### Day 1

**08:30-09:00**  
Registration, tea/coffee on arrival  
*Dining Hall*

**09:00 – 10:00**  
Conference opening (plenary)  
*Auditorium*  
- Introduction by Chris Rider, EPSRC Centre Director  
- Keynote address: Prof. Donal Bradley, University of Oxford  
  *Plastic electronics: electrode materials, injection layers and solution processed small molecule OLEDs*

**10:00 – 10:30**  
Tea/coffee break  
*Dining Hall*

**10:30 – 12:30**  
Session 1: Integrated smart systems, devices and circuits  
*Auditorium*  
Chair: Prof. Henning Sirringhaus, University of Cambridge  
1. Invited speaker: Dr Martina Pintani, Cambridge Display Technology  
   *Solution processed electronic devices at CDT: overview of technology platforms and current performance*  
2. Dr Vincenzo Pecunia, University of Cambridge  
   *Solution-based hybrid organic/metal-oxide integration for complementary circuits on foil*  
3. Dr Simon Ogier, NeuDrive  
   *0.5MHz 5 stage ring oscillator circuits and low cost customization technologies for organic logic devices*  
4. Dr Xiaojun Guo, Shanghai Jiao Tong University  
   *Printable organic transistor technology platform for expanding “More than Moore”*

**12:30 – 14:00**  
Lunch, posters and exhibition  
*Dining Hall*

**14:00 – 16:00**  
Session 3: Energy harvesting and storage  
*Auditorium*  
Chair: Cathy Curling, Curling Consulting  
1. Invited speaker: Prof. Henry Snaith, University of Oxford  
2. Dr Jenny Baker, SPECIFIC  
   *Printing of graphene nanoplatelets as low cost electro-catalysts for dye sensitised solar cells*  
3. Dr Youmna Mouhammad, University of Swansea  
   *Mass volume printing of energy harvesting device: development of antenna and tunable capacitor system*  
4. Dr Pritesh Hiralal, University of Cambridge  
   *Powering the internet of things: screen printed batteries*  

**16:00 – 16:30**  
Tea/coffee break  
*Dining Hall*

**16:30 – 18:10**  
Session 4: Emerging materials for organic electronics  
*Umney Theatre*  
Chair: Dr Ravinder Dahiya, University of Glasgow  
1. Harry Cronin, DZP Technologies  
   *Novel low-cost conductive layers for printed electronics*  
2. Dr Iyad Nasrallah, University of Cambridge  
   *Towards highly stable polymer electronics*  
3. Dr Sheida Faraji, University of Manchester  
   *Solution-processed high-k nanocomposite gate dielectrics for use in low-voltage field-effect transistors (OFETs): Studying the influence of surface functionalisation of nanoparticles*  
4. Dr Emre Polat, University of Glasgow  
   *Synthesis of large area graphene for high performance in flexible opto-electronic devices*  

**18:10 – 19:10**  
Drinks reception and poster session  
*Dining Hall*

**19:30**  
Gala dinner at Selwyn College
<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td><strong>08:30 - 09:00</strong></td>
<td>Tea/coffee</td>
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<tr>
<td><strong>09:00 - 09:55</strong></td>
<td>Plenary session&lt;br&gt;Chair: Dr Luigi Occhipinti, University of Cambridge&lt;br&gt;- Keynote address: Dr Faiz Sherman, Procter &amp; Gamble and University of Cincinnati&lt;br&gt;- Welcome to day 2 by Chris Rider, EPSRC Centre Director&lt;br&gt;- Poster prize presentation</td>
<td>Auditorium</td>
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<td><strong>09:55 - 10:20</strong></td>
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<td><strong>10:20 - 12:20</strong></td>
<td>Session 6: Internet of Things and sensors &lt;br&gt;Chair: Prof. Mike Turner, University of Manchester&lt;br&gt;1. Invited speaker: Prof. Harri Kopola, VTT Technologies towards Digital Paradise&lt;br&gt;2. Dr Tiziano Agostinelli, FlexEnable Activating surfaces: Flexible electronics for large-area sensors&lt;br&gt;3. Dr Ehsan Danesh, University of Manchester Fully solution-processed OFET platform for vapour sensing applications&lt;br&gt;4. Dr Michael Renn, Optomec Aerosol jet printing of antenna and sensors for IoT</td>
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<td><strong>13:30 - 16:00</strong></td>
<td>Session 8: Manufacturing technologies 2&lt;br&gt;Chair: Prof. Tim Claypole, WCPC, Swansea University Invited speaker: Prof. Rhodri Williams, Swansea University Advanced rheology for printing large area electronics&lt;br&gt;5. Dr Dana Borsa, Meyer Burger Manipulation and control of spatial ALD layers for flexible devices&lt;br&gt;6. Dr Dimitra Georgiadou, Imperial College London Assessing the scalability of adhesion lithography towards highly efficient co-planar nanogap rectifying diodes&lt;br&gt;7. Dr David Bird, CPI Production and measurement of roll-to-roll ALD barriers for electronic applications; results from FP7 projects R2R-CIGS and NanoMend&lt;br&gt;8. Dr Daniel O’Connor, National Physical Laboratory Implementation of a linear optical encoder for high precision in line position referencing of plastic film in a roll-to-roll system</td>
<td>Auditorium</td>
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<td>Concluding remarks (Dr Luigi Occhipinti, Conference Chair)</td>
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<td><strong>Session 7: Bio-electronics for smart wearable and implantable medical devices</strong>&lt;br&gt;Chair: Prof. Don Lupo, Tampere University of Technology&lt;br&gt;1. Invited speaker: Prof. Magnus Berggren, Linköping University Organic bioelectronics- new tools for medicine and biology&lt;br&gt;2. Invited speaker: Prof. Stephanie Lacour, EPFL Soft bioelectronics for robotics and neuroprosthetics&lt;br&gt;3. Invited speaker: Dr Roy Katso, GlaxoSmithKline The opportunities of bioelectronics medicines as a treatment paradigm&lt;br&gt;4. Prof. Matti Mantysalo, Tampere University of Technology Printed epidermal electronics</td>
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<td><strong>Workshop: Lasers for additive and subtractive LAE manufacturing</strong>&lt;br&gt;Chair: Dr Dimitris Karnakis, Oxford Lasers&lt;br&gt;1. Prof. Ioanna Zergioti, National Technical University of Athens Laser direct writing of large area electronics on flexible substrates&lt;br&gt;2. Dr Emeric Biver, Oxford Lasers Recent advances in laser processes to print electrical connections: towards industrialization&lt;br&gt;3. Dr Adam Brunton, M-Solv Laser and inkjet tools for large area electronics manufacturing&lt;br&gt;4. Dr Demosthenes Koutsogeorgis, Nottingham Trent University Laser annealing of indium gallium zinc oxide: A platform towards flexible and large area processing of thin film transistors&lt;br&gt;5. Panel discussion: Laser microfabrication in flexible electronics: what opportunities and how to scale up for mass market applications? (Moderator: Prof. Bill O’Neill, University of Cambridge)</td>
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