

CONFERENCE PROGRAMME

DATE:

November 30th & December 1st, 2023

TIME:

9:00 AM - 17:00 PM

VENUE:

Technology and Innovation Centre, University of Strathclyde, Glasgow



KEYNOTE SPEAKERS



Sandra Sexton

Founder of RehabSkills Ltd. & Consultant Prosthetist/Orthotist



Peter Kyberd

Interim Head of School, Built and Natural Environment, University of Derby



Cleveland Barnett

Associate Professor, Nottingham Trent University



Carson Harte

Chief Executive Officer at Exceed Worldwide Group

Thursday 30th November 2023

08:00 - 08:45

Registration

USER OUTCOMES

09:00 - 09:30	David Constantine	Welcome and Introduction
09:30 - 10:00	Sandra Sexton	Keynote
10:00 - 10:15	Sally Gates	The Role of Orthoses in the Management of Symptomatic Flat Feet in Children
10:15 - 10:30	Ben Hicks	Developing quantitative ultrasound techniques for the detection of early-stage DTI in lower limb prosthetic users
10:30 - 10:45	Hannelore Williams-Reid	Wound Management, Healing, and Early Prosthetic Rehabilitation: A Scoping Review of Biomarkers
Break		
11:05 - 11:20	Lesley Davidson	"Only if the user complies" - Repair and maintenance in myoelectric user manuals
11:20 - 11:35	Lois Galletly	Gender-specific considerations and female representation in prosthetic socket research and design
11:35 - 11:50	David Rusaw	Test-retest reliability of the Falls Efficacy Scale International for lower limb prosthesis users
11:50 - 12:05	Koalaa	Invited Speaker
12:05 - 12:25	Panel Discussion	
12:25 - 12:40	BAPO	Careers Talk
12:40 - 14:00	Lunch and Exhibition	
13:00 - 13:30	Posters	

NOVEL DESIGN & CONTROL IN P&O

14:00 - 14:30	Peter Kyberd	Keynote
14:30 - 14:45	Nicolaas Pickard	Adjustable prosthetic sockets: a systematic review of industrial and research design characteristics and their justifications
14:45 - 15:00	Emma Curati-Alasonatti	A Continuous Regional Oxygen Saturation Monitoring System for Lower Limb Prostheses using Near Infrared Spectroscopy
15:00 - 15:15	Sean Donald	The influence of material and design properties on the stiffness of rigid AFOs. An approach using finite element modelling
Break		
15:35 - 15:50	Angus Clark	Identifying the Design Requirements of Appropriate Suspension Systems for Lower-Limb Prostheses in LMICS
15:50 - 16:05	Hope Shaw	A preliminary study in relationship between sEMG and Clinical Myosignals for Myoelectric Prosthetics
16:05 - 16:00	Manuela Trejo	Restoring the sense of touch: Development of a low cost, wearable and customizable haptic feedback system for prostheses
16:20 - 16:30	Break	
16:30 - 16:45	Fergal Mackie	Invited Speaker
16:45 - 17:05	Panel Discussion	
17:05 - 17:20	Steeper	Sponsor Session - "The Future of P&O"

Welcome Drinks Reception



David Constantine
ISPO President



Koalaa Prosthetics



BAPO
Bronze Sponsor



Fergal Mackie
Metacarpal
Co-founder and
CEO



Steeper
Silver Sponsor

Friday 1st December 2023

BIOMECHANICS IN P&O

09:00 - 09:30	Networking, refreshments and posters/exhibition	
09:30 - 10:00	Cleveland Barnett	Keynote
10:00 - 10:15	Nicolaas Pickard	A novel approach to measuring mechanical coupling between socket and residual limb in Trans-Radial amputees
10:15 - 10:30	Michael Baldock	Adjustable prosthetic sockets: Is motion capture capable of recording the influence of adjustment levels on the residuum-to-socket interface and gait performance? A feasibility study
10:30 - 10:45	Antony Crossman	Kinematics controlled ankle joint motion simulator: A phantom study
Break		
11:05 - 11:20	Tiereny McGuire	An FE model comparing force distribution between the intact femur and bone-implant interface of osseointegrated transfemoral amputees to better understand how forces are transferred under loading
11:20 - 11:35	Diana Toderita	Physical and mental health outcomes of osseointegration for above-knee amputees
11:35 - 11:50	Daniel Heitzmann	Residual limb sensitivity and its relation to balance – Results of a pilot study
11:50 - 12:05	Fiona Davie-Smith	Invited Speaker
12:05 - 12:20	Ottobock	Sponsor Session
12:25 - 12:40	Panel Discussion	

Lunch and Exhibition

P&O IN LOW RESOURCE SETTINGS

14:00 - 14:30	Carson Harte	Keynote
14:30 - 14:45	Vikranth Harthikote Nagaraja	Comparing repair practices of upper-limb prosthetics in the United Kingdom and India
14:45 - 15:00	Caitlin Edgar	Defining the Technical Specifications for Low-Cost Paediatric Prosthetic Knee Joints
15:00 - 15:15	Nicolaas Pickard	The introduction of an adjustable socket system for Trans-Radial amputees into a Ugandan clinical service
Break		
15:35 - 15:50	Raisul Akram	Mapping Gaps and Synthesising Evidence on Physical and Cognitive Impairments Assessment and Reporting in South Asian Countries: A Scoping Review
15:50 - 16:05	Nuwan Chanaka Gunarathne	Meththa Rehabilitation Foundation (MRF) success story of the 'Hub and Spoke' model in delivering rehabilitation services to the disabled in remote areas of Sri Lanka: 10 years of experience
16:05 - 16:20	Clément Favier	Invited Speaker
16:20 - 16:40	Panel Discussion	
16:40 - 17:00	Conference Committee	Closing and Prizes



Fiona Davie-Smith

Clinical Co-ordinator
for the Specialist
Prosthetics Service in
Scotland

ottobock.

Ottobock
Silver Sponsor



Assistive Technology

Clément Favier

Co-founder and
CEO of GO Assis-
tive Technology