



Langham Hotel, 1 Southgate Avenue, Southbank, Melbourne

## Telecommunications: People-to-people & Machine-to-machine

- Australia has over three million broadband customers but still lags many of its peer countries in both service penetration and speed
- Economic growth is increasingly tied to high speed communication and the use of intelligent wireless devices for efficient manufacturing, monitoring and control of the environment, security and health
- Progress depends on world-leading research and proactive deployment

The **Australian Telecommunication Networks and Applications Conference** is an exciting and dynamic forum for debate and information exchange on the rapidly evolving technologies and industries that drive telecommunications into the twenty first century. ATNAC provides an outstanding opportunity for industry and the research community to gather in one place for three days of intensive presentations and discussions across a wide range of telecommunication activities.

ATNAC 2006 will provide a forum for Australian and international researchers and industry experts in Telecommunications, Networking and Applications to meet and exchange ideas on current issues. The key themes of ATNAC 2006 are:

- **Broadband telecommunications - delivery and evolution**
- **Wireless sensor networks - research and applications**

### Hear top Australian and international Keynote Speakers:

- **Lixia Zhang**, Member of the Internet Architecture Board & Professor of Computer Science, **UCLA, USA**
- **Bruce Hemingway**, Department of Computer Science and Engineering, **University of Washington, USA**
- **Lars Rasmussen**, Network Convenor, ACORN & Research Professor, Telecommunications, **University of South Australia**
- **Rao Kotagiri**, Professor and Head of Department, Computer Science and Software Engineering, **The University of Melbourne**
- **Stuart Milner**, Research Professor and Director Center for Networking of Infrastructure Sensors, A.J. Clark School of Engineering, **University of Maryland, USA**
- **Hugh Bradlow**, Chief Technology Officer, **Telstra**

### Invited researchers and developers will speak about current hot topics:

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|--|---|
| • Tony Coyle, Ericsson                     | Converging mobile & broadband                   |
| • Simon Curry, Intel                       | Mobile wireless broadband                       |
| • Rob Evans, NICTA                         | Wireless sensor networks                        |
| • Colin Goodwin, Fibre-to-the Home Council | Fibre access in the Asia pacific                |
| • Eric Hamilton, Unwired Australia         | Implementing WiMAX in Australia                 |
| • Geoff Huston, APNIC                      | Net neutrality                                  |
| • Kim Byung-Whi, ETRI, Korea               | WDM-PON technology in Korea                     |
| • Toshiaki Kuri, NICT, Japan               | Millimeter wave fibre radio systems             |
| • Ray Owen, Motorola                       | Wireless infrastructure in the developing world |
| • Phillip Stevens, Siemens                 | The future of IP television                     |
| • Stan Skafidas, NICTA                     | Millimeter wave communication                   |
| • Rod Tucker, CUBIN                        | How to build a petabit-per-second router        |

**Tour NICTA Victoria Research Laboratory new Terabit Network Lab.**

**Participate in a Sensor Network Workshop for early career researchers run by the ARC Research Network on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP).**

**In addition, ninety research papers will be presented on the topics of:**

- Access networks
- Security and sensor networks
- Optical networks
- MIMO and OFDM
- TCP and AQM
- Wireless communication systems
- Wireless sensor networks
- Ad hoc networks
- Media services
- Mobile and wireless networks
- Fibre access
- Internet measurements

**Be welcomed in the 25<sup>th</sup> floor Alto room of the luxurious Langham Hotel with magnificent views of the Melbourne CBD.**

**Experience the culinary delights of one of Melbourne’s top restaurants, ZINC at Federation Square.**

## Registration Form

**UPON PAYMENT, THIS REGISTRATION FORM BECOMES A TAX INVOICE ABN: 84002705224**

	Unit Price	Number	Extended Price
<b>Full Registration before 7 November 2006</b> Includes Welcome Reception, Plenary, Technical and Poster sessions, Luncheons and the Conference Dinner and Awards Ceremony and conference proceedings on CD-ROM	\$750	_____	_____
<b>Full Registration after 7 November 2006</b>	\$850	_____	_____
<b>Student Registration before 7 November 2006</b> Includes Welcome Reception, Plenary, Technical and Poster sessions and Luncheons and proceedings on CD-ROM. Tickets to the Conference Dinner and Awards Ceremony can be purchased separately.	\$350	_____	_____
<b>Student Registration after 7 November 2006</b>	\$450	_____	_____
<b>Additional ticket to the Welcome Reception (3 December)</b>	\$60	_____	_____
<b>Additional Ticket to the Conference Dinner and Awards Ceremony</b>	\$80	_____	_____
<b>Printed copy of the published Conference Proceedings</b>	\$80	_____	_____
<b>TOTAL</b>			_____

Title: \_\_\_\_\_ First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Preferred name for badge: \_\_\_\_\_

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**EITHER:** please make a cheque payable to “The University of Melbourne” and post to:  
Anne Lopes, CUBIN, Dept of Elec. Engineering, University of Melbourne, VIC, 3010

OR: please charge \$..... to my:    MasterCard [  ]    Visa [  ]

Card Number: \_\_\_\_\_ Expiry Date:    \_\_/\_\_/\_\_

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This seminar is proudly sponsored by the Australian Research Council Special Research Centre for Ultra Broadband Information Networks (CUBIN), National ICT Australia (NICTA) and The Australian Research Council - Research Network on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP).  
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