The aim of the 2006 International Conference On Nanoscience and Nanotechnology (ICONN 2006) is to bring together the Australian and International community (students, scientists and engineers from academia, govt. laboratories and industry) working in the field of nanoscience and technology to discuss new and exciting advances in the field. ICONN will cover nanostructure growth, synthesis, fabrication, characterization, device design, modeling, fabrication, testing and applications. The conference will feature plenary talks followed by technical symposia (parallel sessions) consisting of invited talks, oral and poster presentations on the following topics.

### Plenary Speakers

**Prof. Chunli Bai**, Chinese Academy of Sciences, Beijing  
Recent Advances in Nanoscience and Nanotechnology in China

**Prof. Heinrich Hofmann**, EPFL, Lausanne  
Superparamagnetic nanoparticles, a multifunctional tool for medical imaging, drug and gene delivery and cancer treatment.

**Prof. CNR Rao, FRS**, Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore  
Soft Chemistry Routes to Nanomaterials

**Prof. Mark Reed**, Yale University  
Atomic and Molecular Scale Electronic Transport

**Prof. Philip Russell, FRS**, University of Erlangen  
Light and Matter in Tight Spaces

**Prof. Peidong Yang**, University of California, Berkeley  
Nanowire Building Blocks for Photonics and Electronics

**Prof. Henry I. Smith**, Massachusetts Institute of Technology (To be Confirmed)  
Recent Progress in Nanofabrication

**Dr. Paulo Gargini**, Intel (To be Confirmed)  
Nanotechnology - Industry Perspective

### Symposia and Invited Speakers

**Symposium A**: Nanomaterials including Nanoparticles, Nanocavities, Nanocrystals, Nanotubes, Nanowires  
*Professor Jerry Atwood, University of Missouri-Columbia - Self assembled molecular capsules*
*Professor Alex Zettl, University of California, Berkeley - Carbon nanotubes - Nano Motors*
*Professor John Sader, University of Melbourne - Nanomechanics*
*Professor Gero von Plessen, RWTH Aachen - Metal Nanoparticle Physics*
*Professor Greg Hartland, University of Notre Dame - Plasmonics*
*Prof Yiu-Wing Mai, University of Sydney - Nanocomposites*
*Prof. Jim Williams, Australian National University - Nanocavities, Nanoscale Phase Transformations*

**Symposium B**: Bio-Nanotechnology, Nano-Medicine and Nanobiology  
*Professor Mark Eriksson, University of Wisconsin, Madison - Silicon Nanostructures, Nanomembranes*
*Professor David K. Ferry, Arizona State University - Single Atom Nanoelectronics, Quantum Transport and Devices*
*Professor Andre Geim, University of Manchester - Mesoscopic Physics and Magnetism*
*Professor Sir Michael Pepper, FRS, Cambridge University - Quantum Transport and Quantum Computing*

**Symposium D**: Molecular and Organic Materials, Electronics, Displays  
*To be Confirmed*

**Symposium E**: Nano-Optics, Nano-Optoelectronics, Nano-Photonics

**Symposium F**: Nano-Membranes, Nano-Porous and Electrochemical Materials

**Symposium G**: Nano-Fabrication, Nano-Lithography, Nano-Manipulation  
*Dr. Christie Marrian, IBM Almaden Research Center - Industry Applications and Challenges*

**Symposium H**: Nanoscale Characterisation, Nano-imaging

**Symposium I**: Computerized Nanotechnology


**Symposium K**: Nano-Manufacturing, Reliability, Standards, Safety, Social and Ethical issues

**Symposium L**: Education, Training and Skills in Nanotechnology  
*To be Confirmed*

### Conference Co-Chairs:

Prof. C. Jagadish (ANU) and Prof. Max Lu (UQ)

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### Deadlines:

- March 20, 2006, Abstract Submission
- April 25, 2006, Notification of Acceptance
- May 15, 2006, Pre-Registration at Reduced Rates
- May 31, 2006, Manuscript Submission.