



The Faculty of IT and the Monash e-Research Centre
are proud to present the following seminar - part of the
High Definition interactive video links of
MURPA Seminar Series 2010

Science Gateways and Their Tremendous Potential for Science and Engineering Presented by Prof Nancy Wilkins-Diehr

TeraGrid Area Director for Science Gateways,
San Diego Supercomputer Center - Biography: <http://users.sdsc.edu/~wilkins/>

"The increasingly digital component of science today poses exciting challenges and opportunities for researchers. Whether it's streaming data from sensors, to computations simulating the formation of tornadoes, the tagging and sharing of complex multimodal video, audio and biological data in the study of language patterns, or the use of geographic information systems to anticipate the spread of disease, the challenges are enormous and continue to grow. The existence of advanced cyberinfrastructure (CI) tools, or science gateways, can significantly increase the productivity of researchers facing difficult challenges. - In some cases making the impossible possible. Since 2004, the TeraGrid 'Science Gateways' program has been working to incorporate high end resources through these community-designed interfaces."

Date: Friday 12 March
Time: 10am-11am
Location: Seminar Room 135, Building 26,
Clayton campus

Registration by 11 March: Rob.Gray@infotech.monash.edu.au

MURPA Seminar Series 2010

Monash Undergraduate Research Projects Abroad (MURPA) supports a unique summer mode placement in a leading research group overseas. It not only provides a research experience at the undergraduate level, but does this in an international context. Students are placed for a period of eight weeks allowing them to integrate into the research groups as team members.

MURPA also involves an advanced seminar scheme, in which students can attend seminars given by world leading experts before they leave. The seminar scheme is novel, because it uses a cutting edge High Definition interactive video links with the University of California - and often simultaneous links to Japan - making it feasible to attract some of the world's best researchers "virtually" to Monash. These seminars also allow students to "meet" potential UCSD mentors and obtain information about possible projects.

<https://messagelab.monash.edu.au/MURPA/MURPA2010>