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**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 February 2, 2006


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

When:
4-5pm, Thursday
February 2, 2006

RSVP:
Email vrlss@nicta.com.au
By Monday January 30, 2006

Where:
**Theatre 1 – ICT Building**
**111 Barry Street**
**University of Melbourne**
**MELWAYS Map 2B Ref C8**

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

## Philip Wadler Professor of Theoretical Computer Science, University of Edinburgh

## Links: Linking Theory to Practice for the Web

ABSTRACT: e-Commerce, e-Government, e-Science - the coining of such words reflects the growing importance of the World Wide Web in all aspects of our lives. A typical web program involves three tiers: a browser running on your computer; a server controlling your interaction with the web site; and a database providing the information you wish to access. The tiers are written in different languages, and there is currently no easy way to interface between them. This is called the *impedance mismatch* problem. Links will solve the impedance mismatch problem by providing a single language for all three tiers, building upon several recent success stories from the application of theory to practice.

BIOGRAPHY: Philip Wadler is Professor of Theoretical Computer Science at the University of Edinburgh. He holds a Royal Society-Wolfson Research Merit Fellowship and is a Fellow of the Royal Society of Edinburgh. Previously, he worked or studied at Avaya Labs, Bell Labs, Glasgow, Chalmers, Oxford, CMU, Xerox Parc, and Stanford, and lectured as a guest professor in Paris, Sydney, and Copenhagen. He appears at position 70 on Citeseer's list of most-cited authors in computer science, is a winner of the POPL Most Influential Paper Award, and served as Editor in Chief of the Journal of Functional Programming. He contributed to the designs of Haskell, Java, and XQuery, and is the co-author of XQuery from the Experts (Addison Wesley, 2004) and Generics and Collections in Java (O'Reilly, forthcoming).