



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

Exploring OptiPortals as Petascale Simulation End Stations Presented by Mike Norman

Chief Scientific Officer, San Diego Supercomputer Center

(Biography: <https://messagelab.monash.edu.au/MURPA/MikeNorman>)

" We are exploring the potential of OptiPortals to serve as visualization and analysis end stations for multi TB data sets arising from petascale simulations carried out on Tera Grid resources principally the Track 2 systems at TACC and NICS. OptiPortals, developed by CalIT2, are scalable display walls tightly integrated with a specially configured Rocks - managed Linux cluster and driven by optical lambdas connected to local and/or remote disk caches. Up until now, OptiPortals have been mainly used for displaying data from instruments, as well as remote collaboration portals. The Laboratory for Computational Astrophysics and SDSC, working in collaboration with CalIT2, have begun a 12 month pilot project in which an OptiPortal will be built and integrated into the TeraGrid. As an initial application driver, we will focus on ENZO data which is being produced at prodigious rates (10's TB/mo.) on both Ranger and Kraken through the PI's LRAC allocation."

Date: 7 May
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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