

FINAL PROGRAMME

- 09:00 - 10:00 **Coffee and registration**
- 10:00 - 10:20 **Introduction**
Adam Shortland, One Small Step, Guy's & St Thomas' Foundation Trust
- 10:20 - 10:40 **The RMS difference as a metric of trace difference**
Richard Baker, Professor of Clinical Gait Analysis, University of Salford
- 10:40 - 11:00 **Clinically meaningful change in gait velocity and cadence following treatment identified using ROC Curve analysis in children with Cerebral Palsy**
Trudy Griffiths, Physiotherapy Research Unit, Nuffield Orthopaedic Centre
- 11:00 - 11:20 **The challenge of visualizing biomechanical data for use in therapeutic rehabilitation**
David Loudon, School of Design, The Glasgow School of Art
- 11:20 - 11:40 **Muscle force visualisation for virtual reality assisted rehabilitation**
Gerben van der Werf, Motek Medical
- 11:40 - 12:00 **Coffee**
- 12:00 - 12:20 **Presentation of normalised temporal parameters for clinical gait analysis**
Julie Stebbins, Oxford Gait Laboratory, Nuffield Orthopaedic Centre
- 12:20 - 12:40 **Classification under ignorance using CaRBS: An application to Total Hip Arthroplasty**
Gemma Whatling, ARC Biomechanics and Bioengineering Centre
- 12:40 - 13:00 **Multi-dimensional scaling to reveal the structure of datasets**
Richard Baker, Professor of Clinical Gait Analysis, Salford University
- 13:00 - 14:00 **Lunch**
- 14:00 - 14:20 **Three-dimensional motion analysis using minimum measured-input models**
Lei Ren, School of Physical Sciences and Engineering, King's College London
- 14:20 - 14:40 **A comparison of two sequences of pelvic angle calculation**
Emma Pratt, Sheffield Teaching Hospitals Foundation Trust
- 14:40 - 15:00 **Reliability measures associated with time-series data: Not one size fits all**
Danny Rafferty, School of Health, Glasgow Caledonian University
- 15:00 - 15:20 **Coffee**
- 15:20 - 16:20 **Ambiguous, contradictory or redundant? Tackling gait data presentation for improved outcomes**
Discussion forum to establish a way forward
- 16:20 - 16:30 **Close**