

Nanobionics

The field of NanoBionics: the merging of biology and electronics using the most recent advances in nanotechnology promises to revolutionise this exciting area. The potential implications for health and medical research and the increased quality of life for patients are highly significant. To achieve such goals there is a need to bring together clinicians, scientists, engineers and mathematicians in a collaborative environment. The purpose of this symposium is to provide that forum.

Your Hosts

The 2008 Asia-Pacific Symposium on Nanobionics will be hosted by the ARC Centre of Excellence for Electromaterials Science, which is headquartered at the University of Wollongong, Wollongong, Australia. With Victorian nodes Monash University, St Vincent's Hospital and the Bionic Ear Institute, the Centre is well placed to explore the materials-medical interface.



Where to find us

Wollongong is located just 90km by road south of Sydney, and is serviced by rail. Visitors from Melbourne can fly directly into our regional airport at Albion Park Rail.

Further information

Please visit our website www.electromaterials.edu.au or register your interest by sending an email to aces_symposia@uow.edu.au. Registration costs will apply.

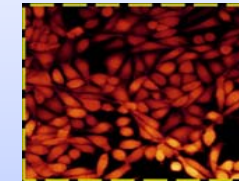


**Asia-Pacific Symposium
on Nanobionics**

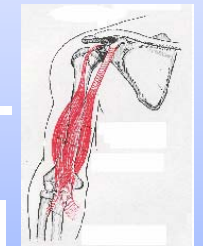
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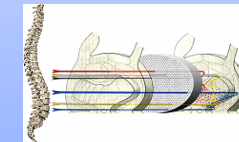
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IN



JUNE 2008



- Molecular Bionics
- Cellular Bionics
- Musculo-Skeletal Bionics
- Neurobionics

Wollongong, Australia

PLENARY SPEAKERS



Prof. Graeme Clark
Bionic Ear Institute
Interfacing the World to Human Consciousness



Prof. Adam Heller
The University of Texas at Austin, USA
A Roadmap to Implanted Biofuel Cells



Prof. Danilo De Rossi
University of Pisa, Italy
Wearable Health Monitoring



Prof. Dermot Diamond
Dublin City University, Ireland
Autonomous Monitoring, the Worldwide Web
and your Health

Confirmed Invited Speakers Include:

Prof. Frank Caruso (The University of Melbourne)
Advanced Materials for Nanomedicine via the Programmable Assembly of DNA

Prof. Mark Cook (St Vincent's Hospital Melbourne)
Novel Therapies for Epilepsy

Prof. Hans Griesser (University of South Australia)
Molecular Control of Materials Bio-interfaces

Dr Magdi H. El Habbal (Department of Child Health, Hull and East Yorkshire NHS Trust, UK)
Signal Transmission in Biological System

Prof. Keiichi Kaneto (Kyushu Institute of Technology, Japan)
Prospects and Features of Artificial Muscles Based on Conducting Polymers

Prof. Lanqun Mao (Chinese Academy of Sciences, China)
Nanostructured Biofuel Cells

Prof. Mario Romero-Ortega (Uni. of Texas Southwestern Medical Center, USA)
Regenerative Carbon Nanotube Neurointerfaces

Prof. Philippe Poulin (CNRS, France)
Behavior of Nanotubes in Solutions of Biomolecules

Prof. Tim Scott (Royal North Shore Hospital)
Applications of New Technologies to Hand Rehabilitation

Prof. Rob Shepherd (Bionic Ear Institute)
Medical Bionics and Cell-based Therapies: Starting at an Intersection of Two Emerging Disciplines

International Advisory Committee

The following researchers champion this event, and have agreed to serve on the international advisory committee. Please contact the IAC member in your country for further information.

Australia

Prof. Gordon Wallace (Conference Co-Chair)
ARC Centre of Excellence for Electromaterials Science,
Intelligent Polymer Research Institute, University of Wollongong,
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Dr Robert Kapsa (Conference Co-Chair)
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New Zealand

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China

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Korea

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