

08:30- 09:00	Registration, tea/coffee on arrival		Dining Hall
09:00 – 10:00	<b>Conference opening (plenary)</b> <ul style="list-style-type: none"> <li>• Introduction by Chris Rider, EPSRC Centre Director</li> <li>• Keynote address: Prof. Donal Bradley, University of Oxford <i>Plastic electronics: electrode materials, injection layers and solution processed small molecule OLEDs</i></li> </ul>		Auditorium
10:00 – 10:30	Tea/coffee break		Dining Hall
10:30 – 12:30	<b>Session 1: Integrated smart systems, devices and circuits</b> <i>Auditorium</i> <b>Chair:</b> Prof. Henning Sirringhaus, University of Cambridge <ol style="list-style-type: none"> <li>1. Invited speaker: Dr Martina Pintani, Cambridge Display Technology <i>Solution processed electronic devices at CDT: overview of technology platforms and current performance</i></li> <li>2. Dr Vincenzo Pecunia, University of Cambridge <i>Solution-based hybrid organic/metal-oxide integration for complementary circuits on foil</i></li> <li>3. Dr Simon Ogier, NeuDrive <i>0.5MHz 5 stage ring oscillator circuits and low cost customization technologies for organic logic devices</i></li> <li>4. Dr Xiaojun Guo, Shanghai Jiao Tong University <i>Printable organic transistor technology platform for expanding "More than Moore"</i></li> </ol>	<b>Session 2: Manufacturing technologies 1</b> <i>Umney Theatre</i> <b>Chair:</b> Prof. Thomas Anthopolous, Imperial College London <ol style="list-style-type: none"> <li>1. Rob Hendriks, NovaCentrix <i>Ultra-fast fabrication of printed electronics through photonic curing and soldering</i></li> <li>2. Dr Tom Harvey, CPI <i>Roll-to-roll digital photolithography</i></li> <li>3. Guy Bex, Holst Centre <i>Photonic processes in printed electronics (Printing with Light)</i></li> <li>4. Dr Sebastian Wood, National Physical Laboratory <i>Towards the in-line inspection of organic photovoltaic cells using surface-function correlation</i></li> </ol>	
12:30 – 14:00	Lunch, posters and exhibition		Dining Hall
14:00 – 16:00	<b>Session 3: Energy harvesting and storage</b> <i>Auditorium</i> <b>Chair:</b> Cathy Curling, Curling Consulting <ol style="list-style-type: none"> <li>1. Invited speaker: Prof. Henry Snaith, University of Oxford</li> <li>2. Dr Jenny Baker, SPECIFIC <i>Printing of graphene nanoplatelets as low cost electro-catalysts for dye sensitised solar cells</i></li> <li>3. Dr Youmna Mouhamad, University of Swansea <i>Mass volume printing of energy harvesting device: development of antenna and tunable capacitor system</i></li> <li>4. Dr Pritesh Hiralal, University of Cambridge <i>Powering the internet of things: screen printed batteries</i></li> </ol>	<b>Session 4: Emerging materials for organic electronics</b> <i>Umney Theatre</i> <b>Chair:</b> Dr Ravinder Dahiya, University of Glasgow <ol style="list-style-type: none"> <li>1. Harry Cronin, DZP Technologies <i>Novel low-cost conductive layers for printed electronics</i></li> <li>2. Dr Iyad Nasrallah, University of Cambridge <i>Towards highly stable polymer electronics</i></li> <li>3. Dr Sheida Faraji, University of Manchester <i>Solution-processed high-k nanocomposite gate dielectrics for use in low-voltage field-effect transistors (OFETs): Studying the influence of surface functionalisation of nanoparticles</i></li> <li>4. Dr Emre Polat, University of Glasgow <i>Synthesis of large area graphene for high performance in flexible opto-electronic devices</i></li> </ol>	
16:00 – 16:30	Tea/coffee break		Dining Hall
16:30 – 18:10	<b>Session 5: New market opportunities and technology trends (plenary)</b> <b>Chair:</b> Adrian Geisow, PELG <ol style="list-style-type: none"> <li>1. Keynote address: Prof. Antonio Facchetti, Polyera Corporation <i>Materials synthesis and process engineering for organic and hybrid opto-electronics</i></li> <li>2. Invited speaker: Dr Tung-Huei Ke, IMEC <i>Thin-film integrated circuits for IoT and sensor systems</i></li> <li>3. Invited speaker: Dr Guillaume Chansin, IDTechEx <i>Printed and flexible electronics in wearables and sensors</i></li> </ol>		Auditorium
18:10 – 19:10	Drinks reception and poster session		Dining Hall
19:30	Gala dinner at Selwyn College		

08:30 - 09:00	Tea/coffee		Dining Hall
09:00 - 09:55	<b>Plenary session</b> <b>Chair:</b> Dr Luigi Occhipinti, University of Cambridge <ul style="list-style-type: none"> <li>• Keynote address: Dr Faiz Sherman, Procter &amp; Gamble and University of Cincinnati <i>Do sensors have a place in consumer packaged goods</i></li> <li>• Welcome to day 2 by Chris Rider, EPSRC Centre Director</li> <li>• Poster prize presentation</li> </ul>		Auditorium
09:55 - 10:20	Tea/coffee break		Dining Hall
10:20 - 12:20	<b>Session 6: Internet of Things and sensors</b> <b>Chair:</b> Prof. Mike Turner, University of Manchester <i>Auditorium</i> <ol style="list-style-type: none"> <li>1. Invited speaker: Prof. Harri Kopola, VTT <i>Technologies towards Digital Paradise</i></li> <li>2. Dr Tiziano Agostinelli, FlexEnable <i>Activating surfaces: Flexible electronics for large-area sensors</i></li> <li>3. Dr Ehsan Danesh, University of Manchester <i>Fully solution-processed OFET platform for vapour sensing applications</i></li> <li>4. Dr Michael Renn, Optomec <i>Aerosol jet printing of antenna and sensors for IoT</i></li> </ol>	<b>Session 7: Bio-electronics for smart wearable and implantable medical devices</b> <i>Umney Theatre</i> <b>Chair:</b> Prof. Don Lupo, Tampere University of Technology <ol style="list-style-type: none"> <li>1. Invited speaker: Prof. Magnus Berggren, Linköping University <i>Organic bioelectronics- new tools for medicine and biology</i></li> <li>2. Invited speaker: Prof. Stephanie Lacour, EPFL <i>Soft bioelectronics for robotics and neuroprosthetics</i></li> <li>3. Invited speaker: Dr Roy Katso, GlaxoSmithKline <i>The opportunities of bioelectronics medicines as a treatment paradigm</i></li> <li>4. Prof. Matti Mäntysalo, Tampere University of Technology <i>Printed epidermal electronics</i></li> </ol>	
12:20 - 13:30	Lunch, posters and exhibition		Dining Hall
13:30 - 16:00	<b>Session 8: Manufacturing technologies 2</b> <i>Auditorium</i> <b>Chair:</b> Prof. Tim Claypole, WCPC, Swansea University Invited speaker: Prof Rhodri Williams, Swansea University <i>Advanced rheology for printing large area electronics</i> <ol style="list-style-type: none"> <li>5. Dr Dana Borsa, Meyer Burger <i>Manipulation and control of spatial ALD layers for flexible devices</i></li> <li>6. Dr Dimitra Georgiadou, Imperial College London <i>Assessing the scalability of adhesion lithography towards highly efficient co-planar nanogap rectifying diodes</i></li> <li>7. Dr David Bird, CPI <i>Production and measurement of roll-to-roll ALD barriers for electronic applications; results from FP7 projects R2R-CIGS and NanoMend</i></li> <li>8. Dr Daniel O'Connor, National Physical Laboratory <i>Implementation of a linear optical encoder for high precision in line position referencing of plastic film in a roll-to-roll system</i></li> </ol>	<b>Workshop: Lasers for additive and subtractive LAE manufacturing</b> <i>Umney Theatre</i> <b>Chair:</b> Dr Dimitris Karnakis, Oxford Lasers <ol style="list-style-type: none"> <li>1. Prof. Ioanna Zergioti, National Technical University of Athens <i>Laser direct writing of large area electronics on flexible substrates</i></li> <li>2. Dr Emeric Biver, Oxford Lasers <i>Recent advances in laser processes to print electrical connections: towards industrialization</i></li> <li>3. Dr Adam Brunton, M-Solv <i>Laser and inkjet tools for large area electronics manufacturing</i></li> <li>4. Dr Demosthenes Koutsogeorgis, Nottingham Trent University <i>Laser annealing of indium gallium zinc oxide: A platform towards flexible and large area processing of thin film transistors</i></li> <li>5. Panel discussion: <i>Laser microfabrication in flexible electronics: what opportunities and how to scale up for mass market applications?</i> (Moderator: Prof. Bill O'Neill, University of Cambridge)</li> </ol>	
16:00	Concluding remarks (Dr Luigi Occhipinti, Conference Chair)		Auditorium