

# Welcome to ISB 2015

The 25th Congress of the International Society of Biomechanics will be held at The Scottish Exhibition and Conference Centre (SECC), Glasgow, UK.

Sunday, 12th to Thursday, 16th July 2015

[Home](#)[Scientific Information](#)[Industry](#)[Help us with "The Experiment"!](#)[Registration](#)[Social Programme](#)

You are here: [Home](#) [Committee](#)

## Committee

### Local Organising Committee (leads)



**Professor Philip Rowe**

**University of Strathclyde**

**Professor of Rehabilitation Science & Biomechanics**

**Chair XXV ISB LOC**

Professor Rowe obtained a BSc Hons in mechanical engineering from the University of Birmingham (1982) followed by a PhD in Bioengineering from the University of Strathclyde (1990). For his PhD work he was awarded the European Society of Biomechanics, Clinical Biomechanics award in 1987. Since completing his PhD he has held various academic appointments at Queen Margaret University, Edinburgh, UK where he pursued his own research and was also responsible for research development within the school of Health Sciences. He re-joined the Bioengineering Unit at Strathclyde in September 2005 as part of the HealthQWest research consortium for which he was the Head of the Function for Living research programme. He is currently the leader of the Biomechanics Research group, The Director of the Centre for Robotic Orthopaedic Surgery at Strathclyde and the co-director of the Centre of Excellence in Rehabilitation Research. Professor Philip Rowe's main research areas lie in movement analysis, functional analysis and biomechanics of the human body in motion. His research has helped elucidate the clinical outcomes of various musculoskeletal and neurological disorders such as Knee replacement surgery, Hip replacement surgery, Hip fractures, back pain, Hyper-mobility syndrome, Patello-femoral pain syndrome, stroke and aging. He is especially interested in the application of science and engineering methods to patient treatment and also their use to quantify and analyse the clinical effects of rehabilitation services. He has major funded research in the use of robotics in orthopaedic surgery and rehabilitation, tele-rehabilitation and visualization of biomechanical data and orthotics.



**Dr Phil Riches**

**University of Strathclyde**

**Lecturer in Biomechanics**

**Scientific Programme Lead**

Dr Phil Riches graduated in Aeronautical Engineering from the University of Bristol in 1994. After an MSc in Bioengineering at the University of Strathclyde (1994-5), on returning to Bristol he investigated the microhardness anisotropy of compact bone for his PhD. In 1998 he was awarded a 3-year Wellcome Trust Research Training Fellowship in Mathematical Biology in which he developed poroelastic models of the intervertebral disc. Phil subsequently joined the Scottish School of Sports Studies as a biomechanics lecturer in 2001 and transferred to the Bioengineering Unit in 2007. His current duties include being the vice-chair of the University of Strathclyde Ethics Committee, Course Director for the MSc Biomedical Engineering and MRes in Biomedical Engineering, with an undergraduate teaching portfolio of classes in sports biomechanics and a postgraduate portfolio in tissue mechanics. Phil is also the academic manager of the tissue mechanics laboratory licensed under Scottish law to store and test cadaveric human tissue. Phil Riches is also a licensed anatomist in addition to chartered engineer status. Phil's research interests are primarily concerned with mathematically and experimentally describing the mechanical behaviour of cartilaginous tissue and bone in health and diseased states, in particular pertaining to low back pain and osteoarthritis. Complementary research interests lie in the biomechanical issues

encompassing computer assisted orthopaedic surgery, orthopaedic implants and techniques, wheelchairs and sports.



**Dr Andrew J Murphy**

**University of Strathclyde**

**Research Fellow**

**Exhibition and sponsorship Lead**

Dr Murphy obtained a BSc Hons in Sport and Exercise Science and an MRes in Biomedical Engineering from the University of Strathclyde (2004 and 2005), followed by a PhD in Bioengineering and Human Movement and Performance from Imperial College London (2009). For his PhD work he was awarded the Institution of Mechanical Engineers' 2008-2010 Best Medical Engineering PhD. He returned to Glasgow and the University of Strathclyde in 2010 to take a post as Research Fellow where key contributions are in relation to the design, development, and deployment of clinical mobility services, the management of Cerebral Palsy, gait analysis, assistive devices, and image processing. Other responsibilities include optimising departmental policy and mechanisms for Clinical Research Governance, and public engagement in science technology engineering and mathematics. Dr Murphy also works in an honorary role within the Greater Glasgow and Clyde National Health Service and has held consultancy and support positions for elite sporting bodies under UK Sport, Paralympics GB and GB Rowing. He has been, and remains, a major contributor to the organization of UK national and European international scientific conferences.

#### **Scientific Committee**

Dr Lynne Baillie ,Glasgow Caledonian University

Prof Richard Baker University of Salford

Dr Richard Black University of Strathclyde

Mr Roy Bowers University of Strathclyde

Prof Anthony Bull Imperial College London

Prof Aurelio Cappozzo Italian University of Sport and Movement

Mr John Colvin westMARC Southern General Hospital

Prof Bernie Conway University of Strathclyde

Prof Jack Crosbie The University of Sydney

Prof Sam Evans Cardiff University

Prof Dario Farina Aalborg University

Dr Jonathan Folland Loughborough University

Prof Terry Gourlay University of Strathclyde

Prof Malcolm Granat University of Strathclyde

Prof Madeline Greal University of Strathclyde

Dr Peter Hoskins University of Edinburgh

Prof Tracey Howe Glasgow Caledonian University

Prof Andrea Macaluso Italian University of Sport and Movement

Prof Alison McGregor Imperial College London

Prof Donal McNally University of Nottingham

Dr Barry Meadows westMARC Southern General Hospital

Dr Andrew Murphy University of Strathclyde

Dr Matt Pain Loughborough University

Prof Val Pomeroy University of East Anglia

Dr Phil Riches University of Strathclyde

Prof Neil Roberts University of Edinburgh

Prof Phil Rowe University of Strathclyde

Dr Hazel Screen Queen Mary University London

Dr Ben Stansfield Glasgow Caledonian University

Dr Marietta van der Linden Queen Margaret University Edinburgh

Prof Marco Viceconti The University of Sheffield

Prof Jim Woodburn Glasgow Caledonian University

Dr Peter Zioupos Cranfield University

