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High Definition interactive video links of  
MURPA Seminar Series 2009

# On Basics of Using Workflows for Scientific Exploration, and the Kepler System Presented by Ilkay Altintas

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(Biography: <http://users.sdsc.edu/~altintas/>)

“Why do we need to know about scientific workflows? Science is changing. As technology changes and data streams accelerate, we need to accommodate to the new pace of scientific exploration. At each step along the scientific investigation process, technology can help us automate some elements. Workflows help scientists to organise and automate both sequential and parallel elements of data acquisition, access, management, sharing and analysis processes. This seminar will introduce useful tools for managing scientific workflows involving multiple types of investigatory tasks, from data acquisition to simulations. - Kepler workflow system will be introduced as we highlight the use of some of the current features of Kepler in several scientific applications, as well as upcoming extensions and improvements.”

**Date:** 26 March  
**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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