



**Engineers Australia's College of Biomedical Engineers (SA Branch),
The Society for Medical and Biological Engineering &
The Australasian College of Physical Sciences and Engineers in Medicine**

Jointly present

Rehabilitation robotics: can technology assist the recovery of motor function?

Speaker: Dr Ben Patritti, South Australian Movement Analysis Centre

This presentation will address the advantages and disadvantages of using robotics in the rehabilitation of individuals with movement abnormalities due to neurological and motor impairments. It will discuss outcomes from intervention studies using commercial rehabilitation robotic systems in the treatment of paediatric and adult patients, and how future developments of these technologies and integration with other rehabilitative techniques may enhance the user's experience and functional outcomes.

Ben received a B.App.Sc. in Sport and Exercise Science from UniSA and a B.Sc. (Hons) and PhD in Sports Science from Liverpool John Moores University, UK. He completed a post-doctoral fellowship at Boston University before undertaking a research associate and lab manager position at Spaulding Rehabilitation Hospital, Boston, under the direction of Dr. Paolo Bonato. While at Spaulding Rehabilitation Hospital he was involved in a trial investigating robotic-assisted gait training in children with cerebral palsy. He presently manages the South Australian Movement Analysis Centre at the Repatriation General Hospital in Adelaide.

Date: Tuesday 12th April 2011

Venue: Sir Robert Chapman Theatre
Engineers Australia
Level 11
108 King William Street,
Adelaide, SA, 5000

Time: 5:30pm refreshments
6:00pm talk

Cost: FREE for members and guests

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