

The **Intelligent ICT Solutions** Innovation Club
University of Birmingham

Intelligent Energy Monitoring *Can we make smart meters smarter?*

Hosted by
Cercia, School of Computer Science, University of Birmingham
20th September 2007, 10:00-16:00

A recent UK government energy white paper outlined the importance of advanced metering systems in improving energy efficiency by providing an understanding of energy consumption through smart metering. However, it is not clear how the large amount of data captured from these meters is actually going to be used. For example, a site like the University of Birmingham will have significantly more than 500 streams of data, each of which should be checked at least daily in order to ensure problems are spotted early. The aim of this event is to address these issues and the challenges faced by both customers and service providers of smart metering and explore potential future directions for Computational Intelligence techniques in this area.

Schedule:

- | | |
|-------|---|
| 10:00 | Arrive/Coffee |
| 10:30 | Richard Leary – COG Chair for ICT cluster
Introduction: <i>Today is my favourite day</i> |
| 10:40 | Tim Clarke – The Regional Innovation Company
Dealing with Detailed Energy Consumption Data from Multiple Businesses within a Geographic Cluster |
| 11:10 | Kris Szajdzicki - Northern Design Meters
Advanced Metering Systems Across the Internet |
| 11:40 | Thorsten Schnier – Cercia
What Can We Do With All This Data? Computational Intelligence for Energy Data Analysis |
| 12:10 | Lunch |
| 13:00 | Vilnis Vesma - NIFES Energy Consultancy
Hidden Avoidable Waste |
| 13:30 | W H Tang - University of Liverpool
Intelligent Condition Monitoring for Power Apparatus |
| 14:00 | Xiaoli Li – Cercia
Automated Condition Monitoring in Cercia |
| 14:30 | Coffee |
| 15:00 | Workshop – The Future of Energy Management |
| 16:00 | Finish |

To register contact:

Vish Madhugiri

Cercia | School of Computer Science | The University of Birmingham | Edgbaston | Birmingham | B15 2TT
Phone: +44 (0)121 415 8722 | Fax: +44 (0)121 414 2799 | Email: vxm@cercia.ac.uk

More information about Cercia and their work can be found at www.cercia.ac.uk

