The World Federation for NeuroRehabilitation presents its Biennial Congress

WCNR 2012

7th World Congress for NeuroRehabilitation

Dear Colleagues,

On behalf of the World Federation for NeuroRehabilitation (WFNR) and Professor John Olver, WFNR Regional Vice-President for Australia, New Zealand and Oceania, it is my pleasure to welcome you to the 7th World Congress for NeuroRehabilitation.

This Congress is dedicated to Innovations in NeuroRehabilitation and features lectures, symposia and workshops on the full spectrum of progress in the field, from advances in clinical practice to clinical and basic research. The speakers will be leading experts from around the world, and the program will incorporate many opportunities to interact with them.

Our venue is the award-winning Melbourne Convention and Exhibition Centre, located on the south bank of the Yarra River. A short stroll along the iconic south bank promenade will take you to the heart of Melbourne city. Melbourne is known as Australia’s culture, cuisine and events capital. I hope you will take advantage of all there is on offer in this wonderful city.

The Congress will be an exceptional opportunity for professional networking and the meeting of old and new friends. I look forward to seeing you at our educational and social events.

Thank you for joining us in Melbourne!

Professor Michael E Selzer
President, World Federation for NeuroRehabilitation

Dear Colleagues,

It is my privilege as Convenor and Chairman of the Organising Committee to welcome you to the 7th World Congress for NeuroRehabilitation in Melbourne. The Congress is held in conjunction with the 35th Annual Brain Impairment Congress for the Australian Society for the Study of Brain Impairment (ASSBI) and the 20th ASM of the Australasian Faculty of Rehabilitation Medicine, RACP.

The Congress has been organised to provide a forum for the presentation of international research, discovery and innovation in NeuroRehabilitation. It will be a focal point for local, national and international discussion and debate regarding latest developments in all major areas within the field, including traumatic brain injury, multiple sclerosis, stroke, spasticity management, and neuro-oncology.

Over three days, the Scientific Program will include practical workshops, morning and early afternoon plenary sessions, themed symposia with invited speakers and selected free paper and poster sessions. Invited presentations will focus on the theme of innovation and new directions in NeuroRehabilitation. They will also cover updates in the understanding of the basic science of the condition and an evaluation of newer treatment options in the acute and rehabilitation settings, which includes emerging techniques in the various therapy disciplines.

Of equal importance to the scientific program will be the opportunity to network and socialise with fellow delegates. We also hope you will take the time to sample the best of Melbourne’s hospitality.

I would like to thank the executive of the WFNR and the sponsoring organisations for their help and guidance in putting this meeting together and hope you all go away having experienced a stimulating and enjoyable Melbourne experience.

Professor John Olver
Convenor and WFNR Regional Vice-President Oceania
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Acknowledgements

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Exhibitors

Exhibitors confirmed at time of printing

Allergan Australia P/L

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Korthotics

Medtronic

Mundipharma

Renew

Second Skin

Sonosite

St John of God Healthcare

Synapse Medical Services

Tyromotion GmbH

ASSBI Presidential Invitation

I am delighted to invite all members of ASSBI to the WCNR 2012 for three reasons. Firstly, this promises to be a world-class showcase of cutting edge clinical research in the field of rehabilitation. Secondly, the excellent social program will offer numerous opportunities for delegates to catch up with old friends and meet new ones. Finally, it provides an opportunity for us to visit Melbourne, which is one of the most exciting cities in the world. I congratulate the organising committee on a very exciting conference and I look forward to seeing you all in Melbourne in May 2012.

Associate Professor Leanne Togher
President, ASSBI

RACP Presidential Invitation

I am delighted to welcome you to the 7th World Congress for NeuroRehabilitation. The Royal Australasian College of Physicians (RACP) is proud to join with the Australian Society for the Study of Brain Impairment (ASSBI) as co-host of the Congress, which is being held, in conjunction with the 35th Annual Brain Impairment Congress for ASSBI and the 20th Annual Scientific Meeting of the Australasian Faculty of Rehabilitation Medicine of the RACP.

I hope you find your attendance at WCNR informative, interesting and rewarding. The joint organising committee has worked collaboratively to deliver a stimulating scientific programme of the highest quality reflecting the multidisciplinary interest in neurorehabilitation internationally.

We look forward to welcoming you to Melbourne, Australia in May 2012.

John Kolbe, President RACP
WFNR Executive Committee

PRESIDENT
Professor Michael E Selzer
Director, Shriners Hospitals Pediatric Research Center, United States of America

PRESIDENT-ELECT
Professor Stephanie Clarke
Chef de Service, Service de Neuropsychologie et de Neuroréhabilitation Switzerland

TREASURER
Professor Klaus RH von Wild
Professor of Neurosurgery Frauenburgstrasse, Germany

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Professor Volker Hömberg
SRH GbW Bad Wimpfen and Heinrich Heine University Dusseldorf, Germany

PAST-PRESIDENT
Professor Michael P Barnes
Hunters Moor Neurorehabilitation Ltd United Kingdom

WCNR 2012 Organising Committee

Local Organising Committee
Dr Dominque Cadilhac
Austin Health, Vic

Professor Leeanne Carey
Austin Health, Vic

Mrs Sybil Cumming
Australian Facility of Rehabilitation Medicine, NSW

Dr Steven Faux
St Vincents Public Hospital, NSW

Dr Steve de Graaff
Epworth Rehabilitation Vic

A/Professor Jacinta Douglas
La Trobe University, Vic

A/Professor Barry Rawicki
Monash Medical Centre, Vic

Dr Gavin Williams
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Ms Natalie Fini
Caulfield General Medical Centre, Vic

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AGNI Healthcare, NSW

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The Rehabilitation Studies Unit, NSW

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Princess Alexandra Hospital, Qld

A/Prof Fary Khan
Royal Melbourne Hospital, Vic

Professor Jennie Ponsford
Monash - Epworth Rehabilitation Centre, Vic

Dr James Rice
Flinders University, SA

Dr Adam Scheinberg
Melbourne Royal Children’s Hospital, Vic

Professor Robyn Tate
Royal Rehabilitation Centre Sydney, NSW

Congress Organisers

DC Conferences Pty Ltd
PO Box 637 North Sydney NSW 2059
P +61 2 9954 4400
F +61 2 9954 0666
W www.dcconferences.com.au
E wcnr2012@dcconferences.com.au

For online registration and Congress updates please visit:
Congress Venue and Host City

Melbourne Convention & Exhibition Centre
1 Convention Centre Place, South Wharf 3006
GPO Box 777  |  Melbourne, Victoria  3001
P  +61 3 9235 8000
F  +61 3 9235 8001
E  wcnr2012@dcconferences.com
W  www.mcec.com.au

Centrepiece of Melbourne’s new South Wharf development is the award-winning Melbourne Convention and Exhibition Centre (MCEC) - Australia’s most versatile convention and exhibition facility. Visitors looking for a truly Melbourne experience will find it encapsulated here at the centre. Victoria’s art, entertainment, culture, food and wine are all on show amidst the stunning buildings of this architecturally groundbreaking complex.

Conveniently located, the centre is close to restaurants, hotels, public transport hubs and taxis and just 20 minutes drive from Melbourne Airport. A short stroll along the Yarra River’s Southbank Promenade delivers you to the heart of Melbourne city - Australia’s acknowledged culture, cuisine and events capital where visitors can enjoy a perfect café latte by day or an excellent local wine or microbrew by night.

About Melbourne

Frequently voted one of the world’s most liveable cities, Melbourne is celebrated for its friendly locals, efficient services, fine wine and dining, and world-class facilities.

From museums to zoos and galleries to gardens, Melbourne’s attractions draw visitors from around the world and offer great activity options beyond the congress schedule.

It is within Melbourne’s hidden laneways that the city comes to life. Tap into Melburnians’ contagious passion for coffee at chic cafés and sample award-winning local beer and wine at “hole in the wall” bars. For an insight into local culture visit Melbourne’s independent art galleries and shop at its many boutique stores showcasing the best of Australian and International designers.

Just an hour’s drive from the city and you’re amidst the spectacular scenery and wildlife of regional Victoria. Take your pick from 100 local vineyards, rest and relax at a renowned day spa, or tee-off on a world-class golf course. From Phillip Island and the Great Ocean Road, to the Mornington Peninsula, Yarra Valley and Dandenong Ranges, the state has something to interest everyone.

Melbourne is a city on show; cool and sophisticated, diverse and cosmopolitan - a destination that offers a revitalising experience and promises a memorable stay.
Professor Randolph J Nudo

Professor Nudo is Director of the Landon Center on Aging in the Molecular and Integrative Physiology Department, Kansas University Medical Center, Kansas City. He is recognized internationally for his work on the effects of rehabilitative training on functional plasticity after stroke, and is collaborating with engineers to develop micro implantable devices for repairing neural circuits after stroke and TBI.

Dr Maurizio Corbetta

Dr Corbetta is the Norman J. Stupp Professor of Neurology, Radiology, & Anatomy and Neurobiology at the Washington University School of Medicine in Saint Louis, USA.

Professor Bruce Dobkin

Bruce Dobkin is Professor of Neurology and he directs the Neurologic Rehabilitation Program at the University of California, Los Angeles. He edits the official WFNR Journal and the American Society of NeuroRehabilitation, Neurorehabilitation and Neural Repair, the top-ranked journal in its field.

Dr Tessa Hart

At Moss Rehabilitation Research Institute in Philadelphia, Pennsylvania, Dr Hart is an institute scientist. In this capacity she directs the Traumatic Brain Injury Clinical Research Lab and the Moss Traumatic Brain Injury Model System, one of 16 centers of excellence for TBI care in the USA.

Professor Jurg Kesselring

Professor Kesselring is Head of the Department of Neurology at the Rehabilitation Centre in Valens, Switzerland. He received his MD in Berne, after training in St Gallen, Lübeck, Banbury, Oxford & Berlin. He has also served several times as Senior Honorary Research Fellow at the Institute of Neurology, London.

Dr Klemens Fheodoroff, MD

Dr Fheodoroff is first Assistant Medical Director in the Scientific Advisory Board of the Austrian Society for Neurological Rehabilitation (OGRN) and lectures at Danube University Krems - Neurorehabilitation and ICF.

Professor Robert Teasell

Professor Teasell is Chair-Chief in the Department of Physical Medicine and Rehabilitation, Schulich School of Medicine, at the University of Western Ontario, Canada, and at Parkwood Hospital, St Joseph’s Health Care, London. He is also a clinical scientist at the Lawson Health Research Institute, Canada.
### Program Overview | Morning 7.30am - 1.30pm

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<th>Wednesday 16 May 2012</th>
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<tr>
<td>7.30am</td>
<td>Registration opens</td>
<td>7.30am - 8.30am</td>
<td>Breakfast Session 1 - Meet the Editors</td>
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<td>7.30am - 8.30am</td>
<td>Breakfast Session 2 - Meet the Professor A</td>
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<td>9.00am - 12.30pm</td>
<td>9.00 Opening &amp; Welcome by Professor John Olver</td>
<td>9.00 PLENARY SESSION 2 The Norrington Lecture</td>
<td>9.00 PLENARY SESSION 5 Jurg Kesselring Neurorehabilitation in MS - Applied Neuroplasticity</td>
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<td>9.20 Message from 3 x Presidents of WFNR, AFRM, ASSBI</td>
<td>9.30 PLENARY SESSION 3 Robert Teasell Knowledge to Action in Stroke Rehabilitation: Clinical Implementation of Best Evidence</td>
<td>9.30 PLENARY SESSION 6 Maurizio Corbetta Spontaneous Brain Activity: A Key for Understanding the Mind and the Pathophysiology of Brain Diseases</td>
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<td>9.45 PLENARY SESSION 1 The Michael Barnes Lecture Randolph Nudo Harnessing the Potential of Neuroplasticity to Improve Recovery after Brain Injury</td>
<td>10.00 PLENARY SESSION 4 Klemens Fheodoroff Spasticity, Functioning &amp; Control of Voluntary Movements</td>
<td>10.00 PLENARY SESSION 7 The Burniston Oration Bruce Dobkin Confounders and Proposed Solutions for Neurorehabilitation Clinical Trials</td>
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<td>10.30am</td>
<td>MORNING TEA</td>
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<td>11.00am</td>
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<td>CONCURRENT SYMPOSIA SESSIONS 4</td>
<td>CONCURRENT SYMPOSIA SESSIONS 7</td>
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<tr>
<td></td>
<td>1A. Basic Science 1: Foundations for NeuroRehabilitation</td>
<td>4A. Psychological Management of Stroke</td>
<td>7A. Stroke 3 - Past stroke rehab: Cutting edge or more of the same?</td>
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<td>1B. Traumatic Brain Injury 1</td>
<td>4B. Multiple Sclerosis 1</td>
<td>7B. Rapid Poster/Submitted Symposia</td>
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<td>1C. Evidence-based psycho-social rehabilitation of survivors of child and adolescent traumatic brain injury</td>
<td>4C. Spinal Cord</td>
<td>7C. Gait Disorder</td>
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<td>1D. Spinal Cord Injury 1</td>
<td>4D. Cerebral Palsy</td>
<td>7D. Multiple Sclerosis 2</td>
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<td>1E. Management of people with stroke who fall</td>
<td>4E. Recently completed large randomized controlled clinical trials supporting physiotherapy in Parkinson’s Disease (PD)</td>
<td>7E. NeuroRehabilitation in Developing Countries</td>
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<td>1F. Stroke (focus on spasticity)</td>
<td>4F. Spasticity / Other</td>
<td>7F. Measuring Outcomes in NeuroRehabilitation: When the FIM/FAM and Barthel are not good enough</td>
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<td>LUNCH</td>
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### Program Overview | Afternoon 1.30pm - Evening

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<td>1.30pm - 5.00pm</td>
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<td><strong>Workshops</strong></td>
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<td><strong>CONCURRENT SYMPOSIA SESSIONS 2</strong></td>
<td><strong>CONCURRENT SYMPOSIA SESSIONS 5</strong></td>
<td><strong>CONCURRENT SYMPOSIA SESSIONS 8</strong></td>
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<tr>
<td>2A. Stroke 1: Lost in Translation - The Alchemy of Research</td>
<td>5A. Measuring Function ICF</td>
<td>8A. Spasticity 2</td>
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<td>2B. Traumatic Brain Injury 2</td>
<td>5B. Cerebral Palsy</td>
<td>8B. Service Delivery</td>
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<td>2C. Activity-based Rehabilitation: Locomotor Recovery after Chronic Paediatric Spinal Cord Injury</td>
<td>5C. Spasticity</td>
<td>8C. Postural Disorders after Stroke, Theory and Practice</td>
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<td>2D. Neurodegenerative Conditions: Rehabilitation Opportunities</td>
<td>5D. Imaging and Plasticity 2: Targeting rehabilitation based on viable brain networks</td>
<td>8D. Clinical Trials in NeuroRehabilitation: Taking Stock and Moving Forward</td>
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<td>2E. Update on the effectiveness of transcranial direct current stimulation (tDCS) in NeuroRehabilitation</td>
<td>5E. Title to be confirmed</td>
<td>8E. Traumatic Brain Injury 4</td>
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<td>2F. Title to be confirmed</td>
<td>5F. Stroke</td>
<td>8F. Education Models from NeuroRehabilitation</td>
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<td>3.30pm</td>
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<td><strong>CONCURRENT SYMPOSIA SESSIONS 3</strong></td>
<td><strong>CONCURRENT SYMPOSIA SESSIONS 6</strong></td>
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<td><strong>CLOSING SESSION</strong></td>
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<td>3A. Stroke 2: Post-stroke Cognition - Can we be smarter?</td>
<td>6A. Basic Science and NeuroRehabilitation</td>
<td><strong>NeuroRehabilitation:</strong> 7 presenters, 7 minutes, 7 years into the future</td>
<td><strong>NeuroRehabilitation:</strong> 7 presenters, 7 minutes, 7 years into the future</td>
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<td>3B. Imaging &amp; Plasticity 1</td>
<td>6B. Movement Disorder</td>
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<td>3C. Neuro Oncology</td>
<td>6C. Stroke</td>
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<td>3D. Spinal Cord Injury 2</td>
<td>6D. Rapid Poster Session</td>
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<td>3E. Traumatic Brain Injury 3</td>
<td>6E. Rehabilitation Robotics: The State-of-the-Art</td>
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<td>3F. Motor Rehabilitation and Plasticity across CNS Impairments: Not all training is good (or good enough)</td>
<td>6F. Goals in NeuroRehabilitation: Rethinking meaning, engagement and outcomes</td>
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<td>5.00pm</td>
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<td><strong>ASSBI Presidential Address</strong></td>
<td><strong>WFNR General Assembly</strong></td>
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<td>5.45 - 6.45pm</td>
<td><strong>AFRM AGM</strong></td>
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<td>6.00 - 7.30pm</td>
<td><strong>ALLERGAN Sponsored Symposium</strong></td>
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<td>7.00 - 11.00pm</td>
<td><strong>Congress Gala Dinner</strong></td>
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<td><strong>The Great Hall, National Gallery of Victoria International</strong></td>
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**AFTE**

**CONCURRENT SYMPOSIA SESSIONS 4**

**5A. Measuring Function ICF**

**5B. Cerebral Palsy**

**5C. Spasticity**

**5D. Imaging and Plasticity 2: Targeting rehabilitation based on viable brain networks**

**5E. Title to be confirmed**

**5F. Stroke**

**AFTE**

**CONCURRENT SYMPOSIA SESSIONS 7**

**6A. Basic Science and NeuroRehabilitation**

**6B. Movement Disorder**

**6C. Stroke**

**6D. Rapid Poster Session**

**6E. Rehabilitation Robotics: The State-of-the-Art**

**6F. Goals in NeuroRehabilitation: Rethinking meaning, engagement and outcomes**

**CLOSING SESSION**

**NeuroRehabilitation:** 7 presenters, 7 minutes, 7 years into the future

**Congress closes 4.30pm**
World Federation for NeuroRehabilitation presents its Biennial Congress

7th World Congress for NeuroRehabilitation

Pre Congress Workshops | Wednesday 16 May 2012

Attendance at Pre-Congress Workshops requires booking in advance via the online registration form.

Please indicate when registering which workshop you would like to attend, as numbers are limited | Fee - Au$100.00 per person, per workshop


Morning Workshops 9.00am - 12.30pm

Workshop 1
Neurological Music Therapy
Presenter
Prof Michael H Thaut
Colorado State University, USA

The intended audience for this workshop includes all neurorehab professionals.
Professor Thaut will present the neurobiological rationales and theories behind the use of music and rhythm as a stimulus for neurotherapy.

Key research findings will be presented, followed by a clinical overview of standardized NMT interventions in the areas of sensori-motor rehabilitation, cognitive rehabilitation, and speech / language rehabilitation.

Participants will come away with a working knowledge of the scientific foundations and clinical interventions associated with NMT, and an understanding of how to integrate materials and principles of NMT into their own practices.

Workshop 2
Interventions for Executive Function in Acquired Brain Injury
Presenter
Dr Tessa Hart
Moss Rehabilitation Institute, Philadelphia, USA

This workshop will review approaches to treatments that address executive function in acquired brain injury, including interventions targeting goal management, emotional regulation and problem-solving.

A review of remediation of executive function will be followed by detailed presentation of selected approaches with potentially wide application to a range of clinical problems.

The evidence base for various approaches will be discussed, but the main focus will be on sharing practical methods and ideas.

Audience members are encouraged to bring questions about difficult or interesting cases for group discussion.

Workshop 3
Upper Limb in Spinal Cord Injury
Presenters
Prof Arthur Prochazka
University of Alberta, Canada
Dr Maryam Zoghi
University of Melbourne, Vic
Dr Natasha van Zyl
Royal Melbourne Hospital, Vic
Allison Yates
University of Melbourne, Vic
Dr Arthur Hsueh
University of Melbourne, Vic
Cathy Cooper
Victorian Spinal Cord Service, Austin Health, Vic

Intended for physiotherapists, occupational therapists, rehabilitation consultants and neuroscientists, this workshop will focus on the upper limb after spinal cord injury. Topics will include neurophysiological evaluation of motor function, rehabilitation of upper limb function, management of brachial plexus injury, surgical procedures for improving upper limb function, and health economics of upper limb dysfunction.

Workshop 4
ICF Classification
Presenters to be confirmed

Part A
This ICF brief introductory course is intended to present the use of ICF Classification to define functioning and disability in neurological patients. Participants will learn about principles, use and applications.

Part B
Practical use of ICF in neurorehabilitation settings will be presented, followed by a brief debate on the advantages and problems of clinical and rehabilitation applications.
Computerised and Clinical Assessment and Management of Gait Dysfunction

Presenters
A/Prof Barry Rawicki
Monash Medical Centre, Vic
Dr Anna Murphy
Clinical Gait Laboratory, Southern Health, Vic

Clinical assessment of gait is integral to management of patients with a wide variety of impairments. Observational gait analysis, whilst cheap to perform and easy to organise has been shown to have a low inter and intrarater reliability even with expert assessors. Computerised gait analysis (CGA), though expensive, allows assessment across 3 planes simultaneously providing data on spatio temporal measures, kinematics (joint angles) and kinetics (forces). In complex gait dysfunction this allows accurate assessment of impairment. Several cases will be presented illustrating the value of CGA in appropriate situations.

Parkinson’s Disease: Promoting Exercise, Physical Activity and Wellbeing - PART A

Sponsored by
Update on Clinical Guidelines for Parkinson’s
Dr Samyra Keus Radboud University Nijmegen Medical Centre, The Netherlands
The ParkFit trial: Implications for Australia
Dr Marten Munneke Radboud University Nijmegen Medical Centre, The Netherlands
An Inter-professional model of services for people living with Parkinson’s
Prof Meg Morris Health Sciences, The University of Melbourne, Vic
Exercises for people with PD
Associate Professor Colleen Canning School of Physiotherapy, The University of Sydney, NSW

Modular Motor Therapy Approaches

Presenter | Prof Volker Hoemberg
Heinrich Heine University, Dusseldorf, Germany

Workshop 7 will present a modular approach to planning, applying and monitoring motor therapies in patients with motor problems. This modular concept enables reasonable compromise between using evidence based therapeutic procedures and individualised patient needs, and guarantees that all patients in rehab receive a quality proven treatment. Defined by severity of impairment each module describes main and ancillary procedures and assessment tools. Practical examples will be presented and augmented with video demonstrations. Intended audience members are physicians, nurses & motor therapists (eg Pts and OTs), and afterwards attendees will be equipped to define modular treatments in their own institutions.

Goal Setting and Rehabilitation Methods for People with Early Stage Alzheimer’s Disease

Presenter | Prof Linda Clare
School of Psychology, Bangor University, UK

Cognitive rehabilitation (CR) for people with early-stage dementia (PwD) aims to reduce functional disability by addressing personally meaningful goals in the everyday setting. PwD and their families work together with a health professional to identify needs and goals, and to devise and implement strategies for achieving these goals.

This workshop explores goal-setting and applying evidence-based restorative or compensatory strategies, such as methods for taking in new information or using assistive memory aids, to address these goals. Findings and experiences from the first randomised controlled trial of this approach will be presented.
**Pre Congress Workshops | Wednesday 16 May 2012**

Afternoon Workshops continued  1.30pm - 5.00pm

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| **Stroke Rehabilitation: Insights From Neuroscience and Imaging**  
**Presenters**  
Prof Leeanne Carey  Florey Neuroscience Institutes, Melbourne Brain Centre, Vic  
Prof Michael Nilsson  Hunter Medical Research Institute (from 2012) Australia  
A/Prof Jacinta Douglas  La Trobe University, Vic  
Dr Cathy Stinear  University of Auckland, New Zealand  
This workshop is aimed at therapists, rehab specialists, neurologists, neuroscientists and rehabilitation scientists. Its objectives are to:  
- Inform & challenge rehabilitation clinicians to adopt restorative approaches to stroke rehab based on current evidence from neuroscience and neuroimaging literatures.  
- Discuss the neuroscience evidence for a learning perspective on stroke rehabilitation.  
- Identify core concepts related to neural plasticity and rehabilitation.  
- Evaluate rehab approaches to common functions based on neuroscience evidence. | **Integrated Management of Spina Bifida and Hydrocephalus**  
**Presenters**  
Dr Mario Patricolo  Medcare Hospital, Dubai, UAE  
Mr Maximilian Cervellione  RMCH, Manchester, UK  
Dr Sabahat Asim Wasti  SKMC, Abu Dhabi, UAE  
Dr Giovanni Mosiello  Consultant Paediatric Urologist & Neuro-Urologist  
Bambino Gesu’ Children’s Hospital, Rome, Italy  
This session is intended for doctors, physiotherapists, occupational therapists, nurses, nurse assistants, and other allied specialties. It will cover updated guidelines, structure of multispecialistic clinics, modern diagnostics, minimally invasive treatment and global education. The workshop aims to provide a technical update, diffusion of SIG global goals and equalization of management worldwide. | **Ultrasound for Needle Guidance in Upper and Lower Limb Injections of Botulinum Toxin**  
**Presenters to be confirmed**  
This workshop will provide instruction and a hands on approach to the use of ultrasound guidance for injectors of botulinum toxin in the upper and lower limb. It will help clinicians to determine the value of using this approach compared with EMG or stimulators with which they may be more familiar. The workshop will cater to clinicians of all levels of experience in the use of botulinum toxin. | **Parkinson’s Disease: Promoting Exercise, Physical Activity and Wellbeing - PART B**  
**(This is a continuation of PART A)**  
Delegates must attend both Parts A & B  
Sponsored by  
**Current Medical management of PD**  
Prof Robert Iansek  Monash University, Vic  
Outcome measures and monitoring change  
Dr Jennifer McGinley  School of Physiotherapy, The University of Melbourne, Vic  
Dual task interference and effects of training  
Assoc. Prof. Sandra Brauer  Queensland University, Brisbane, Qld  
Viewpoint from 3 people with Parkinson’s: Voicing the needs and choices of people living with PD |

Attendance at Pre-Congress Workshops requires booking in advance via the online registration form.  
Please indicate when registering which workshop you would like to attend, as numbers are limited.  
Fee - Au$100.00 per person, per workshop
Breakfast Sessions | 7.30am - 8.30am

Attendance at Breakfast Sessions requires booking in advance via the online registration form. Please indicate when registering which session/s you would like to attend, as numbers are limited | Fee - Au$30.00 per person, per Breakfast Session

Friday 18 May 2012

Breakfast Session 1
Meet the Editors
Presenters
Prof Bruce Dobkin
University of California, Los Angeles, USA
A/Prof Jacinta Douglas
La Trobe University, Vic
Prof Robyn Tate
The University of Sydney, NSW

The Editors of 3 significant journals in neurorehabilitation will explore, via this interactive session, how to have a scientific paper successfully published. They will outline issues leading to acceptance or rejection of submitted articles. The session will be relevant to researchers of all disciplines who want to publish in the area of neurorehabilitation.

Breakfast Session 2
Meet the Professor: Part A
Practical Pharmacology in Neurorehabilitation
Presenter | Prof Volker Hoemberg
Heinrich Heine University, Dusseldorf, Germany

Designed for physicians in neurorehabilitation, this session will address the issue of which pharmacological agents should be used and which should be avoided. Questions can be raised in the areas of neuroprotection, depression, drugs in diminished states of consciousness, detrimental drugs, anticonvulsants and drugs facilitating brain recovery.

Saturday 19 May 2012

Breakfast Session 3
Pharmacologic Rehabilitation of Neurobehavioural Disturbances Following Traumatic Brain Injury
Presenter | Alan Weintraub MD
Medical Director Brain Injury Program
Rocky Mountain Regional Brain Injury System
Craig Hospital, Englewood, Colorado, USA

This presentation recognises the complex heterogeneity of TBI and will address the patho-anatomic and neurotransmitter correlates underlying such behavioural and cognitive dysfunction. A conceptual model for “neuro-chemical rebalancing” associated with specific neurologic recovery patterns and targeted symptoms utilising different classes of medications will be presented. This approach to “Rational” pharmacologic treatment is thereby aimed at facilitating effective rehabilitation during different states of recovery and optimising long-term outcomes. Ultimately, these approaches contribute to a more empiric evidence based model of clinical practice.

Breakfast Session 4
Meet the Professor: Part B
Practical Pharmacology in Neurorehabilitation
Presenter | Prof Volker Hoemberg
Heinrich Heine University, Dusseldorf, Germany

This session is a continuation of Meet the Professor: Part A
Thursday 17 May 2012

World Stroke Campaign Symposium

Ensuring Quality Care and Support After Stroke: A Call-to-Action

Platinum Sponsor

Prof John Olver
Monash University & Epworth Healthcare, Vic

Prof David Good
Penn State University, USA

Prof Geoffrey Donnan
Florey Neuroscience Institutes, Australia

Prof Anthony Ward
University Hospital of North Staffordshire, UK

Prof Bo Norrving
Lund University, Sweden

The intended audience for this symposium includes those policy makers and healthcare professionals involved in the provision of rehabilitation and management after stroke. It will review the converging evidence that neurorehabilitation and recovery are achievable in the long as well as the short term, and that this supports extension of the rehabilitation ‘window’ beyond the usual 3-6 months, post stroke. The audience will learn that early intensive rehabilitation improves function and quality-of-life and reduces stroke mortality and that sustained customised rehabilitation enhances/maintains early improvements for those who are motivated and able to continue. Also that caregiver burden reduces as stroke survivor independence is increased. This session will be a call-to-action for improved health systems to ensure long term rehabilitation of stroke survivors specifically in intensive constrained movement therapy, gait training, multi-modal spasticity management, stroke survivor and caregiver education, and regular annual stroke survivor assessment.

Friday 18 May 2012

New Perspectives for Spasticity Management with Botulinum Toxin

Gold Sponsor

IPS EN

Chairperson

Andrew Hughes, Australia

Presenters

Professor Jörg Wissel,
Klinikum Beelitz GmbH, Germany

Professor Lynne Turner Stokes
Herbert Dunhill Chair of Rehabilitation,
King's College London, UK

This session will cover the topics:

- Burden of disease and life after stroke from a motor impairment perspective
- Classification of posture in patients with post-stroke upper limb spasticity using an international database
- ULIS-II – First presentation of results from Botulinum Toxin for upper limb spasticity
### Symposia Sessions

The WCNR 2012 Symposia Program will be made up of invited and submitted presentations covering the following topics. Please refer to the Program Overview on pages 8 & 9 to see when the sessions relating to each topic are scheduled.

<table>
<thead>
<tr>
<th>Stroke</th>
<th>Traumatic Brain Injury</th>
<th>Spinal Cord Injury</th>
<th>Neurodegenerative Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cerebral Palsy</td>
<td>Movement Disorder</td>
<td>Service Delivery</td>
<td>Neurorehabilitation in Developing Countries</td>
</tr>
<tr>
<td>Spasticity</td>
<td>Imaging and Plasticity</td>
<td>Multiple Sclerosis</td>
<td></td>
</tr>
<tr>
<td>Basic Science</td>
<td>NeuroOncology</td>
<td>Spinal Innovations</td>
<td>Measuring Function ICF</td>
</tr>
<tr>
<td>Gait Disorder</td>
<td>Evidence-based psycho-social rehabilitation of survivors of child and adolescent traumatic brain injury</td>
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</tr>
</tbody>
</table>

**THE PROGRAM WILL ALSO FEATURE A POSTER DISPLAY LOCATED IN THE EXHIBITION AREA**
Satellite Meetings

Independently organised Pre and Post Congress satellite meetings will be held in Australia and the Asia-Pacific region in conjunction with WCNR 2012.
Further details for these satellites, including separate registration, are available on the websites below.

Saturday 12 & Sunday 13 May 2012
Establishing Collaborations and Priorities in Clinical and Translational Rehabilitation Research
Crowne Plaza Hotel Hunter Valley
430 Wine Country Drive, Lovedale, NSW
Transport from Sydney Domestic Airport and Sydney City, and return, will be arranged.
The objective of this satellite is to establish national and international networks and priorities for stroke rehabilitation research.
It is aimed at experienced stroke clinicians and researchers including basic scientists, and has the following goals ▶

▶ Identifying current high priority directions of stroke rehabilitation research
▶ Identifying priorities for near future research in stroke rehabilitation and recovery
▶ Developing networks and collaborations in stroke rehabilitation research to facilitate priorities and coordination of research programs
▶ Facilitate processes that help define / achieve consensus around standards and measures in stroke rehabilitation and recovery research
▶ Facilitate communication and planning between basic science researchers, and clinical researchers.

For further information on this satellite or to register, please visit the WCNR Congress website:

Tuesday 15 May 2012
ISRN - International Society of Restorative Neurology
Melbourne Convention & Exhibition Centre
1 Convention Centre Pl, South Wharf, Melbourne
This session will cover the topics:
▶ The history and principles of restorative neurology
▶ Nervous system injury and the new anatomy and physiology,
▶ Restorative interventions: Capitalising on residual functions
▶ The future of restorative neurology

Registration fee | Au$50.00 pp
For further information on this satellite visit
www.restorativeneurology.org
To register, please visit the WCNR Congress website

Sunday 20 - Wednesday 23 May 2012
The 3rd Asia-Oceanian Conference of Physical and Rehabilitation Medicine (in conjunction with The 11th Annual Scientific Meeting of Indonesian Physical Medicine and Rehabilitation Society)
Bali, Indonesia
For further information on this satellite or to register, please visit the AOCPRM Conference website
www.aocprm2012.org
Welcome Reception  
| Wednesday 16 May  
| 6.00pm - 8.00pm  | Main Foyer, Ground Floor  
| Melbourne Convention & Exhibition Centre  
| Included in registration fee for full delegates  
| Additional tickets  | Au$60.00pp  
| Dress - Smart Casual  

Join us for this casual start to the Congress with welcome drinks and a chance for delegates and sponsors to mingle with friends and colleagues amongst the industry exhibition.

Gala Dinner  
| Friday 18 May  
| 7.00pm - 11.00pm  | The Great Hall, National Gallery of Victoria: International  
| 180 St Kilda Rd, Melbourne  
| Au$100.00 pp  | Dress - Cocktail  
| (Not included in registration fee)  

The National Gallery of Victoria International is one of Australia’s most revered public art museums. The Gala Dinner will be held in the museum’s magnificent Great Hall, famous for Leonard French’s stunning stained glass ceiling. Join us for a memorable evening of sumptuous food and wine in this outstanding cultural institution. Transportation will be provided to and from the main hotel providers. Places are limited so we advise booking early to avoid disappointment.

Special Interest Group Meetings

The following SIG meetings will be held throughout the WCNR Congress Program. Meeting times will be available shortly.

- Clinical Pathways
- Cognitive Neurorehabilitation
- Driving
- Dysphagia
- Early Rehabilitation
- Ethics in Neurorehabilitation, practical use & clinical trials
- Measurement, Assessment, Classification
- Mild and Severe Brain Injury
- Neurologic Music Therapy
- Neuropathic Pain
- Neuropsychological Rehabilitation
- Paediatric Neurorehabilitation
- Robotics
- Spina Bifida and Hydrocephalus Panel
- Spinal Cord Injury
- Telederehabilitation
- Young Neurologists

Social Program

Discover the best of Melbourne and Victoria with a pre or post congress tour. Bookings for these tours need to be made directly with the tour operator and are not included in the WCNR registration.

For further details visit the WCNR website and select Optional Activities.

Melbourne City Highlights Tour

Known for its rich arts culture, magnificent architecture, fine restaurants, bars and beautiful gardens... come and see the best of Melbourne!

Yarra Valley and the Dandenong Ranges

Food, wine and wildlife await you just an hour’s drive from Melbourne, in the picturesque Yarra Valley. Known for its world-class wineries and radiant countryside the Yarra Valley epitomises Victoria in all its splendor. Also located within the Yarra Valley and set amongst forests and ferns, the Dandenong Ranges offer visitors an abundance of cafes, art galleries, shops and nurseries in the villages of the Dandenongs - perfect for a day trip or a weekend escape.

Great Ocean Road

Located in the south-western region of Victoria, Australia, the Great Ocean Road spans over 200km, winding through terrain and along the picturesque coastline of Victoria. Experience the rugged magic of the Great Ocean Road coastline, including the famous Twelve Apostles and lush rain forests.

Phillip Island Wildlife and Penguin Experience

Phillip Island is approximately a 2-hour scenic drive from Melbourne city and is home to the Phillip Island Penguin Parade and Koala Conservation Centre. Popular for day trips or longer stays, a visit to Phillip Island is the perfect way to see and interact with Australian wildlife including kangaroos, koalas, pelicans and of course penguins.

The following day tours have been arranged for delegates’ accompanying persons wanting to enjoy the sights and experiences of Melbourne and Victoria. Child friendly and hassle free, the following tours are a quality way to spend your time in this great city.

Visit the WCNR website for full descriptions of each tour & book via the online registration form.

THURSDAY 17 MAY 2012

Great Ocean Road Tour

7.45am - 9.30pm

Adults - Au$125.00   |   Children - Au$105.00

FRIDAY 18 MAY 2012

Melbourne City Highlights Tour

8.30am - 1.30pm

Adults - Au$65.00   |   Children - Au$45.00

SATURDAY 19 MAY 2012

Phillip Island Tour

10.45am - 10.00pm

Adults - Au$130.00   |   Children - Au$110.00

- Children = up to and including 15 years old
- Meals not included however there will be stops at local cafes and restaurants.
- Timings listed above are approximate only
- Pick up / drop off at Melbourne Convention Centre.

Meals not included however there will be stops at local cafes and restaurants.

Timings listed above are approximate only

Pick up / drop off at Melbourne Convention Centre.
Block bookings at special rates have been made with the hotels and apartments listed. Please book your accommodation through the Secretariat via the online registration form to obtain these rates. A credit card number is required to secure your booking. Delegates will settle the balance of their accounts on departure. If sharing a room with another delegate (other than a partner) please state their name on the registration form.

Accommodation bookings should be made with the Secretariat before 13 April 2012, as hotels will release group bookings after this date.

Cancellations and changes should be made through the Secretariat only. There is no guarantee that cancellations made within 30 days of the arrival date will receive a full refund as hotels reserve the right to charge a fee equal to 1 night’s accommodation or the full duration of the stay on any rooms cancelled within 30 days of the accommodation arrival date.

<table>
<thead>
<tr>
<th>Star Rating</th>
<th>Hotel</th>
<th>Distance to venue</th>
<th>Room type and bedding configuration</th>
<th>Room Rate</th>
<th>Breakfast Inclusions</th>
</tr>
</thead>
<tbody>
<tr>
<td>★★★★★</td>
<td>Hilton Melbourne South Wharf</td>
<td>onsite</td>
<td>Guest Room 1 King bed</td>
<td>Au$260.00</td>
<td>Breakfast included for 1 person only Additional breakfasts $30.00 pp</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>City View Room 1 King bed</td>
<td>Au$305.00</td>
<td>Breakfast included for 1 person only Additional breakfasts $30.00 pp</td>
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<td></td>
<td></td>
<td></td>
<td>Executive Room 1 King bed</td>
<td>Au$325.00</td>
<td>Breakfast included for 1 person only Additional breakfasts $30.00 pp</td>
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<tr>
<td>★★★★★</td>
<td>Crown Towers</td>
<td>5 min walk</td>
<td>Deluxe Room 1 King or 2 Queen beds</td>
<td>Au$320.00</td>
<td>Breakfast included for 1 person only Additional breakfasts $30.00 pp</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Luxe Room 1 King or 2 Queen beds</td>
<td>Au$265.00</td>
<td>Breakfast included for 1 person only Additional breakfasts $20.00 pp</td>
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<td></td>
<td></td>
<td>Standard Room 1 King or 2 Queen beds</td>
<td>Au$240.00</td>
<td>Breakfast included for 1 person only Additional breakfasts $20.00 pp</td>
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<tr>
<td>★★★★★</td>
<td>Crown Promenade</td>
<td>5 min walk</td>
<td>Studio Apartment 1 Queen bed</td>
<td>Au$185.00</td>
<td>Breakfast not included Buffet Breakfast $15.00 pp</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Studio Executive Apartment 1 Queen bed</td>
<td>Au$185.00</td>
<td>Breakfast not included Buffet Breakfast $15.00 pp</td>
</tr>
<tr>
<td>★★★☆</td>
<td>Rendezvous Hotel</td>
<td>10 min walk or tram</td>
<td>Deluxe Room 1 Double or 2 Single beds</td>
<td>Au$175.00</td>
<td>Breakfast not included Buffet Breakfast $28.00 pp</td>
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<td></td>
<td></td>
<td></td>
<td>Commerce Room 1 Queen or 2 Single beds</td>
<td>Au$205.00</td>
<td>Breakfast not included Buffet Breakfast $28.00 pp</td>
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Accommodation Options

Southbank Promenade

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<thead>
<tr>
<th>Distance</th>
<th>Room Rate</th>
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<tbody>
<tr>
<td>onsite</td>
<td>Au$260.00</td>
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<tr>
<td>5 min walk</td>
<td>Au$320.00</td>
</tr>
<tr>
<td>10 min walk or tram</td>
<td>Au$185.00</td>
</tr>
<tr>
<td>15 min walk or tram</td>
<td>Au$175.00</td>
</tr>
</tbody>
</table>

www.hiltonmelbourne.com.au
www.crowntowers.com.au
www.crownmetropol.com.au
www.crownpromenade.com.au
www.oakshotelsresorts.com/oaks-on-collins/
www.oakshotelsresorts.com/oaks-on-market/
www.rendezvoushotels.com

Australian Visa Information  All travellers to Australia (other than Australian & New Zealand citizens) are legally required to hold a valid visa. For more information visit: www.eta.immi.gov.au/

Disabled Facilities  If you require disability-specific facilities, please notify the Secretariat by indicating on your registration form.

Disclaimer  In the event of industrial disruption, Congress Organisers cannot be held responsible for any losses incurred by delegates. The program is correct at the time of printing, but the Congress Organisers reserve the right to alter the program if and as is deemed necessary.

Goods and Services Tax (GST)  Please note that all prices stated in this Registration Brochure are inclusive of 10% GST (Au$).

Quarantine  Australia is free from many plant and animal diseases prevalent in other countries. Very strict quarantine rules apply to importation of animals and plants, which cannot be brought into the country without prior application. Animal and plant products are also restricted.

Health  Vaccinations are not required unless you have come from a yellow fever-infected zone within 6 days prior to your arrival. You do not need any other health certificate to enter Australia.

Insurance  It is strongly recommended that delegates take out adequate travel and health insurance prior to commencement of travel. Further information can be obtained from your travel agent.

Liability  The Organising Committees and / or Congress Organisers shall not be held liable for personal accidents or losses or damage to private property of registered delegates of the Congress Delegates should make their own arrangements regarding personal insurance.

Prayer Rooms  The Melbourne Convention & Exhibition Centre has male and female prayer rooms located on the ground floor. Please ask venue staff for directions.

Time  Melbourne in May is 9 hours ahead of GMT. Travellers should note that crossing the International Dateline en route to Melbourne via the Pacific, means a day will be lost.

Letters of Invitation  Upon request, the Congress Secretariat will send a personal invitation to participate in the Congress. The letter of invitation is intended to assist visitors to raise travel funds or obtain travel visas and does not represent any commitment on the part of the WCNR Organising Committee, the WFNR Executive Committee or the Congress Organisers to provide any financial support.

Registration is available online only. Visit: www.dcconferences.com.au/wcnr2012

<table>
<thead>
<tr>
<th>Registration Fees</th>
<th>Early bird: Before 15 Feb 2012</th>
<th>After 15 Feb 2012</th>
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</thead>
<tbody>
<tr>
<td>*Member</td>
<td>Au$600</td>
<td>Au$700</td>
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<tr>
<td>Non-Member</td>
<td>Au$700</td>
<td>Au$800</td>
</tr>
<tr>
<td>Allied Health / Therapists</td>
<td>Au$450</td>
<td>Au$500</td>
</tr>
<tr>
<td><strong>Student / Trainee</strong></td>
<td>Au$300</td>
<td>Au$350</td>
</tr>
<tr>
<td>Additional Trade Rep Sponsors &amp; Exhibitors only</td>
<td>Au$400</td>
<td>Au$500</td>
</tr>
<tr>
<td>Pre-Congress Workshops</td>
<td>Au$100 ea</td>
<td>Au$100 ea</td>
</tr>
<tr>
<td>Breakfast Sessions</td>
<td>Au$30 ea</td>
<td>Au$30 ea</td>
</tr>
</tbody>
</table>

* Must be a current member of WFNR, ASSBI or AFRM
** Proof required - a letter from your supervisor / head of dept or equivalent must accompany your registration to qualify for this rate

Cancellation Policy  All cancellations must be provided to the Congress Secretariat in writing. For cancellations prior to 14 April 2012, a full refund, less a Au$150 processing fee will be provided. No refunds will be available for any cancellations received after this date however a substitute delegate may be nominated.