



Inaugural Conference on:

medical**bionics**

A new paradigm for human health

16–19 November 2008 Mantra Erskine Beach Resort, Lorne, Victoria, Australia

Medical Bionics Conference 2008

A new paradigm for human health

Sir Mark Oliphant
International Frontiers of Science and Technology
Conference Series

16 – 19 November 2008

Mantra Erskine Beach Resort
Lorne, Victoria, Australia

REGISTRATION BROCHURE

www.medicalbionics.consec.com.au



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Registration Brochure

Medical Bionics Conference 2008



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INVITATION TO ATTEND

The Bionic Ear Institute is delighted to host the inaugural conference 'Medical Bionics - a new paradigm for human health'. This conference will bring together a wide range of eminent and early career researchers working in the diverse field of medical bionics. Although they will travel from all regions of the world and bring expertise from disciplines as diverse as biotechnology, engineering, ICT, polymer science, nanotechnology and medicine, there will be one aim that unites all those attending the conference - to search for solutions to the human health challenges of the future.

The conference will examine the following themes:

- Overview of medical bionics: design, development and commercialisation;
- Smarter materials: intelligent polymers and nanotechnology in medical bionics;
- Smarter devices: the role of ICT in medical bionics;
- Neural interfaces for CNS and spinal cord stimulation;
- Neural interfaces for sensory information (including auditory prostheses and retinal prostheses);
- Cell based therapy: application in medical bionics;
- Surgical and ethical considerations for medical bionics; and
- Future directions in medical bionics.

The Scientific Advisory Committee has assembled an exciting speaker program that includes eminent local and overseas invited speakers. One of the most distinct aspects of this meeting will be the great breadth of presentations; describing new and emerging disciplines that will help shape the development of medical bionics over the next two decades. Further, the meeting will provide inspiration and focus for the next generation of researchers in this field. This will be achieved through a strong emphasis on poster presentations, providing a valuable opportunity for new investigators to showcase their work and meet others working in their area of research.

The conference will be held in the beautiful coastal village of Lorne in south-western Victoria. Surrounded by the Otway National Park, Lorne is a key vista point along the famous Great Ocean Road. This idyllic village offers a relaxing environment to talk science, explore the local restaurants, go bushwalking or even try surfing!

Please join us in November for this exciting event.

Kind regards

Professor Robert Shepherd PhD
Director of the Bionic Ear Institute & Conference Chair



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SCIENTIFIC ADVISORY COMMITTEE

Professor Robert Shepherd	(Chair) Director, The Bionic Ear Institute
Professor Anthony Burkitt	Professor of BioSignals and BioSystems, School of Engineering, The University of Melbourne
Professor Frank Caruso	ARC Federation Fellow, School of Engineering, The University of Melbourne
Professor Nigel Lovell	Graduate School of Biomedical Engineering, University of New South Wales
Professor Iven Mareels	Dean, School of Engineering, The University of Melbourne
A/Prof Peter Seligman	Senior Engineer, Cochlear Limited
Professor Stan Skafidas	Program Leader, Sensor Networks, National ICT Australia
Professor Gordon Wallace	ARC Federation Fellow & Director, Intelligent Polymer Research Institute, University of Wollongong

CONFERENCE SECRETARIAT



Consec – Conference Management
PO Box 3127
BMDC ACT 2617 Australia
Telephone: +61 2 6251 0675
Facsimile: +61 2 6251 0672

Conference Manager: Barry Neame
Conference Coordinator: Michaela Andelova

KEYNOTE SPEAKERS

Refer to website for full listing of Keynote and Invited Speakers: www.medicalbionics.consec.com.au



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PROGRAM OVERVIEW

The program will include:

- Invited presentations from international and Australian experts, and selected early career researchers;
- Panel discussions;
- Peer reviewed poster abstracts;
 - Student poster section Student Poster Awards (4 awards of \$500 each) – the student will need to be the first author; and check a box in the abstract submission process that:
 - (a) The work presented represents part of their post-graduate studies;
 - (b) They are currently enrolled at a University as a full time higher research degree student; and
 - (c) They wish their poster to be considered for the award.
- Workshops;
 - Small group sessions of specific interest
- Tours and special events;
 - Laboratory tours in Melbourne, Wollongong and Sydney;
 - Showcasing medical bionics program; and
 - Social program including a bushwalk in the Lorne hinterland.

KEYNOTE SPEAKERS



Professor Graeme Clark AC pioneered the development of the cochlear implant for deaf children and adults, the first sensory-neural prosthesis to effectively and safely bring electronic technology into a direct physiological relation with the central nervous system and human consciousness. It has given speech understanding to profoundly deaf people, and spoken language to children born deaf.

Professor Clark is the recipient of many prestigious awards, including the 1999 Victoria Prize, the Companion of the Order of Australia (AC) and the Prime Minister's Prize for Science in 2004 and the Sir Ian Wark Medal from the Australian Academy of Science for contributions to Australian science and industry in 2006. This year, Professor Clark shared, with Professor John Donoghue, the Zulch Prize by the Max Planck Society's Getrud Reemtsma Foundation for exceptional achievement in basic neurological research.



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Theme 1: Medical Bionics: Overview, design & commercialization

This first theme will provide a key overview of the theory underlying safe electrical stimulation of neural tissue for therapeutic applications. The theme will then provide an overview of the design considerations for contemporary medical bionic devices and highlight issues relevant for future developments in this technology from both an engineering and biological perspective. The final two papers from this session will describe, from first hand experience, the trials and tribulations of taking a device to clinical trial and the multidisciplinary team required to successfully complete this transition.

- **Dr Warren Grill**, Department of Biomedical Engineering, Duke University, USA
 "Biophysics of electrical stimulation of neural tissue and its application in neural prostheses"
- **A/Prof Peter Seligman**, Cochlear Ltd
 "Engineering considerations for a commercially viable neural prosthesis"
- **Prof Jean Delbeke**, Neural rehabilitation engineering laboratory, Faculté de Médecine, Catholic University of Louvain, Belgium
 "Present problems and future expectations for neural interfaces"
- **Prof Stephen O'Leary**, Department of Otolaryngology, The University of Melbourne
 "Design principles for minimizing infection in medical bionic devices"
- **Prof Robert Shepherd**, The Bionic Ear Institute
 "Biocompatibility and Medical Bionics"
- **Prof Thomas Stieglitz**, Laboratory for Biomedical Microtechnology, University of Freiburg, Germany
 "Development of new electrode arrays for novel application in neural prostheses"
- **A/Prof Chris Williams**, The Bionic Ear Institute
 "Translational research - from the bench to the clinic: Experience with neonatal brain monitoring"
- **Dr Bob Shannon**, Auditory Implants Research Laboratory, House Ear Institute, Los Angeles, USA
 "Penetrating CN prosthesis - from concept to clinical trial"

Theme 2: Smarter materials: Intelligent Polymers & Nanotechnology in Medical Bionics

In this theme we explore the exciting new collaborations developing between Nanotechnology and Medical Bionics that will produce smaller, safer implantable devices. Areas of discussion will include controlled drug delivery techniques for neural regeneration, cell-targeted delivery of



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drugs, biocompatible surface coatings for prosthetic devices and the application of carbon nanotubes for a new generation of electrodes.

- **Prof Gordon Wallace**, ARC Centre of Excellence for Electromaterials Science & Intelligent Polymer Research Institute, The University of Wollongong
 "Conductive polymers for application in medical bionics"
- **Dr Rachael Richardson**, The Bionic Ear Institute
 "Drug delivery via intelligent polymers: Auditory nerve rescue for Bionic Ears"
- **Prof Frank Caruso**, Department of Chemical and Biomolecular Engineering, The University of Melbourne
 "How nanotechnology can contribute to new applications in medical bionics"
- **Prof David Martin**, Department of Biomedical Engineering, University of Michigan, USA
 "Smart biomaterials for application in neural prostheses"
- **Prof Keiichi Torimitsu**, Materials Science Laboratory, Nippon Telegraph and Telephone Company, Japan
 "Nano-bio and nanotubes: application in medical bionics"

Theme 3: Smarter devices: The role of ICT in Medical Bionics

The ICT/Life sciences intersection is an exciting and rapidly growing area of multidisciplinary research. Here we critique the use of a new generation of wireless communication technologies to enable both power and data links to implanted neural devices. This application will lead to multiple, coordinated devices capable of monitoring and responding in a "closed loop" capacity to a changing biological environment. This theme will conclude with examples of closed loop devices under development for gait and epilepsy control.

- **Prof Stan Skafidas**, National ICT Australia
 "Wireless communication in neural prostheses: towards closed loop systems"
- **Prof Kensal Wise**, Center for Wireless Integrated MicroSystems, Department of Electrical Engineering and Computer Science, University of Michigan, USA
 "Chronic microelectrode arrays and integrated wireless technology for advanced neural prostheses"
- **Dr James Fallon**, The Bionic Ear Institute
 "Electrophysiological recording from Cochlear Implants: application for closed loop prostheses"
- **Prof Hunter Peckham**, Department of Biomedical Engineering, Case Western Reserve University, USA
 "Functional Electrical Stimulation systems for restoration of hand/arm movement and the development of implantable closed loop prostheses"



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- **Prof Tony Burkitt**, The Bionic Ear Institute and Department of Electrical and Electronic Engineering, The University of Melbourne
 "Epilepsy detection: a contribution from mathematical modelling"
- **Prof Mark Cook**, Department of Neurosurgery, St Vincent's Hospital
 "Epilepsy control via cortical stimulation"

Theme 4: Neural Interfaces for CNS & Spinal Cord Stimulation

In this theme we explore two active areas of research involving neural prostheses. We will explore the use of Deep Brain Stimulation for movement control in Parkinson's disease and its potential application in other neurological disorders, together with research investigating the application of medical bionics in spinal cord injuries to restore lower limb function.

- **Prof Vivian Mushahwar**, Department of Biomedical Engineering, University of Alberta, Canada
 "Spinal cord stimulation for restoring lower extremity function"

Theme 5: Neural Interfaces for Sensory Information

Bionic devices designed to stimulate damaged sensory pathways provide major research and development opportunities. The successful development of novel prostheses will draw from lessons learnt from the Bionic Ear - the world's most successful neural prosthesis. In this session we provide an overview of the status of the Bionic Ear and present exciting new opportunities including central auditory prostheses and the development of a Bionic Eye.

Auditory Prostheses

- **Prof Richard Dowell**, Department of Otolaryngology, The University of Melbourne
 "Patient management for neural prostheses: Experience with the bionic ear"
- **Dr David Grayden**, Department of Electrical and Electronic Engineering, The University of Melbourne
 "Signal processing for improved speech perception: lessons from auditory physiology"
- **Prof Hugh McDermott**, Department of Otolaryngology, The University of Melbourne
 "Electrical stimulation in partially deaf ears: expanding the application of cochlear implants"
- **A/Prof Tony Paolini**, The Bionic Ear Institute and La Trobe University
 "New strategies for electrical stimulation of the central auditory pathway"



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Retinal Prostheses

- **Prof Hugh Taylor**, Centre for Eye Research Australia and School of Population Health, The University of Melbourne
"Epidemiology of blindness: Is there a place for a Bionic Eye in Ophthalmology?"
- **Prof Nigel Lovell**, Graduate School of Biomedical Engineering, The University of New South Wales
"The development of a Bionic Eye: An Engineering perspective"
- **A/Prof James Weiland**, Doheny Eye Institute, University of Southern California
"Title TBA"
- **Prof Thomas Stieglitz**, Laboratory for Biomedical Microtechnology, University of Freiburg, Germany
"Development of a retinal prosthesis "

Theme 6: Cell based therapy: Application in Medical Bionics

Medical Bionics is a melting pot for multidisciplinary research; integrating the clinical sciences with engineering and biology. In Theme 6 we explore the exciting possibilities of combining Medical Bionics with Neuroscience - in particular interfacing neural prostheses with stem cell biology and cell-based drug delivery techniques designed to repair and regenerate nerves.

- **Prof Peter Rathjen**, Deputy Vice-Chancellor Research, The University of Melbourne
"The application of stem cells in Medical Bionics"
- **Prof Rob Kapsa**, ARC Centre of Excellence for Electromaterials Science, University of Wollongong and St Vincent's Hospital, Melbourne
"Stem cell therapy for muscle regeneration: Potential clinical application with functional electrical stimulation systems for restoration of hand/arm movement"
- **Dr Stephen Skinner**, Living Cell Technologies, Auckland, New Zealand
"Development of alginate capsules for cell based therapies in neurological diseases"
- **Dr Lisa Pettingill**, The Bionic Ear Institute
"Cell-based delivery of neurotrophins for auditory nerve rescue"

Theme 7: Surgical and Ethical Considerations for Medical Bionics

There are key surgical considerations that must be taken into account during the development of safe and effective Medical Bionic devices. The surgeon is a key player in device design - this session is designed to provide key feedback from a surgical perspective as to what constitutes good design. This theme will conclude with an overview of the ethical considerations associated with implantable devices.



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- **Prof Jeffrey Rosenfeld**, Department of Surgery, Monash University
"Neurosurgical and ethical issues associated with neural prostheses"
- **Prof Susan Dodds**, Faculty of Arts, The University of Wollongong
"The ethics of Medical Bionics"

Theme 8: Future Directions in Medical Bionics

Our final session explores important new areas of novel research that may lead to improved Medical Bionic applications. The session will conclude with a review of the unexpected "low hanging fruit" that has resulted following 30 years of Bionic Ear research. Clearly, the successful development of new applications in Medical Bionics will realize similar outcomes.

- **Dr Claus-Peter Richter**, Department of Otolaryngology, Northwestern University, USA
"Optical stimulation of neural tissue: is this the future for neural prostheses?"
- **Prof Iven Mareels**, School of Engineering, The University of Melbourne
"The application of mathematical modeling in Medical Bionics"
- **A/Prof Robert Cowan**, Hearing CRC, The University of Melbourne
"Technical spin-offs: Examples from the development of the cochlear implant"

Poster presentations

Oral presentations will be complemented by peer-reviewed poster presentations providing an opportunity for both established and early career researchers and students to present and discuss their work.

Panel discussion

There will be a number of panel discussions.

Disclaimer

The conference information and program outline is correct at the time of printing. However, the Organisers reserve the right to change the program and registration information where necessary.



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POST CONFERENCE SITE VISITS

SITE VISITS

MELBOURNE

Site Visit 1 (SV1) - The Bionic Ear Institute

Site visit to The Bionic Ear Institute on Thursday 20 November
384-388 Albert Street, East Melbourne, Victoria 3002 Australia

Meeting point: The Bionic Ear Institute
384-388 Albert Street, East Melbourne, Victoria 3002 Australia

For accommodation options in Melbourne please visit <http://www.hotel.com.au/melbourne/>

Time: 9.00am-3.00pm
Maximum Numbers: 40
Cost: Nil (morning tea and lunch will be provided)

Details:

9.00am	Meet at The Bionic Ear Institute
9.05am	Welcome
9.10am	Site tour
10.30am	Morning tea
12.30pm	Lunch
3.00pm	Depart

This site visit will include a laboratory tour and presentations from researchers and collaborators of the Bionic Ear Institute. The tour will include a visit to Bionic Ear Institute laboratories at both, the Royal Victorian Eye and Ear Hospital and St Vincent's Hospital as well as Clinical Neurosciences, St Vincent's Hospital, the Department of Otolaryngology, The University of Melbourne and Cochlear Ltd (Melbourne Office).

Research topics to be presented include:

- Auditory neurobiology and cochlear implant research;
- Auditory physiology and perception;
- Nanobionics technology and intelligent polymers for use in the development of new generation electrodes and neural repair; and
- Medical Bionics research.



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SYDNEY

Site Visit 2 (SV2) - The University of Wollongong

Site visit to the University of Wollongong on Thursday 20 November
The University of Wollongong, NSW 2522 Australia

Pick up point: Qantas Domestic Terminal Sydney Airport
Please assemble outside the Qantas Domestic Terminal by 9.00am

Drop off point: Qantas Domestic Terminal Sydney Airport

For accommodation options in Wollongong please visit <http://www.hotel.com.au/wollongong/>
For accommodation options in Sydney please visit <http://www.hotel.com.au/sydney/>

Time: 9.30am-4.30pm
Maximum Numbers: 40
Cost: \$100 (includes morning and afternoon tea, BBQ lunch and transport to and from Sydney Airport)

Details:	9.00am	Pickup from Sydney Airport
	9.30am	Arrive at University of Wollongong
	9.35am	Site Tour
	10.30am	Morning Tea
	12.30pm	Lunch
	3.00pm	Afternoon Tea
	4.30pm	Depart
	5.00pm	Arrive at Sydney Airport

This site visit will include an Introduction to the ACES Nanobionics Program by Professor Gordon Wallace as well as a tour of the Nanobionics facilities – custom built integrated research laboratories covering materials synthesis, fabrication and biological testing.

Laboratory demonstrations including:

- Nanostructured carbon bionic materials (carbon nanotubes, graphene);
- Electrospinning biomaterials;
- Wet spinning micro fibers;
- Ink jet printing biofunctional materials;
- Controlled release technologies;
- Artificial muscle technology;
- Electrical stimulation of nerve, muscle, endothelial cells; and
- Biofuel cells.



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Site Visit 3 (SV3) - Cochlear Ltd

Morning site visit to Cochlear Ltd on Friday 21 November

14 Mars Rd Lane Cove, NSW 2066 Australia

Pick up point: Qantas Domestic Terminal Sydney Airport
Please assemble outside the Qantas Domestic Terminal by 9.00am

For accommodation options in Sydney please visit <http://www.hotel.com.au/sydney/>

Time: 9.30am-11.00am
Maximum Numbers: 40
Cost: Nil (coach transfers and morning tea will be provided)

Details:

9.00am	Pickup from Sydney Airport
9.35am	Arrive at Cochlear Ltd
9.35am	Welcome
9.45am	Tour of manufacturing
10.45am	Morning tea
11.00am	Depart and travel to the University of New South Wales

If you do not wish to go onto the University of New South Wales site visit a coach will make a drop off at the Qantas Domestic Terminal of Sydney Airport at approximately 11.30am.

Site Visit 4 (SV4) – Graduate School of Biomedical Engineering, The University of New South Wales

Afternoon site visit to the University of New South Wales on Friday 21 November

Kensington Campus, The University of New South Wales, Sydney 2052 Australia

Pick up point 1: Sydney Central Business District
Pick up point 2: Qantas Domestic Terminal Sydney Airport

Drop off point 1: Qantas Domestic Terminal Sydney Airport
Drop off point 2: Sydney Central Business District

Time: 12.00pm-2.00pm
Maximum Numbers: 40
Cost: \$50 (includes BBQ seafood lunch and transport from Cochlear Ltd or Sydney Central Business District and returning to the CBD or Sydney Airport after the tour – exact pickup times to be advised)

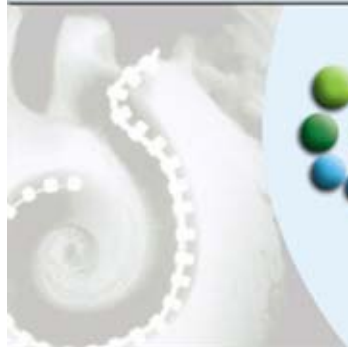


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Details:	11.00am	Pickup from Sydney Central Business District
	11.30am	Pickup from Sydney Airport
	12.00pm	Arrive at University of New South Wales
	12.05pm	Tour Graduate School of Biomedical Engineering
	1.00pm	BBQ Seafood lunch
	2.00pm	Depart
	2.30pm	Arrive at Sydney Airport
	3.00pm	Arrive at Sydney Central Business District

This site visit will include an introduction to the Graduate School of Biomedical Engineering and the Australian Vision Prosthesis Group as well as a tour of the Graduate School of Biomedical Engineering facilities including the Implantable Bionics Laboratories followed by a relaxing social gathering on the observation desk of the Graduate School enjoying some Australian seafood and other local cuisine.



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TRADE EXHIBITION

The Trade Exhibition will be held in the exhibition area of the Mantra Erskine Beach Resort, Lorne on the following days and times.

Monday 17 November 2008 8.00am – 5.00pm
Tuesday 18 November 2008 8.00am – 5.00pm
Wednesday 19 November 2008 8.00am – 1.00pm

For enquiries regarding trade exhibition opportunities, please contact Michaela Andelova at the Medical Bionics Conference Secretariat on +61 2 6251 0675, facsimile +61 2 6251 0672 or email: medicalbionics@consec.com.au

SPONSORSHIP

For enquiries regarding sponsorship opportunities, please contact Michaela Andelova at the Medical Bionics Conference Secretariat on +61 2 6251 0675, facsimile +61 2 6251 0672 or email: medicalbionics@consec.com.au

SOCIAL PROGRAM

Welcome Networking Drinks

Date: Sunday, 16 November 2008
Time: 5.30pm
Venue: Mantra Erskine Beach Resort, Lorne
Cost: Included in Full Registration (\$45 pp extra ticket)
Dress: Smart Casual

OPTIONAL Conference Networking Dinner

Date: Tuesday, 18 November 2008
Time: 7.30pm – 11.00pm
Venue: Mantra Erskine Beach Resort
Cost: \$95.00 per person
Dress: Smart Casual



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REGISTRATION FEE INCLUSIONS

Full Registration

- Welcome Networking Drinks (Sunday)
- Morning/afternoon teas and lunches (Monday, Tuesday, Wednesday)
- Admission to all Conference and Workshop sessions (Sunday, Monday, Tuesday, Wednesday)
- Admission to exhibition (Monday, Tuesday, Wednesday)
- Delegate listing
- Satchel including name badge, Conference handbook with program and abstracts

Student Registration (proof of full-time status required)

- Welcome Networking Drinks (Sunday)
- Morning/afternoon teas and lunches (Monday, Tuesday, Wednesday)
- Admission to all Conference and Workshop sessions (Sunday, Monday, Tuesday, Wednesday)
- Admission to exhibition (Monday, Tuesday, Wednesday)
- Delegate listing
- Satchel including name badge, Conference handbook with program and abstracts

Transport to and from Lorne

Coach transport from Melbourne to Lorne and return will be provided at a minimum cost. Please indicate your requirements on the registration form. Pickup and drop off locations in Melbourne and exact times will be confirmed.



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ACCOMMODATION

Mantra Erskine Beach Resort ★★★★★ ½
Mountjoy Parade
Lorne, Victoria, Australia

Check-in	2.00pm
Check-out	10.00am

Resort Room	\$205.00 per night
One Bedroom Apartments	\$235.00 per night

Mantra Erskine Beach Resort is located on absolute beachfront, in the historic seaside town of Lorne along Victoria's famous Great Ocean Road. Under two hours drive from Melbourne, the resort is nestled between the crystal clear water of Louttit Bay and the Otway Hinterland.

Mantra Erskine Beach Resort is the largest conference and accommodation venue in the region, offering a 500 seat convention centre and 276 apartments. Boasting a \$20 million refurbishment, new resort features include a restaurant, café, cocktail bar, indoor lap pool, gymnasium, steam room, 24 hour reception and day spa. Take advantage of the resort's incredible array of outdoor activities, including lawn bowls, croquet, tennis and a putting green or stroll along the beach and walk to Lorne Pier.

Resort Conditions

Please note:

- Any delegate that cancels any accommodation booking between 17 August 2008 and 1 November 2008 will incur a cancellation fee equal to 50% of the total accommodation rate.
- Any delegate that cancels any accommodation booking less than 14 days prior to their arrival will incur a cancellation fee equal to 100% of the total daily contracted rate.
- Any delegate failing to vacate their room after 10.00am, a \$95.00 late departure fee will apply.

History

The heritage listed original building of Mantra Erskine Beach Resort was originally built in the 1870s by the Mountjoy family of Lorne as a farmhouse. The building was redeveloped in the 1880s as a temperance resort and finally became the prestigious guesthouse visited by such distinguished guests as author Rudyard Kipling.



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Accommodation

This magnificent 4.5 star resort offers a range of accommodation options from modern resort suites to spacious two bedroom apartments, providing the highest standard of facilities with many apartments featuring filtered ocean views.

Guests can also enjoy the convenience of complimentary car parking, 24 hour reception, business centre facilities, accessible lift access, ramped pathways, wheelchair access, eight rooms with disabled facilities and baby-sitting services.

Room types include:

1 Bedroom Apartment

Available with queen bed + sofa bed, there are a limited number of rooms available with king bed (zip) which can be divided into 2 single beds. The suite features private ensuite, spa, fully equipped kitchen and laundry, separate lounge/dining area, DVD, wireless broadband access, Foxtel, reverse cycle air-conditioning and private balcony. 1 Bedroom Ocean rooms are also available with filtered ocean and beach views.

Resort Room

Available with king bed (zip) which can be divided into 2 single beds. The room features tea and coffee making facilities, a bar fridge, basic crockery and glassware, TV and VCR, Foxtel and reverse cycle air-conditioning. Resort Ocean rooms are also available with filtered ocean and beach views

TRAVEL INTERNATIONAL

Visa Requirements

Participants of an event or conference in Australia will generally need to apply for a subclass 456 Business (Short Stay) Visitor Visa.

Visas are available from your local Australian Embassy, Consulate or High Commission. For the location of your nearest Consulate visit the Department of Foreign Affairs and Trade (www.dfat.gov.au/missions/) website.

Further information regarding visa requirements can be found at www.immi.gov.au/skilled/business/business-visit-visa-options.htm



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Customs Requirements

Please refer to the Australian Customs Service website (www.customs.gov.au) for items that must be declared upon arrival in Australia.

Goods and Services Tax

A Goods and Services Tax of 10% is levied on most purchases in Australia and is included in the purchase price of the goods or service. You may be eligible for a refund of the GST on goods purchased in Australia. For more information visit: www.customs.gov.au

GENERAL INFORMATION

Accommodation

A block booking of accommodation rooms has been made at the Mantra Erskine Beach Resort. Please indicate your accommodation requirements on the Registration Form. To secure your accommodation booking, please provide credit card details and tick the appropriate box on the registration form to agree for your credit card details to be forwarded to the resort to guarantee your resort reservation. Bookings made after 17 August 2008 cannot be guaranteed. Any rooms cancelled between 17 August 2008 and 1 November 2008, a cancellation fee equal to 50% of the accommodation booking will be charged to the delegate. For any rooms cancelled fourteen (14) days or less prior to arrival, or where a delegate does not arrive on the date booked, a cancellation fee equal to 100% of the accommodation booking will be charged to the delegate. If you do not have a credit card, please post your registration to the Conference Secretariat and include a deposit equivalent to one night's accommodation (via cheque or money order) with your registration payment to secure your reservation.

Full payment of your resort account will be required at the time of your departure. All bookings, alterations or cancellations should be made through the Conference Secretariat.

Please do not contact the resort directly.

Cancellation and Refund Policy

Delegates who find themselves unable to attend the Conference after submitting a registration form are most welcome to nominate a substitute. In the case of a cancellation, delegates must inform the Conference Secretariat in writing of their inability to attend. A refund of registration fees, less a cancellation fee of \$110.00 including GST can only be made if you cancel on or before **Friday, 10 October 2008**. Refunds will be issued after the Conference.



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Changes/Amendments

Alterations to, or cancellations of your Conference booking must be advised through the Consec - Conference Secretariat via email at medicalbionics@consec.com.au or fax to +61 2 6251 0672.

DUE TO ADMINISTRATIVE REQUIREMENTS, CHANGES AND/OR ALTERATIONS ADVISED VERBALLY CANNOT BE ACCEPTED.

Conference Secretariat



Consec – Conference Management

PO Box 3127

BMDC ACT 2617

Australia

Email: medicalbionics@consec.com.au

Conference Manager: Barry Neame

Conference Coordinator: Michaela Andelova

Disclaimer

The Conference program and registration information is correct at the time of printing. However, the organisers reserve the right to change the information where necessary without notice.

Dress

Recommended dress for the Conference is smart casual.

Liability Waiver

In the event of industrial disruptions, the Conference organisers accept no responsibility.

Non-smoking Policy

All the rooms at the venue are NON-SMOKING.

Personal Insurance

Delegates shall be regarded in every aspect as carrying their own risk for loss or injury to person or property, including baggage during the Conference. We strongly recommend that at the time of booking your travel and tours you take out a travel insurance policy of your choice. The policy taken should include the loss of deposit through cancellation, medical insurance,



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loss or damage to personal property, financial loss incurred through disruptions to accommodation or travel arrangements due to strikes or other industrial action. The organisers are in no way responsible for any claims concerning insurance.

Privacy Clause

In registering for this Conference, relevant details will be incorporated into a delegate list for the benefit of all delegates (name and organisation only), and may be made available to parties directly related to the Conference including the Bionic Ear Institute, Consec – Conference Management, the Conference Scientific Advisory Committee, venues and accommodation providers (for the purposes of room bookings and Conference options), key sponsors (subject to strict conditions) and parties associated with related Conferences. Postal and email details will be added to the Bionic Ear Institute's mailing list to keep you apprised of news items. By completing this registration form, you acknowledge that the details supplied by you may be used for the above purposes. Should you wish your details not to be used for these purposes, please tick the appropriate box on the registration form.

Registration Desk

The Registration Desk will be situated in the foyer of the Mantra Erskine Beach Resort and will be staffed as follows:

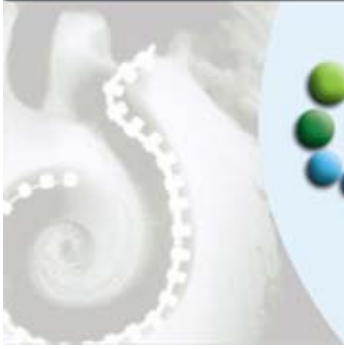
Sunday 16 November 2008	2.00am – 5.00pm
Monday 17 November 2008	8.00am – 5.00pm
Tuesday 18 November 2008	8.00am – 5.00pm
Wednesday 19 November 2008	8.00am – 1.00pm

Special Needs

We endeavour to ensure delegates with special needs are catered for. Should you require particular assistance, please make a note on your registration form or contact the Conference Secretariat by Fax: +61 2 6251 0672 or email: medicalbionics@consec.com.au.

Website

Please check the conference website, www.medicalbionics.consec.com.au, for regular updates.



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REGISTRATION FORM – Medical Bionics 2008

Inaugural Conference 2008

Mantra Erskine Beach Resort, Lorne, 16-19 November 2008

ABN: 56 006 580 883 (Bionic Ear Institute)

Delegate Information

Title (Prof/Dr/Mr/Ms//Other) _____ Given Name _____

Surname _____

Preferred Name for Badge _____

Organisation _____

Postal Address _____

_____ Postcode _____ Country _____

Phone (w) _____ Facsimile _____

Email _____

Special Requirements (dietary or otherwise) _____

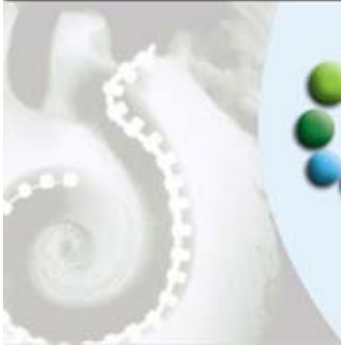
Accompanying Partner Information

*** Please note, this information is for name badge purpose only and does not allow the person to attend any of the conference sessions ***

Title (Prof/Dr/Mr/Ms//Other) _____ Given Name _____

Surname _____

Preferred Name for Badge _____



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Privacy Act

I do not wish to be included on the delegate list (please ✓ if applicable)

In registering for this Conference, relevant details will be incorporated into a delegate list for the benefit of all delegates (name and organisation only), and may be made available to parties directly related to the Conference including Consec - Conference Management, the Conference Organising Committee, venues and accommodation providers (for the purposes of room bookings and Meeting options), key sponsors (subject to strict conditions).

By completing this registration form, you acknowledge that the details supplied by you may be used for the above purposes. Should you not wish for your details to be used for these purposes, please tick the box above.

PAYMENT DETAILS

All prices are in Australian Dollars and include GST

Registration

- | | | | |
|--------------------------|--|----------|----------------------|
| <input type="checkbox"/> | Full Registration Early Bird Fee
(received before Friday 5 September 2008) | \$500.00 | <input type="text"/> |
| <input type="checkbox"/> | Full Registration Standard Fee
(received on or after Saturday 6 September 2008) | \$750.00 | <input type="text"/> |
| <input type="checkbox"/> | Student Registration Early Bird Fee
(received before Friday 5 September 2008)
(proof of status required at time of registration) | \$300.00 | <input type="text"/> |
| <input type="checkbox"/> | Student Registration Fee
(received on or after Saturday 6 September 2008)
(proof of status required at time of registration) | \$400.00 | <input type="text"/> |

Catering

For catering purposes, please indicate if you are attending the Welcome Networking Drinks (included in Registration Fee)

Yes No

Additional Tickets

Welcome Networking Drinks (16/11) No. of tickets _____ @ \$45.00



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OPTIONAL Lunch/es for Partner

- Optional Lunch No. of tickets _____ @ \$35.00
- Please specify which day/s: Monday Tuesday Wednesday
- Special Requirements (dietary or otherwise) _____

OPTIONAL Conference Networking Dinner Tickets (NOT included in Registration Fee)

- Optional Conference Dinner (18/11) No. of tickets _____ @ \$95.00

Transport (please tick if required)

- Pickup from Melbourne to Lorne No. of tickets _____ @ \$35.00
(Leaving The Bionic Ear Institute at 12.00pm, Sunday 16 November 2008 and arriving at the Mantra Erskine Resort at 2.30pm)
- Return from Lorne to Melbourne No. of tickets _____ @ \$35.00
(Leaving Mantra Erskine Resort at 2.00pm, Wednesday 19 November 2008 and arriving at The Bionic Ear Institute at 4.30pm and the Airport at 5.45pm)

Post Conference Site Visits

MELBOURNE

- SV1 - The Bionic Ear Institute No. of tickets _____ \$NIL
Thursday 20 November 9.00am-3.00pm
Please see page 12 for more information
Tour Inclusions
- Tours, morning tea and lunch

SYDNEY

- SV2 - Wollongong University No. of tickets _____ @ \$100.00
Thursday 20 November 9.30am-4.30pm
Please see page 13 for more information
Tour Inclusions
- Tour, morning and afternoon tea, BBQ lunch
 - Transport from and to Sydney Airport
- SV3 - Cochlear Limited No. of tickets _____ \$NIL
Friday 21 November 9.30am-11.00am
Please see page 14 for more information



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Tour Inclusions

- Tours, morning tea
- Transport from Sydney Airport and travel to University of NSW

- SV4 – Graduate School of Biomedical Engineering,
University of NSW No. of tickets _____ @ \$50.00
Friday 21 November 12.00pm-2.00pm
Please see page 14 for more information

Tour Inclusions

- Tour and seafood lunch
- Transport from and to both Sydney CBD / Airport

ACCOMMODATION (prices include GST)

Type of accommodation required:

- Smoking Non smoking

MANTRA ERSKINE BEACH RESORT (4.5 Star)

Mountjoy Parade, Lorne, Victoria, Australia

- Resort Room AUD \$205 per night (room only)
 One Bedroom Apartment AUD \$235 per night (room only)

Check In: from 2pm Check Out: 10am

Arrival Date: _____ Departure Date: _____

Estimate time of arrival: _____

I wish to share accommodation with: _____

Accommodation Security

- Yes I agree to my credit card details being forwarded to the resort to guarantee my reservation.

Please note your credit card details are required to guarantee your room. Neither Consec – Conference Management nor the resort will make any charges against your credit card unless you fail to give sufficient notice in writing of your cancellation to the Conference Secretariat.

If you do not have a credit card, please post your registration to the Conference Secretariat and include a deposit equivalent to one night's accommodation (via cheque of money order) with your registration payment to secure your reservation.



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Full payment of your resort account will be required at the time of your departure.

Resort Deposit \$
(One night's accommodation, if you do not have a credit card)

Accommodation Cancellation and Refund Policy

Delegates who cancel their accommodation booking must inform the Conference Secretariat in writing of their cancellation before **17 August 2008**. No refunds for accommodation cancellations will be made after that date. Refunds will be issued after the Conference.

For any rooms cancelled fourteen (14) days less or prior to arrival or where a delegate does not arrive on the date booked, a cancellation fee equal to 100% of the accommodation booking will be charged to the delegate.

Accommodation Changes/Amendments

All bookings, alterations or cancellations should be made to the Conference Secretariat in writing. Please do not contact the resort directly. **Due to administrative requirements, changes and/or alterations advised verbally cannot be accepted.**

METHOD OF PAYMENT

CREDIT CARD

If paying by credit card, please details in the spaces below:

MasterCard Visa AMEX Diners

Cardholder's Name
(Please print)

Card Number:

Expiry Date: /

Signature:



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 CHEQUE

Please make cheque payable to Medical Bionics Conference 2008 and mail or fax registration form to:

Medical Bionics 2008 Conference Secretariat*
Consec – Conference Management
PO Box 3127
BMDC ACT 2617 Australia
Telephone: +61 2 6251 0675

Facsimile: +61 2 6251 0672
Email: medicalbionics@consec.com.au

 ELECTRONIC FUNDS TRANSFER

Electronic Funds Transfer Details:

Bank: National Australia Bank

Account Name: Medical Bionics Conference 2008

Branch: Canberra City, ACT

BSB No: 082 902

Account No: 752 642 532

Transaction Reference Number: _____

***PLEASE NOTE:** A remittance advice must be faxed through once payment has gone through on +61 2 6251 0672.*

* Conference Secretariat – Consec – Conference Management as agent for Medical Bionics Conference 2008

CANCELLATIONS/REFUNDS

Delegates who find themselves unable to attend the Conference after submitting a registration form are most welcome to nominate a substitute. In the case of a cancellation, delegates must inform the Conference Secretariat in writing of their inability to attend. A refund of registration fees, less a cancellation fee of \$110 including GST will be made for cancellations made on or before **Friday 10 October 2008**. No refunds will be made after that date.

DISCLAIMER

The Conference program and registration information is correct at time of publication; however, the organisers reserve the right to change information where necessary. The Conference organisers reserve the right to change prices and information provided as necessary. The Conference organisers reserve the right to charge delegates for the correct amount where the wrong amount of money has been provided.



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USEFUL LINKS

Lorne, Victoria Australia

<http://www.lornelink.com.au/home/home.asp>

<http://www.travelvictoria.com.au/lorne/>

Accommodation

<http://www.greatoceanroad.org>

<http://www.hotel.com.au>