



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

Augmented Reality By Dr Alan Craig

Associate Director for Human-Computer Interaction for the Institute for Computing in Humanities, Arts, and Social Science at NCSA, University of Illinois. Biography: <https://messagelab.monash.edu.au/AlanCraigMURPA2010>

Augmented Reality has turned the corner from a laboratory novelty to a useful way of interacting with digital information in the real world. Augmented Reality (AR) is a low-cost technology that enables the merging of printed materials with dynamic, 3D computer graphics superimposed on the real world, and in registration with the real world. Augmented Reality can be supported through various technological platforms that include a camera, a processor, and a display. - It can be used with see-through head mounted displays, a laptop with a webcam, or more recently with a smart phone.

Augmented Reality works by using computer vision techniques to recognize some visual feature, such as a face, a geographic reference point, or a specially created fiducial marker. Then, based on what the camera sees, the system displays a 3D graphical object that is orientated appropriately for the location of the camera with respect to the scene.

Augmented Reality has been applied in medicine, science, entertainment, history and social science. In this talk I will address what Augmented Reality is, how it works, how it relates to other technologies such as virtual reality and telepresence, and discuss application areas. (Visit: <http://www.chass.illinois.edu/Home/Home.html>)

Date: Friday, 1 October
Time: 9am-10am (coffee from 8.45am)
Location: Seminar Room 135, Building 26,
Clayton campus

Registration by 30 Sept: 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 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>