

How new technologies can enhance research and collaboration

A JISC roadshow for research

Friday 19 February 2010 9.30 am– 3.15pm

Seminar Room 1, Aldham Roberts Learning Resource Centre,
Liverpool John Moores University

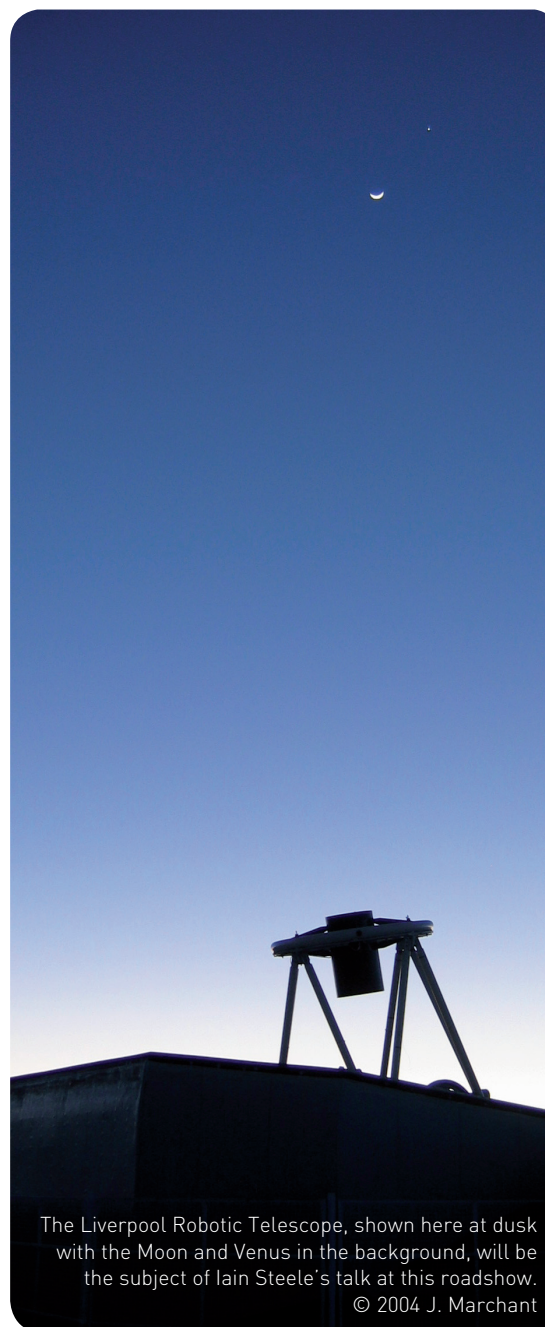
Advances in networks and new ways to access services and data are having a profound effect on the research that can be done and the way researchers work across all disciplines. This **JISC-sponsored** roadshow for researchers and those providing IT support, will introduce some of the infrastructure and Web 2.0 tools available to help researchers collaborate in teams spanning disciplinary, institutional and/or national boundaries.

We will hear about the development of virtual research environments to support all stages of the research lifecycle and from researchers at Liverpool John Moores University (LJMU) about their experiences using, developing or evaluating some of these tools or techniques.

Speakers include Dr David Fergusson, Deputy Director, Training, Outreach and Education, the National e-Science Centre, Patrick Carmichael, Professor of Educational Research, LJMU and Iain Steele, Professor of Astronomical Techniques, LJMU, and director of the Liverpool Telescope.

Demonstrations and videos over lunch will showcase local initiatives and examples of the use of e-infrastructure and Virtual Research Environments across different disciplines. The day will end with a panel discussion on how to take advantage of new technologies to enhance research.

Buffet lunch will be provided



The Liverpool Robotic Telescope, shown here at dusk with the Moon and Venus in the background, will be the subject of Iain Steele's talk at this roadshow.
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Programme

- 09:30-10:00 Arrival and refreshments
- 10:00-10:10 **Welcome:** Professor Andy Young, Director of Research, LJMU
- 10:10-10:40 **Introduction to e-research and overview of the e-infrastructure for large-scale collaborations:** Dr David Fergusson, National e-Science Centre, University of Edinburgh
- 10:40-11:00 **The JISC Virtual Research Environment programme**
- 11:00-11:10 Questions
- 11:10-11:30 Break
- 11:30-12:30 **Academic Networking: How can Web 2.0 technologies enhance Virtual Research Environments?:** Professor Patrick Carmichael, LJMU
- 12:30-12:40 Introduction to the lunchtime demonstrations
- 12:40-14:00 Lunch and demonstrations: MyExperiment, iMedia Lab, Symplectic software [LJMU Research Publications database], JISC videos on virtual research environments and e-infrastructure use cases
- 14:00-14:30 **e-Science projects:** Professor Iain Steele, LJMU
- 14:30-15:00 **Semantic Technologies for the Enhancement of Teaching and Learning in Higher Education:** Professor Patrick Carmichael, LJMU
- 15:00-15:30 **Panel discussion session:** How can early career researchers take advantage of new technologies to enhance research?