

## Energy Harvesting Network e-Newsletter

Welcome to the first Energy Harvesting Network Newsletter.

### About the Energy Harvesting Network

The network has been formed to provide a focus for the community and bring researchers, system integrators and end users together in order to drive the expansion of the technology and identify new opportunities and challenges. 82 people from 57 companies and institutions are currently registered with the network. The network steering board has met and we will be announcing our first workshop in the near future. In the meantime, please find details of the resources available on the network website and please take the opportunity to add your research publications, white papers etc. in order to raise awareness of your work within the community.

### Make your Contribution to the Network!

Resources contribution from the members are always welcome. Visit <http://eh-network.org/contribute.php> to make your contribution to the Network. Selected resources will be advertised in the forthcoming Newsletters.

### Selected Resources Recently Added

The Energy Harvesting Network website contains a range of resources that can be contributed by the community. Below are a selection of resources that have been recently added to the website.

Dibin Zhu, Steve Roberts, Michael John Tudor, Steve Beeby, (2010) [Design and experimental characterization of a tunable vibration-based electromagnetic micro-generator](#). In: *Sensors and Actuators A: Physical*, 158 (2). pp. 284-293.

Alex Weddell, Geoff Merrett, Nick Harris, Bashir Al-Hashimi, (2008) [Energy Harvesting and Management for Wireless Autonomous Sensors](#). In: *Measurement + Control*, 41 (4). pp. 104-108. ISSN 0020-2940.

More resources including events, publications, reports and related projects are available on the website <http://eh-network.org/>

### Reports on Recent Hanson Wade Conference: "Energy Harvesting for Wireless Automation"

The Hanson Wade conference on 'Energy Harvesting for Wireless Automation' was held in Munich, Germany on 24-25th May 2010. This event was aimed to accelerate the adaptation of energy harvesting by connecting product developers, energy harvesting device and component manufacturers and end users. The following conference reports were contributed by the EH-Network members.

[Notes from Hanson Wade EH Conference](#) by Alex Weddell, (Informal notes on the technical presentations).

[Hanson Wade Conference Blog](#) by Simon Aliwell, (Blog discussing progress and trends in energy harvesting).

### Upcoming Event: IDTechEx "Energy Harvesting and Storage Europe" Conference

The IDTechEx "Energy Harvesting & Storage Europe" and "Wireless Sensor Network & RTLS" 2010 events are being held in Munich, Germany on 26-27 May 2010. We have agreed a **60% discount for EH Network members**. This is the premier European event dedicated to energy harvesting and wireless sensing and locating technologies incorporating a two-day conference and exhibition, six interactive Masterclass, tours to local organisations, an Awards Dinner and many networking opportunities. Focusing on the uses, potential users and market forecasts as well as giving the latest technology developments and trends, this is the place to move your knowledge and business to the next level. Visit [www.IDTechEx.com/Munich](http://www.IDTechEx.com/Munich) for more information and to register.

*Can't make it to Munich?*

Following our hugely successful Denver event in 2009, this event will also be held in Boston, USA on 16-17 November 2010 - [www.IDTechEx.com/Boston](http://www.IDTechEx.com/Boston).

### Upcoming Event: "Power Management Technologies" Conference

Wireless micro-autonomous systems with severe volume constraints present significant challenges to the design of power sources that meet the requirements of key application scenarios. State-of-art power sources often fail to meet such requirements and while energy harvesters provide a promising alternative, interfacing them properly remains a key issue. This one day event organised by the Sensors & Instrumentation KTN and Electronics KTN on 27th May 2010 at NPL (Teddington, UK) aims to explore the design opportunities provided by power management concepts and optimisation strategies that are applicable to the scale of micro-autonomous systems. The results of a recently conducted survey on power management technologies will also be disseminated. Visit <http://tinyurl.com/ktnpmc> for more information and to register. A discount rate of GBP50+VAT applies till 9th May 2010.

**The EH Network Management**  
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