



EPSRC CENTRE FOR DOCTORAL TRAINING  
NEW AND SUSTAINABLE  
PHOTOVOLTAICS



Engineering and  
Physical Sciences  
Research Council

## CDT-PV Showcase 31<sup>st</sup> August - 2<sup>nd</sup> September 2021

### Arrival Information

Accommodation: Jonas, Endcliffe Village, Endcliffe Crescent, Sheffield, S10 3ER (0114 222 8816)

Travel Advice: From Sheffield station either taxi (10-15 minutes) or bus service 6 or 272 (30 minutes). If 4 or 5 people take the taxi, then the price is the same. Parking permits available on request.

Coronavirus: Please take a lateral flow test on your day of arrival and regularly throughout the event. The venue has requested we wear masks in the reception area but masks in the main room are optional. If anybody develops any symptoms during the event, please contact Asim immediately (07973 989790).

**Tuesday 31<sup>st</sup> August** – Fun Afternoon (for more information Adam Urwick [aurwick1@sheffield.ac.uk](mailto:aurwick1@sheffield.ac.uk))

Before 13:30	Arrival at Jonas Hall. Lunch will be provided @ Jonas Hall
13:30 – 14:00	Travel to escape rooms via shared taxi. Address: St. James House, Vicar Ln, Sheffield City Centre, Sheffield, S1 2EX <i>Note: To any late arrivals it is a 15-minute walk from the train station</i>
14:00 – 17:00	The Great Escape Game Sheffield <a href="https://thegreatescapegame.co.uk/">https://thegreatescapegame.co.uk/</a>
17:00 onwards	Attendees to arrange dinner requirements themselves. Halifax Hall offers Bistro Menu 6pm to 9pm or plenty of takeaway and restaurant options in Broomhill and Ecclesall Rd, and Sharrowvale.

**Wednesday 1<sup>st</sup> September** – Training Day @ Halifax Hall (for more information Tomi Baikie [tb589@cam.ac.uk](mailto:tb589@cam.ac.uk))

09:00 – 13:00 (With breaks)	Andrew Pemberton - Furthr <i>Data visualisation training</i> Please bring a laptop for this session.
13:00 – 13:45	Lunch
13:45 – 17:45 (With breaks)	David Strahan Consulting Ltd <i>Writing for a non-scientific audience</i> Please complete requested prior work and bring a laptop for this session.
17:45 – 18:00	Break (Snacks and alcoholic drinks provided)
18:00 – 19:00	Chair: Leonardo Buizza Panel members: Ken Durose, David Lidzey, Tasmia Rahman, Alison Walker <i>Panel discussion on Current Research Landscape</i>
20:00 onwards	Evening meal

09:00 – 09:30	Arrival & Registration
<b>Session 1 (Chair: Matthew Smiles)</b>	
09:30 – 09:40	Alan Dunbar <i>Welcome Talk</i>
09:40 – 10:00	Adam Urwick, C5, University of Sheffield <i>Characterising the influence of stoichiometry on MAPbI<sub>3</sub> film formation via in-situ Wide Angle X-ray Scattering (WAXS)</i>
10:00 – 10:20	Jacob Leaver, C5, University of Liverpool <i>Se Diffusion in CdTe Photovoltaics</i>
10:20 – 10:40	Leonardo Buizza, C4, University of Oxford <i>Hopping Around: Charge-carrier dynamics and localisation in silver-bismuth-halide semiconducting materials</i>
10:40 – 11:10	Invited Talk: Dr Claire Greenland, University of Sheffield (CDT-PV C2 alumna) <i>Laser lab to lecturer: my CDT-PV journey</i>
11:10 – 11:30	Tea & Coffee Break
<b>Session 2 (Chair: Lewis Irvine)</b>	
11:30 – 11:50	Bernd Studza, C5, University of Oxford <i>Transparent Conductive Carbon Nanotube: Ethylene-Vinyl Acetate Films</i>
11:50 – 12:10	Matthew Smiles, C5, University of Liverpool <i>Ge 4s<sup>2</sup> Lone Pairs and Band Alignments in GeS and GeSe for photovoltaics</i>
12:10 – 12:30	Daniel Sowood, C5, University of Cambridge <i>Photophysics of Non-Fullerene Acceptors</i>
12:30 – 13:00	Invited Talk: Dr Jenny Clark, University of Sheffield <i>Up/Down energy conversion: one photon from two or two-for-one</i>
13:00 – 14:00	Lunch
<b>Session 3 (Chair: Daniel Sowood)</b>	
14:00 – 14:20	Kaya Davies-Brechley, C5, University of Bath <i>Improved All Inorganic CsPbBr<sub>3</sub> Perovskite Photoanodes for Water Splitting</i>
14:20 – 14:40	Luke Thomas, C5, University of Liverpool <i>Post-growth doped n-type CdTe for photovoltaic devices</i>
14:40 – 15:00	Matthew Pilot, C5, University of Bath <i>Ion Motion in Mixed Cation Perovskites</i>
15:00 – 15:30*	Invited Talk: Dr Tom Baines, Oxford PV (CDT-PV C2 alumnus) <i>Perovskite/Si tandem photovoltaics: Recent advances at Oxford PV</i>
15:30 – 15:50	Tea & Coffee Break
15:50 – 16:50	Poster Session
16:50 – 17:00	Award Distribution
19:30 onwards	Meal at Revolucion De Cuba, 1 Mappin St., S1 4DT 30-minute walk from the venue

\* Talk given over zoom

All talks from 09:30 – 15:30 will be streamed on zoom for anyone unable to attend on the day.  
Meeting ID: 963 2430 4523 Password: ?R?C!rz3. For link contact [M.J.Smiles@liverpool.ac.uk](mailto:M.J.Smiles@liverpool.ac.uk).