting
27	Poster Session B (Thursday)	Will	Tetlow	Northumbria University	A Low-Temperature, Low-Emission Solid-State Route to Barium Sulfide
28	Poster Session A (Wednesday)	Kieran	Landregan	University of Edinburgh	The Development of Novel, Dopant-Free Hole Transport Materials for Perovskite Solar Cells
29	Poster Session B (Thursday)	Connor	Tynan	National Physical Laboratory	Improving PV system degradation forecasting using machine learning ensembles and a combination of real and synthetic system data
30	Poster Session A (Wednesday)	Dolapo	Onabule		Bulk and Microscopic Characterisation of Solar Cell Materials with Multimodal Spectroscopy
31	Poster Session B (Thursday)	Bethany L	Willis	Northumbria University	Adventurous manufacturing of socially-inspired building integrated PV

32	Poster Session A (Wednesday)	Tommy	Richards	University of Surrey/SSTL	Initial Testing of Silicon Heterojunction Solar Cells Under Space Environment Stressors
33	Poster Session B (Thursday)	Elin	Worsley	Swansea University	Fabrication of Laser Interconnected Solar Perovskite Modules
34	Poster Session A (Wednesday)	Fátima	Santos	University of Porto	Solvent dependent charge transfer dynamics in efficient and stable indoor copper-mediated DSSCs
35	Poster Session B (Thursday)	Weicheng	Xu	University of Warwick	Development of a hybrid transparent electrode for organic photovoltaics based on a fine copper grid and poly(3,4-ethylenedioxythiophene): polystyrene sulfonate conducting polymer
36	Poster Session A (Wednesday)	Will	Tetlow	Northumbria University	Solution-Processed Barium Sulfide Thin Films via Spin Coating and Low-Temperature Sulfurisation
37	Poster Session B (Thursday)	Maoqing	Zhi	University of Edinburgh	Eco-friendly high open-circuit voltage organic solar cells enabled by PDI-derived acceptors