



Conference Site

The University of Queensland's St Lucia campus is considered by many to be Australia's most attractive. Located seven kilometres from the city's heart on a magnificent 114-hectare site in a bend of the Brisbane River, the campus has expansive landscaped grounds and many playing fields. Its hub is a semi-circle of cloistered buildings enclosing the National Trust-listed Great Court. The Alumni Teaching Garden in College Road near the river includes a quiet area of lush rainforest with public walkways. The adjacent Una Prentice Memorial Garden, bounded by Robertson Walk and Ferry Walk, surrounds two of the three lakes on campus.

Brisbane City

Brisbane, the capital of Queensland, is midway up the east coast of Australia. With the Gold Coast to the south and the Sunshine Coast to the north, domestic and international airports, Brisbane is an ideal headquarters for an Australian holiday. The inner-city, metropolitan Brisbane is surrounded by leafy, sometimes very hilly, suburbs. Moreton Bay and its island provide water sports, sailing and seaside suburbs. The Pacific Highway leads south to the Gold Coast and its well-known surf beaches. Sunshine Coast stretches from the top of Bribie Island to just north of Noosa. You can also visit the Glasshouse Mountains and the famous Steve Irwin's Australia Zoo.

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For detailed information, and to register please visit our website:

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First call for papers

2004 Conference on Optoelectronic and Microelectronic Materials and Devices

8-10 December 2004

www.commad2004.itee.uq.edu.au



COMMAD 04

8–10 December 2004
Brisbane, Australia



The 2004 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMAD 2004) will be held in Brisbane, Australia, at The University of Queensland, 8–10 December 2004.

This conference is organised biannually and provides a forum for Australian and international semiconductor communities to meet and discuss topics related to microelectronic and optoelectronic materials, processes and devices including nanotechnology. In addition to the conference, a number of topics will be developed into mini courses that will be presented prior to the conference.

Scope of the Conference

The conference covers all aspects of semiconductor science and technology – including growth and characterisation of semiconductor materials and devices, as well as semiconductor processing and novel applications. We invite contributions on a wide variety of topics including, but not limited to the following:

Technologies for Photonics, Microelectronics, and MEMS

- > Epitaxy, bulk growth, substrates
- > Artificial structured materials
- > Synthesis of novel materials systems
- > Electronic, optical and magnetic material properties and characterisation

Electron Devices and Systems

- > Heterostructure transistors, high-speed devices and integrated circuits
- > High power and high temperature semiconductor devices
Sensors
- > Spin injection and novel devices

Photonic Devices and Systems

- > Semiconductor light-emitting devices including:
Tunable Lasers, Vertical-Cavity Surface-Emitting Lasers,
Quantum-Cascade Lasers
- > Detectors, modulators, switches
- > THz and ultrafast phenomena
- > Devices for optical interconnection, OEICs, MEMS
- > Microwave Photonics

Nanotechnology and Nanostructures: Physics and Applications

- > Photonic Bandgap Structures and novel devices based on PBGs
- > Nanophotonic Materials
- > Nanostructure fabrication, self-organised quantum dots
- > Quantum and single-electron devices, novel circuits
- > Physics and properties of ultras-small structures

Organic Photonics and Electronics

- > Linear and Nonlinear Optical Properties of Organic Materials
- > Organic Light-Emitting Devices
- > Organic Photovoltaics
- > Organic Field Effect transistors

Important dates

Deadline for Abstracts	25 July 2004
Paper Submissions	12 November 2004
Short Courses	6–7 November 2004
Conference	8–10 December 2004