

Posture and Mobility - Transnational Day of Shared Learning

Wednesday 30th January 2013

This event will be streamed live over the web so anyone can view the proceedings **online for free**.

The 'Transnational Day of Shared Learning in Posture and Mobility' is a day where presenters from Ireland and Scotland share their experiences in the field of Posture and Mobility.

The format involves a broad range of topics being presented in 'snapshot' 12 minute presentations, with time for questions. The link between Scotland and Ireland is made via WebEx, a web based video conferencing tool.

This day will be hosted by Engineers Ireland in Dublin and has been organised by their Seating and Mobility Group (SMIG) in conjunction with the Irish Posture Mobility Network (IPMN) and the Southeast Mobility and Rehabilitation Technology (SMART) Centre, Edinburgh.

This event can be attended in person in Dublin or can be viewed for free online either just at your desk with headphones or as a group in your local meeting room. You will then get a whole day of learning for free.

This is the second year Ireland and Scotland have linked for a day of shared learning. The 2013 agenda for the day is rich in variety and experience (please see below). This promises to be a great event.

To join the event online please register online prior to the event and check you have the correct system requirements, then just log in on the day – please see instructions below.

Below is the current agenda for the day and further instructions on viewing the event.

For any further questions from those wishing to participate/view online from Ireland please contact Joanne.McHughs at Joanne.McHugh@hse.ie.
For any further questions from those wishing to view online from the UK please contact James Hollington at james.hollington@nhslothian.scot.nhs.uk.

Event chaired by John Tiernan (IPMN chair)

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AGENDA

09.00 Opening Address

09.20 **Wheelchair and Seating Assistive Technology a Primary Need**, *Dr Rosie Gowran Lecturer Occupational Therapy, University of Limerick.*

09.40 **Equipment Procurement in the Community**, *Andrew Semple OT.*

10.00 **Posture Vs. Function: Where We Can Take And Where We Can Give?**, *Irina Jackson OT, Daughters of Charity, Navan Rd., Dublin.*

10.20 **Integrating Technology into Complex Seating Systems**, *Phelim Quinn, Clinical Engineer, Central Remedial Clinic, Dublin.*

10.40 **Upwardly Mobile**, *Brian Kinsella, Bioengineer & Orthotist, Orthotic Solutions, Dublin.*

11.00 COFFEE

11.30 **Increasing Basic Wheelchair Prescription Accuracy Using Online Training Videos for Therapists in Rural Scotland**, *Ruth Pawson, Occupational Therapist, NHS Highland Wheelchair service, Inverness and Andrew Hulse, Performance and Quality Manager NHS Highland, Inverness.*

11.50 **Understanding Foam - Chemistry And Characteristics**, *Craig Kirkwood, Clinical Engineer, Tayside Orthopaedic and Rehabilitation Technology (TORT) centre, Dundee.*

12.10 **Audit of MS and CP Special Seating Provision - Lessons Learnt for Future Care**, *Graham Henderson, Bioengineer, Southeast Mobility and Rehabilitation Technology (SMART) centre, Edinburgh.*

12.30 **Crash Testing In-House Manufactured Foam Carve Seating**, *Dr Peter Greene, Principal Bioengineer, West of Scotland Mobility and Rehabilitation Centre (WestMARC), Glasgow.*

12.50 **Best Practice Guidelines for Lying Support**, *Catherine Mathieson, Clinical Lead for Enabling Technology for Children - Children's Wheelchair and Seating Service, SMART Centre, Edinburgh.*

13.10 LUNCH

14.30 **Facilitating Intervention Effectiveness Studies Through Academic – Clinical Partnerships**, *Marie Kelly OT, PCCC Sligo.*

14.50 **Cashel Gold Star Initiative – A Community Based Universal Access Model**, *Anne Bradshaw, HSE Disability Services, HSE South.*

15.10 **An Explorative Study on the Sufficiency of the Irish Road Regulations for Powered Mobility Users**, *Jerry Selvaseelan Senior Occupational therapist, HSE- Dublin North Central.*

15.30 **Recommended Lap Belt Angles for Safer Wheelchair User Transport**, *Dr Ciaran Simms, Engineering Lecturer, TCD, Dublin.*

15.50 COMFORT BREAK

16.00 **Proposal for an undergraduate Graded Seating Module**, *Meadhbh Ni Ghiollain, Acting Practice Tutor TCD, Occupational Therapist Royal Hospital Donnybrook & Mary Hurley, Practice Tutor TCD/Snr. OT, Daughters of Charity Service, Dublin.*

16.20 **Numerical Modelling of Viscoelastic Foams for Wheelchair Seating**, *Dr Barry Duignan CEng, College of Engineering & Built Environment, DIT Bolton St.*

16.40 **The effectiveness of Special Seating provision for Nursing Home Residents**, *Orlagh Daly, Occupational therapist & KTP Associate, Seating Matters Ltd & University of Ulster.*

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About the Presenters...

Anne Bradshaw, *HSE Disability Services, HSE South.*

Anne has worked with the HSE in a development capacity for 12 years. Together with people with disabilities Anne commenced in 2006 the roll out of the HSE Gold Star Initiative Programme in South Tipperary. Anne holds an Honours Degree in Social Science from (BScS) and an Honours Masters of Business Degree in Human Resource Management (MBS in HRM), which focused on Disability and Employment opportunities for People with Disabilities in the Public Service in Ireland.

Orlagh Daly, *Occupational therapist & KTP Associate, Seating Matters Ltd & University of Ulster.*

Orlagh's work is on product development and research, and delivering training to allied health professionals all over the UK & Ireland on the importance of seating and correct positioning for their patients. She is currently researching the effectiveness of seating provision for nursing home residents, and working on the development of clinical training handbooks in seating and postural management. She is completing a Masters degree in Business Development and Innovation.

Dr Barry Duignan CEng, *College of Engineering & Built Environment, DIT Bolton St.*

Barry has lectured in mechanical engineering and computer modelling at DIT Bolton St since 1995 and has been programme coordinator of DIT's MSc in Engineering Simulation and Modelling since 2002. His recent research includes the modelling of viscoelastic foam for wheelchair seating. He has collaborated with Enable Ireland on several projects in recent years. He is a member of DIT's Centre for Elastomer Research.

Dr Rosie Gowran, *Lecturer in Occupational Therapy at the University of Limerick.*

Rosie's specific interests are occupational empowerment, human rights and sustainable healthcare policy development and implementation. She completed her doctorate 'Building a Sustainable Wheelchair and Seating Provision Community, Meeting Peoples' Primary Needs Now and in the Future', funded by the Health Research Board. As an action academic Rosie promotes using actionable translational stakeholder centred research. She is committed to facilitating middle ground sustainable solutions involving community of practice partnerships at a local, national and international level.

Dr Peter Greene, *Principal Bioengineer, West of Scotland Mobility and Rehabilitation Service, NHS Greater Glasgow and Clyde.*

Peter completed his PhD at the Bioengineering Unit, University of Strathclyde in 2003. He then entered the NHS as a trainee Bioengineer with the NHS Grampian Mobility and Rehabilitation Service in Aberdeen. In 2007 he achieved state-registration as a Clinical Scientist and joined Westmarc as a Senior Bioengineer. Since 2009 he has held the post of Principal Bioengineer at Westmarc and works with a team of 12 Bioengineers specialising in wheelchairs and seating.

Graham Henderson, *trainee bioengineer, SMART Centre NHS Lothian.*

Graham graduated with a BSc degree in Mechanical Design Engineering from the University of Glasgow in 2010. After graduating he began Institute of Physics and Engineering in Medicine's clinical scientist training scheme in Scotland. As part of this he completed an MSc degree in bioengineering at the University of Strathclyde and has since been working at the SMART Centre in Edinburgh as a trainee bioengineer and is working towards state registration as a clinical scientist.

Andrew Hulse, *Performance and Quality Manager, NHS Highland.*

Andrew has worked for NHS Highland Wheelchair and Seating Service for the past 3 years where he was employed as the NHS Highland Project Manager for the National Wheelchair and Seating Service Modernisation Project. He is now employed as the Performance and Quality Manager working toward the continual improvement of the service that is delivered.

Brian Kinsella, *Bioengineer & Orthotist, Orthotic Solutions, Dublin.*

Brian initially studied Mechanical Engineering, followed by a Masters in Bio-engineering. With experience in a range of fields from research in the Institute of Ophthalmology to Production Management, Brian completed another degree in

Prosthetics and Orthotics in 1994. In 1997 he set up a clinical practice as an orthotist with his colleague Ciarnaid Hayes. Their clinical practice works with physiotherapists and consultants in Crumlin Hospital, Enable Ireland and many Community Care areas.

Dr Craig A Kirkwood, *Principal Clinical Scientist NHS Tayside Assistive Technology Service.*

Craig has a BSc (Hons) in *Electrical and Electronic Engineering* and a PhD in *Bioengineering* from Strathclyde University, Glasgow. Recently he graduated with distinction in *Frontline Leadership and Management* (UHI & De Montfort Uni) and achieved an A in the pilot course of MITx in *Circuits and Electronics*. He has worked for the past 22 years in Tayside Wheelchair & Special Seating Service and has a wide experience of providing wheelchair and seating solutions.

Meadhbh Ní Ghiolláin, *Acting Practice Tutor Trinity College Dublin/Occupational Therapist, The Royal Hospital Donnybrook.*

Meadhbh graduated from The University of Teesside, Middlesbrough in 2006. She has since worked as an occupational therapist the National Rehabilitation Hospital, St Vincents University Hospital and the Royal Hospital Donnybrook, mostly in the area of neuro-rehabilitation. Meadhbh has been a practice tutor in Trinity College Dublin since April 2012.

Catherine Mathieson, *BSc Physiotherapy. Clinical Lead ETC – Enabling Technology for Children - Children's Wheelchair and Seating Service, SMART Centre, NHS Lothian.*

Catherine specialised in Paediatric Neurology early in her career. She has worked in ETC – the first dedicated children's service in Scotland and beyond - since its creation some 13 years ago. She co-leads the Scotland Promotional Group of PMG.

Ruth Pawson, *Occupational Therapist NHS Highland Wheelchair and Seating Service.*

Ruth Pawson, BSC (Hons) OT, PG Cert in 24 hour Postural Management (Oxford Brookes) works at NHS Highland Wheelchair and Seating Service at Raigmore Hospital, Inverness and is responsible in providing a service to clients both in the Highlands and the Western Isles. Developed a competence framework to assist in training remote teams to be able to issue and prescribe basic equipment to help reduce waiting times and this is due for piloting next year.

Jerry Selvaseelan, *Senior Occupational therapist, HSE- Dublin North Central.*

Jerry graduated in 1999 with a B.Sc degree in Occupational Therapy from Christian Medical College, Vellore, India. Has worked in a variety of settings in India, including an acute hospital service, community OT role in a leprosy mission hospital and a Centre for intellectual disabilities and autism. Since 2004 he has been working as a Senior Community OT with HSE- Dublin North Central as part of a primary care team.

Dr Ciaran Simms FTCD, *Lecturer in the School of Engineering at Trinity College Dublin.*

Ciaran is an Assistant Professor in the Department of Mechanical and Manufacturing Engineering. He is also a Principal Investigator in the Centre for Bioengineering in TCD. Prior to working in TCD he held research engineer positions with TNO Automotive in Delft and Detroit and with Denis Wood Associates in Dublin. Teaching and research interests include injury biomechanics and device design with a focus on human body modelling for impact applications and muscle tissue mechanics.

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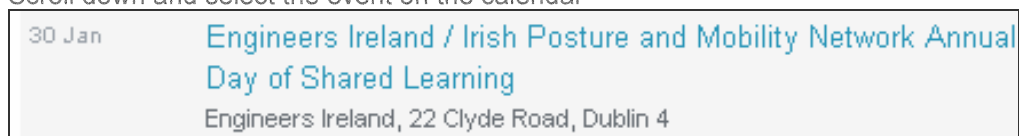
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Online Joining Instructions

1. Open up Engineers Ireland website <http://www.engineersireland.ie>
2. Click on 'Events'



3. Scroll down and select the event on the calendar



4. At the bottom of the page click under 'Can't attend, register [here](#) to view live'

Engineers Ireland / Irish Posture and Mobility Network Annual Day of Shared Learning

Date(s) Wednesday, 30 January 2013

OUTLOOK GOOGLE

Time(s) From 9:00 AM to 5:00 PM

Venue Engineers Ireland, 22 Clyde Road, Dublin 4

About the event

A multi-disciplinary event involving the Engineers Ireland Biomedical engineering division, the Irish Posture and Mobility Network and the IMechE's Engineering in medicine and health division.

The 2013 event will be run to the very successful format of previous years, incorporating 15 short presentations, with ample time allocated for questions and discussion in relation to the many wheelchair, seating and mobility-related matters.

What was cited by many as the highlight of the 2012 event - the videoconference link with the SMART Centre in Edinburgh - will feature again this year, with five presentations being delivered via videoconference, with the support of the IMechE.

Admission

€50 (includes lunch). Places are strictly limited and pre booking is essential - [Click here](#) to book on line for this event

[click here for full programme details](#)

Can't attend?

Register [here](#) to view it live!

5. Prior to registering scroll to bottom of page to check you have the appropriate players to view the event. PLEASE NOTE – if viewing from NHS sites IT may need to upgrade you players so please check in advance of the event. Additionally, please avoid viewing event from Internet Explorer version 6.0 – this may cause viewing difficulties.

Before you join the event, please [click here](#) to make sure that you have the appropriate players to view

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View if Flash Player test successful

Check QuickTime Player

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[Download QuickTime Player](#)



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6. Now click 'register' to register for the event

Event status: Not started ([Register](#))

Date and time: Wednesday, January 30, 2013 9:00 am
GMT Time (London, GMT)
[Change time zone](#)

Duration: 8 hours 30 minutes

Description:

By joining this event, you are accepting the Cisco WebEx [Terms of Service](#) and [Privacy Statement](#).

OR

[Register](#)

7. Fill in your details and click submit

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Please complete this form to register for the event. An asterisk (*) indicates required information.

English | London Time

Please answer the following questions.

* First name:	<input type="text" value="James"/>	* Last name:	<input type="text" value="Hollington"/>
* Email address:	<input type="text" value="James.hollington@nhsloth"/>	Phone number:	<input type="text" value="Country/region: 44 Number (with area/city code): (0)131 5379441"/>
* Confirm email address:	<input type="text" value="James.hollington@nhsloth"/>	Title:	<input type="text" value="Mr"/>
Company:	<input type="text" value="SMART Centre"/>		
Address 1:	<input type="text" value="Astley Ainslie Hospital"/>		
Address 2:	<input type="text" value="133 Grange Loan"/>		
City:	<input type="text" value="Edinburgh"/>	State/province:	<input type="text" value="Mid Lothian"/>
ZIP/postal code:	<input type="text" value="EH9 2HL"/>		
Country/region:	<input type="text" value="United Kingdom"/>		
Number of employees:	<input type="text" value="1-99"/>		

Would you like to receive information about future seminars?
☐ Yes ☒ No

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[Submit](#) [Cancel](#)

8. You will then receive a confirmation email and once you click done an email will be sent to you with an **event number** and **password**.

Registration Confirmed
Thank you for registering.

You are now registered for the event: **Posture and Mobility - Transnational Day of Shared Learning**

You will receive a confirmation email message that contains detailed information about joining the event.

The event will start at 9:00 am London Time on January 30, 2013.
Please join the event on time.

Done


Registration approved for Web seminar: Posture and Mobility - Transnational Day of Shared Learning

messenger@webex.com

[Click here to download pictures.](#) To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

To: Hollington, James

Attachments:  Posture and Mobility - Transnational Day of Shared Learning.ics (3 KB)

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Hello James Hollington,

Your registration was approved for the following Web seminar. We will start the event on time. Please join it at least 10 minutes before the scheduled starting time so you won't miss valuable information.

Topic: Posture and Mobility - Transnational Day of Shared Learning

Host: Engineers Ireland

Date and Time:

Wednesday, January 30, 2013 9:00 am, GMT Time (London, GMT)

Event number: 813 027 712

Registration ID: This event does not require a registration ID

Event password: IPMNBiom3001

To join the online event

[Click here](#) to join the online event.

Or copy and paste the following link to a browser:

<https://engineersireland.webex.com/engineersireland/onstage/g.php?d=843097742&t=a&jf=1&rId=8EA=james.hollington@40nhslothian.scot.nhs.uk&ET=8736d711b7306edafdb1d7c09540f4a2&ETR=9685b5fcc1ae6c845d8061bb1be1ba34&RT=M>

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For assistance

You can contact Engineers Ireland at:

sectorsupport@engineersireland.ie