

# NICTA NSW Research Laboratory Big Picture Seminar Series



## Tristram Carfrae of ARUP

**Title:** ICT and the built environment – impact, advances, opportunities

**Abstract:** In this seminar we will explore the impact of ICT within the built environment: buildings, infrastructure, behaviour and informatics. We will also highlight ICT-enabled techniques for virtual optimisation, construction, operation, feedback and operational optimisation of the built environment at building, community and city scales..

**Biography:** Tristram Carfrae is a structural engineer, Principal and Arup Fellow, responsible for the design of an impressive array of award winning buildings. Tristram is behind the design of *The Water Cube* - Beijing's National Aquatics Centre for the 2008 Olympics.

Tristram has collaborated with many of the world's leading architects, including Renzo Piano, Richard Rogers and Philip Cox, on projects where the structural form is itself an aesthetic statement.

Tristram believes that good buildings should consume less materials, energy, time and money while at the same time providing greater amenity. He has a reputation for challenging the established way of doing things, to explore better solutions, moulding both materials and people to his vision.

This unique approach has produced some of the world's most exciting structures including the City of Manchester Stadium, Singapore Expo, Aurora Place in Sydney, Brisbane Convention and Exhibition Centre and San Nicola Stadium in Bari, Italy.

He was also awarded the Milne Medal by the British Group of the International Association for Bridge and Structural Engineering (IABSE). Tristram is named as one of Australia's Top 100 most influential engineers. He was Australian Professional Engineer of the Year in 2001.



NSW Big Picture Seminar information [www.nicta.com.au/nicta\\_events/big\\_picture/nsw\\_seminars](http://www.nicta.com.au/nicta_events/big_picture/nsw_seminars)

From imagination to impact

[www.nicta.com.au](http://www.nicta.com.au)

### Date

Friday, 26 February 2010

### Time

2.30 – 3.30pm

### Venue

NICTA, Seminar Room  
Level 4, 13 Garden Street  
EVELEIGH NSW 2015

[\(find it in google maps\)](#)

# INVITATION