

Workshop on Ubiquitous Computing and e-Research

4th UK UbiNet Workshop, in conjunction with the UK e-Science Programme, 18-19 May 2005

Wednesday 18th

- 10.30 Welcome, background and objectives, David De Roure
Setting the scene *Chair: Ian Marshall*
- 11.00 Environmental e-Science, Tom Rodden
- 11.20 FireGrid, Dave Berry
- 11.40 Data-Intensive Ubiquitous Computing Needs the Grid, Erica Y. Yang Jie Xu, University of Leeds
- 11.50 Extending the MIAS-Equator Toolkit to Intermittently Available Network Environments Alastair Hampshire, Chris Greenhalgh, University of Nottingham
- 12.00 *discussion*
- 12.30 lunch
GGF Update *Chair: David De Roure*
- 13.30 Appliance Aggregation, Dimitris Lioupis
- 13.50 UbiGrid, Oliver Storz
Users and applications *Chair: Tom Rodden*
- 14.05 Smart Laboratories to Smart Papers, Jeremy Frey
- 14.25 The myTea project: transparent interaction for eScience support, monica m.c. schraefel
- 14.45 *Discussion*
- 15.00 Coffee
Infrastructure techniques *Chair: Peter Dickman*
- 15.30 Resource Management Strategies for Sensor Network Ensembles, Omer Rana
- 15.50 Self-organisation in Environmental Sensor Networks, Ian Marshall
- 16.10 Energy Efficient Distributed Index for Large Scale Sensor Networks, Vladimir Dyo and Cecilia Mascolo, University College London
- 16.20 A Middleware Approach for Pervasive Grid Environments, Geoff Coulson, Paul Grace, Gordon Blair, David Duce, Chris Cooper, Musbah Sagar, Lancaster University and Oxford Brookes University
- 16.30 *Discussion*
- 17.00 *close of first day*
- 19.30 *workshop meal*

Thursday 19th

Mobility *Chair: Omer Rana*

- 9.00 The SENSE project, Danae Stanton Fraser
- 9.20 Mobile Pollution Mapping in the City, Paul Rudman, Steve North, Matthew Chalmers University of Glasgow
- 9.30 Ad hoc Sensor Networks on the Road, : the promises and challenges of vehicular ad hoc networks. Maziar Nekovee, Mobility Research Centre, BT Research
- 9.40 The Potential of Grid for Mobile e-Learning, David E. Millard, Arouna Woukeu, Feng Tao, Hugh C. Davis University of Southampton
- Other Positions**
- 9.50 Composing Grid Services through Natural Language, Ian Wakeman, David Weir, Bill Keller, Julie Weeds, Tim Owen, University of Sussex
- 10.00 Service Composition in Ontology enabled Service Oriented Architecture for Pervasive Computing, Qun Ni, Imperial College London
- 10.10 Coffee
- 10.30 **Panel Discussion** led by Peter Dickman
- 11.30 Action Plan
- 12.00 *close of workshop and lunch*