

REGISTRATION IS FREE!

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

National ICT Australia invites you to a talk presented as part of the Victoria Research Laboratory Seminar Series. Thursday Nov. 24, 2005

Details available online at
<http://www.ee.unimelb.edu.au/research/nicta/seminars/vrl/index.html>

When:
4-5pm, Thursday Nov. 24, 2005

RSVP:
✉ vrlss@nicta.com.au or
☎ 8344 4987
by Tuesday, Nov. 22, 2005

Where:
Theatre A
Elizabeth Murdoch Bldg
Building 134 (Swanston St)
University of Melbourne
MELWAYS Map 2B Ref E6



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

Richard Newton Roy W. Carlson Prof. of Engineering, University of California, Berkeley

Great Works for the 21st Century: A Critical Role for the Modern Research University

ABSTRACT: As we enter the 21st century, our world faces enormous social, technological, and political challenges. Over one billion people still lack access to clean drinking water. Stabilizing global warming at 2°C requires 30-60 Terawatts of carbon-free power by 2050. As daunting as these challenges seem, we must remember that individuals, governments, and foundations are capable of “great works” that lead to economic and social progress and improvements in our quality of life. In this presentation I will describe “The Three E’s”—a set of candidate Great Works for the 21st Century and will sketch an outline of how the world’s leading research universities could develop a unique, international public-private partnership to tackle them.

BIOGRAPHY: Born and raised in Melbourne, Richard Newton joined the faculty at Berkeley in 1979, where he is currently Dean of the College of Engineering. He is also cofounder of a number of high technology companies, including Cadence Design Systems, Synopsys, Simplex Solutions, and Crossbow. Professor Newton has received numerous awards for his research and teaching, including the 2003 Phil Kaufman Award for his research and entrepreneurial contributions to the electronic design automation industry. Since 1997, he has been a member of the Technical Advisory Board of the Microsoft Research Laboratories. Professor Newton also serves on the Board of Trustees for the Anita Borg Institute for Women and Technology. He is a Member of the ACM, a Fellow of the IEEE, and a member of the US National Academy of Engineering.

