

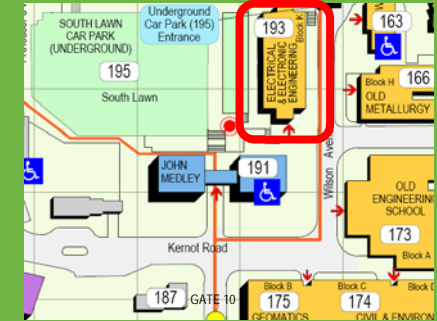
Details available online at http://nicta.com.au/director/mediacentre/events_calendar/vrlss.cfm

National ICT Australia invites you to the Victoria Research Laboratory Big Picture Seminar Series Wednesday Sept. 20, 2006

The talk will be followed by light refreshments and an opportunity to meet the speaker.

REGISTRATION IS ESSENTIAL FOR THIS FREE EVENT
RSVP to vrlss@nicta.com.au by Friday September 15, 2006

Public Parking is available at an hourly rate at the University Square car park. Enter via Bouverie Street. Local street parking is also available.



When: 4-5pm, Wed. September 20 2006 **Where:** Brown Theatre, Electrical & Electronic Engineering (Building 193), University of Melbourne, Parkville

Matthew Bailes, Director of the Centre for Astrophysics & Supercomputing, Swinburne University of Technology Astronomical Supercomputing, the Grid and Supercomputing in the Classroom

ABSTRACT

The audience will be taken on a virtual tour of the Universe using custom outreach virtual reality software to learn about naturally-occurring radio emission in the Universe. They will then be shown that modern radio telescopes are nothing more than bit-collectors, and how a distributed supercomputing grid can aid in modern experiments used in tests of General Relativity. Finally, an ambitious future plan to create a Victorian School Computing Grid for research and education will be discussed, and how this might mesh with massive computational problems faced by researchers.

BIOGRAPHY

Professor Matthew Bailes is the founding Director of the Swinburne Centre for Astrophysics and Supercomputing, a Tier 1 research centre at Swinburne University of Technology. Professor Bailes obtained his PhD at ANU before working at NASA, the University of Manchester, the CSIRO's Australia Telescope, and the University of Melbourne. He is the co-discoverer of over 200 radio pulsars, relativistic objects that inhabit our Galaxy. Swinburne has pioneered the introduction of an Internet course in astronomy, and developed low-cost virtual reality educational and outreach facilities that are deployed in many countries around the world.

