



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 2009

# Introduction to the PRAGMA e-Science Grid Presented by Cindy Zheng

**Grid Engineer, University of California San Diego**  
(Biography: <https://messagelab.monash.edu.au/MURPA/CindyZheng>)

"This talk will introduce PRAGMA grid, describe its coordination, design and implementation. Applications in genomics, quantum mechanics, climate simulation, organic chemistry and molecular simulation have driven the middleware requirements, and the PRAGMA grid provides a mechanism for science and technology teams to collaborate, for grids to interoperate and for international users to share software beyond the essential, de facto standard Globus core.

We describe how human factors, resource availability and performance issues have affected the middleware, applications and the grid design."

**Date:** 9 April  
**Time:** 10am-11am  
**Location:** Seminar Room 135, Building 26,  
Clayton campus

## MURPA Seminar Series 2009

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 that 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 link to the University of California, 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 get some information about potential projects.

<https://messagelab.monash.edu.au/MURPA/MURPA2009>

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