

Energy Harvesting

An EPSRC Funded Network
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2nd Energy Harvesting Research Theme Workshop - Structural Monitoring

04 May 2011

TRW Conekt, Solihull

This workshop is designed to help facilitate the definition of a number of new research challenges and to catalyse the creation of multidisciplinary teams to address them. The agenda includes short presentations to get delegates thinking about the challenges of using energy harvesting to power the monitoring of structures such as buildings, bridges, tunnels and other fixed infrastructure. The facilitated workshop sessions will debate the specific technology developments and scientific advances that will be needed to realise the vision of these applications.

Agenda

9.30	Registration & coffee
10.00	Introduction - What are we trying to do and what is the process? <i>Roger Hazeldon, TRW Conekt</i>
10.10	Key Note Talk - Title to be Confirmed <i>Dr Kenichi Soga, University of Cambridge</i>
10.40	Roadmap Vision & Drivers <i>Simon Aliwell/Costis Kompis</i>
11:00	Coffee Break
11.20	The Design Issues and use of Wireless Energy Harvesting Devices for Maintenance Free Building Monitoring <i>John Corbett, EnOcean GmbH</i>
11.40	Facilitated Workshop - Technological Advances to Realise the Vision <i>Small Groups</i>
12:40	Lunch and Networking
13:40	SHM Demonstrator at NPL: Two Years of Monitoring Experience and Future Challenges <i>Elena Barton, National Physical Laboratory</i>
14.00	Addressing Power Requirements in Structural Monitoring Now and in the Future <i>Nick Baker, Adaptive Wireless</i>
14.20	Facilitated Workshop - Underpinning Science and Engineering to Realise the Vision <i>Small Groups</i>
15:50	Wrap up and Next Steps
16.00	Close

The workshop is by *invitation only* to ensure a high quality of interaction. To apply for an invitation, please email workshop@eh-network.org briefly saying what you would be able to bring to the discussion.