



EUROPEAN ROBOTICS FORUM

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EVENT PROGRAMME

22-24 March 2017

Edinburgh - Scotland - UK

www.erf2017.eu



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21 March	14:00 - Sidlaw		euRobotics General Assembly (euRobotics members only)				
22 March	SPARC (Pentland)	KUKA (Fintry)	SCHUNK (Sidlaw)	Harris 1	Harris 2	Ochil 1	Ochil 2 + 3
8.30 – 10.00		Harsh Environments Robotics for Nuclear Environments <i>Yasemin Bekiroglu</i>	AICoR AI and Robotics: Communicating the unmet need <i>Markus Vincze</i>	Health Haptics in practice: How healthcare can benefit! <i>Helge Wurdemann</i>	Standardisation Reproducibility in social robotics and HRI experiments <i>Adriana Tapus</i>	ELS A Tool for the Ethical and Legal Assessment of Non-military Drone Design and Deployment <i>Peter Novitzky</i>	Social Social Human-Robot Interaction in Public Spaces with Naive Users <i>Mary Ellen Foster</i>
10.00 – 10.45	Coffee break						
10.45 – 12.15	Official Opening						
12.15 – 14.00	Lunch break						
14.00 – 15.30	Success Stories The new H2020 robotics projects in the SPARC strategy <i>Cécile Huet</i>	ELS Ethics - Should society be afraid of robots? <i>Vincent C. Müller</i>	AICoR Towards Fully Autonomous Robots: Challenges for AI Planning in Robotics <i>Andrea Orlandini</i>	Maintenance and Inspection The Minimum Viable Product Approach: A way to bridge the valley of death in Inspection & Maintenance Robotics <i>Aksel Transeth</i>	Standardisation Medico-surgical-rehab robots: safety, standards and regulatory issues <i>Tamas Haidegger</i>	Health Pushing the boundaries of haptic research for Health: Current challenges <i>Helge Wurdemann</i>	Industrial Teaching by Demonstration for Industrial Applications <i>Yasemin Bekiroglu</i>
15.30 – 16.15	Coffee break						
16.15 – 17.45	AICoR AI for Robotics: where are the Fruit and how do we pick them? <i>Alessandro Saffiotti</i>	ELS Are robots a risk to our economy, esp. our jobs? <i>Vincent C. Müller</i>	Logistics Towards human robot collaboration in Logistics <i>Jesús Alfonso de la Riva</i>	Neurorobotics Introduction to the HBP Neurorobotics Platform <i>Alexander Kuhn</i>	Construction Construction Robotics - beyond industrial robots <i>Sigrid Brell-Cokcan</i>	Health Successful translation of haptic technology for Healthcare: Towards increasing TRLs <i>Helge Wurdemann</i>	System Engineering RobMoSys: the next level of a Model Driven Robotic Software Ecosystem <i>Herman Bruyninckx</i>
19.30-23.30	Welcome reception (National Museum of Scotland)						

23 March	SPARC (Pentland)	KUKA (Fintry)	SCHUNK (Sidlaw)	Harris 1	Harris 2	Ochil 1	Ochil 2 + 3
8.30 – 10.00	Success Stories Step Change Results from FP7 Projects <i>Cécile Huet</i>	ELS Do we need new laws to handle robots? <i>Vincent C. Müller</i>	Industrial Topic Group Industrial Robotics - Challenges and needs <i>José Saenz</i>	Social Strategies for Deploying and Delivering Ethical, Sustainable and Acceptable Assistive Robotic Solutions <i>Praminda Caleb-Solly</i>	Space iBOSS Workshop part 1: Space Robotics and Spacecraft design, production and operation <i>Joerg Kreisel</i>	Underwater Robocademy - A European Academy for Marine and Underwater Robotics <i>Thomas Vögele</i>	Success Stories Robots for disaster response <i>Bruno Siciliano</i>
10.00 – 10.45	Coffee break						
10.45 – 12.15	ELS How is law and regulation developing to address robotic technologies? Where we are and where we are heading. <i>Vik Khurana</i>	Awards Tech Transfer Award Nominees presentations <i>Martin Haegele</i>	Agri-Food Robotics for Agri-Food: Echord++ Experience <i>Paolo Dario</i>	Industrial 4th Workshop on Hybrid Production Systems (I) <i>Ramez Awad</i>	Space iBOSS Workshop part 2: Space Robotics and Spacecraft design, production and operation <i>Joerg Kreisel</i>	Innovation IPR and patents training (I) <i>Dimitrios Chrysostomou</i>	Social The contemporary Societal Applications of Social Robots and the Barriers to the Market <i>Amit Kumar Pandey</i>
12.15 – 14.00	Lunch break						
14.00 – 15.30	AICoR AI & Robotics: Delivering platforms and integration tools <i>Markus Vincze</i>	Awards* Entrepreneurship Workshop : Final Pitch <i>Jon Agirre Ibarbia</i>	Agri-Food Agri-food robotics: state of the art and future challenges <i>Gert Kootstra</i>	Industrial 4th Workshop on Hybrid Production Systems (II) <i>Ramez Awad</i>	Space H2020 SRC Space Robotics Technologies Future Roadmap <i>Daniel Noelke</i>	Innovation IPR and patents training (II) <i>Dimitrios Chrysostomou</i>	Health Healthcare Topic Group cluster activities <i>Christophe Leroux</i>
15.30 – 16.15	Coffee break						
16.15 – 17.45	Industrial Collaborative robots in Europe: overcoming current barriers for use in manufacturing <i>Shirley Elprama</i>	ELS Overview and discussion of the study “European Civil Law Rules in Robotics” <i>Karin Röhricht</i>	Perception Perception Challenges in Times of Deep Learning and Cognition <i>Michael Suppa</i>	Health The past, present and future of European service robotics for eldercare and assisted living <i>Dimitrios Tzovaras</i>	Space H2020 SRC Space Robotics Technologies Preliminary Results and Impacts <i>Daniel Jones</i>	Mining Robotics in mining - where we are and where we want to be <i>Piotr Kasza</i>	Systems Engineering Progress in Robot Modeling - Why Modeling is Crucial for Success <i>Andreas Müller</i>
19.00 – 23.00	Banquet & Award Ceremony (National Museum of Scotland)						

24 March	SPARC (Pentland)	KUKA (Fintry)	SCHUNK (Sidlaw)	Harris 1	Harris 2	Ochil 1	Ochil 2 + 3
8.30 – 10.00	AICoR Combining IoT, robotics and AI: where is the added value, where are the challenges? <i>Mauro Dragone</i>	Social Empathic Human-Robot Interaction: A Joint Industry-Academia Outlook for the Future <i>Kerstin Dautenhahn</i>	Logistics Robust and long term operation of robotics for Logistics <i>Jesus Alfonso de la Riva</i>	Standardisation Standards and Standardisation for Robots <i>Theo Jacobs</i>	Competitions European robotics competitions and challenges: status quo and lessons learned (I) <i>Agostino De Santis</i>	Health Robotic surgery in the European researchers community <i>Marta Capiluppi</i>	
10.00 – 10.45	Coffee break						
10.45 – 12.15	AICoR AI for Long-Term Autonomy in Robot Applications <i>Nick Hawes</i>	Health Ethical, Legal, and Social Aspects of Healthcare Robotics (part 1) <i>Sanja Dogramadzi</i>	Innovation Development & Learning from Technology Transfer Initiatives Towards Digital Innovation Hubs <i>Jeremy Hadall</i>	Miniaturised Towards a European open platform on miniaturised robotics (I) <i>Nicolas Andreff</i>	Competitions European robotics competitions and challenges: status quo and lessons learned (II) <i>Agostino De Santis</i>		Maintenance & Inspection Aerial Robotics Inspection: from prototypes to industrial applications <i>Anibal Ollero</i>
12.15 – 13.30	Lunch break						
13.30 – 14.00	ERF2017 Feedback Session						
14.00 – 15.30	AICoR Case studies and future needs of long term navigation and reasoning <i>Markus Vincze</i>	Health Multidisciplinary in Robotic Exoskeleton Technology <i>George Nikolakopoulos</i>	Competitions Now coming: Research Reproducibility in Robotics <i>Fabio Bonsignorio</i>	Miniaturised Towards a European open platform on miniaturised robotics (II) <i>Nicolas Andreff</i>	Systems Engineering Agile for Robotics <i>Damien Sallé</i>		ELS Ethical, Legal, and Social Aspects of Healthcare Robotics (part 2) <i>Eduard Fosch Villaronga</i>

** Entrepreneurship Workshop (restricted access)

22 March		Carrick 1
14.00 – 15.30	Entrepreneurship Workshop: Pitches (restricted access)	
16.15 – 17.45	Entrepreneurship Workshop: Pitches (restricted access)	
23 March		Carrick 1
8.30 – 10.00	Entrepreneurship Workshop: Coaching session (restricted access)	

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The programme reflects the status as of 9 March 2017.