

# Large-Area Electronics

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## ENERGY HARVESTING SYSTEMS WORKSHOP

The EPSRC Centre is holding a strategic roadmapping workshop on high-volume manufacturing of energy harvesting systems on 4 June 2014.

Energy harvesting systems are gaining traction in a wide range of applications as a means to reduce battery size and lengthen battery life or as a means of eliminating the use of primary batteries altogether. Applications include building automation and the smart home, wireless sensing systems in transport and construction, and intelligent packaging. The EPSRC Centre has a vision to employ printing as part of a high-volume manufacturing approach to produce complete energy harvesting systems at a price point that will enable use in mass markets. It now wishes to understand the dynamics of the regulatory, materials, technology, manufacturing, commercial and competitive landscapes in order to define an effective programme of work within the EPSRC Centre.

The workshop's scope will address all the components of a complete "power module" based on photovoltaic and RF energy harvesting principles. Piezoelectric energy harvesters that can be implemented almost entirely in MEMs and silicon fabs are out of scope, but piezo systems where it is clear that a significant part of the system can be produced by printing are in scope.

A significant part of the workshop will focus on the system components: harvesting element, charging circuit, rechargeable storage element (secondary battery or supercapacitor), short-circuit and overvoltage protection, voltage converter, maximum power point tracking.

Admission to this event is by invitation only and numbers will be limited to a small number of experts in the technology together with potential end-users and manufacturers. If you feel that your expertise or commercial interest is relevant to the topic and would like to receive an invitation to participate, please contact us at [info@largeareaelectronics.org](mailto:info@largeareaelectronics.org).

### DATE

4 June 2014

### TIME

9:00-9:30 morning tea/coffee

9:30-17:00 workshop (including lunch)

### VENUE

Hilton London Euston  
17 - 18 Upper Woburn Place  
London WC1H 0HT  
5 min walk from Euston station  
10 min walk from King's Cross station

