



EUROPEAN
ROBOTICS FORUM

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ERF 2017 WORKSHOPS ON HAPTICS IN HEALTHCARE

organised by



Imperial College
London



Queen Mary
University of London



WS 1: Haptics in practice: How healthcare can benefit!

8:30 am	Welcome and introduction
8:40 am	Ayşe Kucukyilmaz, <i>Yeditepe University</i> Haptic Shared Control for Learning Assistance Policies by Demonstration on Powered Wheelchairs
8:50 am	Anuradha Ranasinghe, <i>Liverpool Hope University</i> Validating a novel robotic-assisted guiding control policy
9:00 am	Ildar Farkhatdinov, <i>Queen Mary University of London</i> Wearable exoskeleton for balance assistance
9:10 am	Group discussions on new healthcare applications for haptics
9:30 am	Group presentations and discussions
10:00 am	End of WS 1

Notes:



Discover Haptics
in touch with technology

Welcome to Discover Haptics - the site that tells you everything you want to know, and perhaps some things you did not know, about haptics - the science of touch feedback

WS 2: Pushing the boundaries of haptic research for Health: Current challenges

2:00 pm	Welcome and introduction
	Peter Culmer, <i>University of Leeds</i>
2:10 pm	High-Performance Soft Tactile Sensors using Flexible Coils And Applications of Haptics for Incontinence
	Thrishantha Nanayakkara, <i>Imperial College London</i>
2:20 pm	Morphological computation of perception and action during physical examination of soft tissue
	Emanuele Lindo Secco, <i>Liverpool Hope University</i>
2:30 pm	Wearable Haptics for VR Stiffness Discrimination
2:40 pm	Group discussions on haptic challenges
3:00 pm	Group presentations and discussions
3:30 pm	End of WS 2

Notes:



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WS 3: Successful translation of haptic technology for Healthcare: Towards increasing TRLs

4:15 pm	Welcome and introduction
4:25 pm	Fernando Bello, <i>Imperial College London</i> Haptics for Medical and Surgical Simulation
4:35 pm	Ildar Farkhatdinov, <i>Queen Mary University of London</i> Wearable haptics for deaf-blind horse-riding therapy
4:45 pm	Peter Culmer, <i>University of Leeds</i> Accelerating skill acquisition through haptics in dentistry and surgery
4:55 pm	Alastair Barrow, <i>Generic Robotics</i> Consumer haptics in healthcare
5:05 pm	Group discussions on how to accelerate TRL levels
5:30 pm	Group presentations and discussions
5:45 pm	End of WS 3

Notes:

