



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

CHOIS in CHIPS - Global Connections with Child Health Informatics and High Performance Computing By Dr Radha Nandkumar

Director of International and Campus Relations and Senior Research Scientist
at NCSA Visit: <http://www.ncsa.illinois.edu/>

Dr. Radha Nandkumar will describe the power and potential of high performance computing and information technology and their impact on society at large. She will discuss some work in progress in 'Child Health Informatics Projects' (CHIPs) that began as a pilot project on 'Child Health and Obesity Informatics System' (CHOIS), initiated by Dr. Nandkumar as a multi-institutional inter-disciplinary collaborative activity.

While obesity in children is a growing epidemic in the USA, in other parts of the world, especially in impoverished societies and in developing countries, stunted growth and malnutrition are prevalent. She will outline the goal of these child health informatics projects for extending the infrastructure to include, and make improvements to, the health and fitness surveillance of children around the world.

Biography:

Dr Nandkumar is the Director of International and Campus Relations and is a Senior Research Scientist at NCSA. She serves on the advisory boards of multiple academic HPC institutions around the world. She holds a Ph.D. in Physics from UIUC. She has an Executive MBA, from the University of Illinois.

Date: Friday, 15 October
Time: 9am-10am (coffee from 8.45am)
Location: Seminar Room 135, Building 26,
Clayton campus

Registration by 14 Oct:

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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 cutting edge High Definition interactive video links with the University of California and recently the University of Illinois - 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.