

Energy Harvesting

An EPSRC Funded Network

www.eh-network.org

Energy Harvesting 2013

Monday, 25th March 2013

The UK's Energy Harvesting Network has organised a one day colloquium reporting the latest developments in energy harvesting from both academia and industry. The event will present the latest technical developments in materials and devices together with example case studies of vibration and thermal energy harvesting in real



world applications. The event is ideal for anyone working in the area of energy harvesting devices and the systems they power or considering the use of energy harvesting in practical applications. For full details please visit:

<http://eh-network.org/events/eh2013.php>

Registration: Registration costs £50, or £25 for registrants from academia. To register, simply email the Network at event@eh-network.org, specifying your name, email and institution/company. We will provide details on how to complete registration by return of email.

Student Posters: The event includes a space for a limited number of student posters, with a £100 Amazon voucher prize for the best poster. Registration is free for students presenting a poster.

Demonstrations: A limited number of tables are also available for exhibiting/demonstrations. For industry, the registration fee for exhibiting is £300, and includes one registration, a table-top exhibition space, and a 5-minute 'elevator pitch' before the lunch break. There is no charge for academic demonstrations, but must be accompanied by at least one registered attendee. Tables and posters will be allocated on a first-come, first-served basis.

Agenda:

9.15	Arrival, Registration and Coffee
09.45	Welcome and Introduction <i>Steve Beeby, University of Southampton</i>
09.50	Keynote: The role of Microenergies: why studying micro energies can push the autonomous sensor market and the future of computing at once. <i>Luca Gammioni, Università di Perugia</i>
10.20	Microfabricated Thermoelectric Devices on Silicon Substrates <i>Douglas Paul, University of Glasgow</i>
10.40	Commercialising your ideas with Knowledge Transfer Partnerships <i>Neil Grice, KTP advisor</i>
10.55	Coffee Break and Networking
11.15	Vibrational Energy Harvesting for Civil Infrastructure Monitoring <i>Ashwin Seshia, Cambridge University</i>
11.35	Piezo Film for Energy Harvesting <i>Richard Brown, Measurement Specialties</i>
11.55	'Elevator Pitches' from Companies with Stands at the Event
12.10	Buffet Lunch and Poster Session
13.40	Keynote: Energy harvester powered sensors: A holistic approach <i>Paul Mitcheson, Imperial College London</i>
14.10	European Thermodynamics <i>Kevin Simpson, European Thermodynamics</i>
14.30	Development of Energy Harvesting Powered Wireless Communication Systems for Energy Autonomous Sensing <i>Meiling Zhu, Cranfield University</i>
14.50	Best Poster Award, Coffee Break and Networking
15.10	Keynote: Energy Harvesting – Progress and Challenges <i>Roy Freeland, President Perpetuum Ltd</i>
15.40	Zinc Oxide Nanorod P-N Junction-Based Piezoelectric Energy Generators <i>Steve Dunn, Queen Mary, University of London</i>
16.00	Piezoelectric energy harvesting at Morgan <i>Frederick Pimparel, Morgan Electroceramics</i>
16.20	End of Event

Venue:

Hamilton House, Mabledon Place, London, WC1H 9BD <http://www.hamilton-house.org.uk/>

Event organised by the University of Southampton on behalf of the Energy Harvesting Network