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## Centre for Doctoral Training in New & Sustainable Photovoltaics Showcase 2017

9<sup>th</sup> November 2017, Royal Liver Building, Liverpool

Welcome to the third annual CDT-PV showcase, bringing together academia and industry to showcase research across the field of photovoltaics and related technologies in the UK. We hope you find the varied selection of talks today interesting. Please take some time to read posters from all the CDT-PV students during the breaks and in the poster session at the end of the day during which we hope you will have fruitful discussions.

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**9.30** Registration, tea & coffee.

**10.00** Introductory remarks from Ken Durose, CDT-PV director.

Welcome from Cohort 3 by Rachael Greenhalgh & Francesco Bastianini.

**10.20** "In-situ characterisation of organic solar cell materials", *Dr Josue F. Martinez Hardigree, University of Oxford.*

**10.40** "Transparent Conductors and the flat glass industry", *Dr Paul Warren, NSG Pilkington.*

### Break

**11.20** "Findings from a Three-Layer Drift-Diffusion Model for planar perovskite solar cells",  
*Nicola Courtier, University of Southampton.*

**11.40** "Protective interlayer for the encapsulation of stable perovskite devices with UV-curable epoxy",  
*Mike Stringer, University of Sheffield.*

**12.00** "H-centre and V-centre Defects in Hybrid Halide Perovskites", *Lucy Whalley, Imperial College London.*

**12.20** "Stoichiometric crystallisation of lead iodide via UV light", *Konstantinos Tsevas, University of Sheffield.*

**12.40** "Hysteresis and the transient optoelectronic behaviour of hybrid perovskite solar cells",  
*Dr Piers Barnes, Imperial College London.*

**13:00** **Lunch & poster session**

**14:00** "Electrical characterisation of semiconductor thin films", *Dr Eric Don, Semimetrics.*

**14:15** "Perovskite-silicon tandem solar cells", *Oxford Photovoltaics.*

**14:30** "Star-shaped fluorene-BODIPY oligomers: versatile donor-acceptor systems for luminescent solar concentrators", *Dr Nathaniel Davis, University of Cambridge.*

**14:50** "Hydrophobic Anti-Soiling Anti-Reflective Coatings for PV", *Dr Fabiana Lisco, Loughborough University.*

**15:10** "Simulating Morphologies of Organic Semiconductors (without Molecular Dynamics)",  
*Alexander Smith, University of Bath.*

**15:30** **Poster session & drinks until 17.00**

**19:00** **Dinner at the Royal Liver Building**

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We hope you have found today enjoyable. Thank you for attending and see you next year!