

*Human Factors and Ergonomics: Lessons to be learned across domains;  
healthcare, manufacturing and transport*

Thursday 6<sup>th</sup> June 2019, Technical University of Dublin, Grangegorman Rathdown House Room RD005

Time	Title of session / presentation	Speaker(s)
9.00-9.15	<b>Registration</b>	
9.15-9.25	Safety in Health Systems Ireland – Welcome and Introduction	Dr. Marie Ward, CHI & TCD
9.25-9.45	A patient’s story on systems failures and the importance of patient safety advocacy	Ms. Cathriona Molly
9.45-10.30	<b>Keynote Address:</b> Understanding medical devices in the wild: a focus on intravenous infusion practice	Dr. Dominic Furniss, UCL & HRA
10.30-10.50	<b>Panel Discussion – Spotlight on Error in Healthcare</b> Task and Error Analysis of Intercostal Chest Drain Insertion  Do Gaps in Metacognition of Medication Errors inhibit Reporting and Open Disclosure?  Optimising the scanning of barcoded patient identification bands for in-patient blood sampling in a stand-alone maternity hospital	S. Kuan (MRHM) & Dr. A. O’Dea (RCSI) C. Duffy (SJH), G. Bass (TUH) & Dr. A. O’Dea (RCSI) S. Enright, Rotunda Hospital
10.50-11.00	<b>Tea / Coffee Break</b>	
11.00-11.20	The new HSE Patient Safety Strategy 2019-2024	Dr. Samantha Hughes, QAVD, HSE
11.20-11.35	<b>Facilitated Panel Discussion – Spotlight on Procedural Safety</b> Simulation & Systems: Improving the Door-To-Needle (DTN) Time for the Stroke Patient Reducing the Risk of Retained Foreign Objects: Preliminary Findings	F. Connaughton, D. Khalil, & D. Carolan OLOL, Drogheda Dr. S. Corrigan et al. CIHS, TCD
11.35-11.50	Socio-technical systems analysis of the application of RFID-enabled Technology to the transport of Precious Laboratory Samples.	Dr. Una Geary, SJH
11.50 -12.10	<b>Facilitated Panel Discussion – Spotlight on Hand Hygiene and Training</b> Investigating the predictors of hand hygiene in the ICU setting – A cross-sectional observational International hand hygiene compliance falls short of targets in Intensive Care Units - A systematic review Human Factors education of the Irish registered pre-hospital practitioner within the National Ambulance Service	E. O’Dowd et al. ICAPSS, NUIG K. Lambe et al. ICAPSS, NUIG D. Wade & A. Ormazabal, Nat Ambulance Service College
12.10-12.25	Socio-technical Systems Analysis of the implementation of the Integrated Care Programme for Older Persons	Mr. PJ Harnett & Dr. S. Kennelly, HSE
12.25-12.40	Governance of Risk in Healthcare	Prof. Nick McDonald, CIHS, TCD

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12.40-13.00	<b>Facilitated Panel Question and Answer Session and next steps for Safety in Health Systems Ireland</b>	
13.00	<b>Lunch</b>	
13.45-14.00	“Are stress and musculoskeletal disorders still problems in bus drivers?”	Penpatra Sripaiboonkij, Ronnapoom Samakkeekarom, Arroon Ketsakorn, University College Dublin
14.00- 14.15	“Gender Differences of Work-related Upper Limb Disorders in Health Care Workers – Ergonomics or Behaviour?”	Birgit Greiner and Dervla Hogan, University College Cork
14.15-14.30	“Doubling Down on Stair Usage: The Effect of Point of Decision Prompts on Stair Usage in a University Building”	Emer Barrett, Martina Mullin, Michelle Tanner, Katie Flanagan, Sophie Ryan, Serena White and Sorcha Griffin.
14.30-14.45	“A Human Factors Approach to Improve Visual Inspection for Aircraft Maintenance Tasks.”	Pat Codd, Victor Hrymak and Maria Chiara Leva, Technical University Dublin
14.45-15.00	“Task based risk assessment and monetised risk values for aviation maintenance activities: examples of evaluation for short cuts implications”	S. Caffrey, L. V. Lara, C. Murtagh, M. C. Leva, V. Hrymak, Technical University Dublin
15.00-15.15	“Human Factors Engineering and the redesign of a production line in a beverage manufacturing company”	Margaret Carroll and Maria Chiara Leva, Technical University Dublin
15.15-15.30	“The relationship between pneumatic cuff inflation pressure, discomfort/pain and tissue oxygenation at the lower limb: application to soft exoskeleton / exosuit interface design”	Tjaša Kermavnar, Kevin J. O’Sullivan, Adam de Eyto and Leonard O’Sullivan, University of Limerick.
15.30-15.45	“Exoscore – A design tool to evaluate factors associated with technology acceptance of soft lower limb exosuits by older adults.”	Linda Shore, Valerie Power, Bernard Hartigan, Adam de Eyto, Leonard O’Sullivan, University of Limerick.
15.45-16.00	Final addressing and closure for the conference	Leonard O’Sullivan & Maria Chiara Leva