



# EUROPEAN ROBOTICS FORUM

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## EVENT PROGRAMME

**22-24 March 2017**

Edinburgh - Scotland - UK

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**[www.erf2017.eu](http://www.erf2017.eu)**

<b>21 March</b>	14:00 - Sidlaw		<b>euRobotics General Assembly (euRobotics members only)</b>				
<b>22 March</b>	<b>SPARC (Pentland)</b>	<b>KUKA (Fintry)</b>	<b>SCHUNK (Sidlaw)</b>	<b>Harris 1</b>	<b>Harris 2</b>	<b>Ochil 1</b>	<b>Ochil 2 + 3</b>
8.30 – 10.00		<b>Harsh Environments</b> Robotics for Nuclear Environments <i>Yasemin Bekiroglu</i>	<b>AICoR</b> AI and Robotics: Communicating the unmet need <i>Markus Vincze</i>	<b>Health</b> Haptics in practice: How healthcare can benefit! <i>Helge Wurdemann</i>	<b>Standardisation</b> Reproducibility in social robotics and HRI experiments <i>Adriana Tapus</i>	<b>ELS</b> A Tool for the Ethical and Legal Assessment of Non-military Drone Design and Deployment <i>Peter Novitzky</i>	<b>Social</b> 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	<b>Official Opening</b>						
12.15 – 14.00	Lunch break						
14.00 – 15.30	<b>Success Stories</b> The new H2020 robotics projects in the SPARC strategy <i>Cécile Huet</i>	<b>ELS</b> Ethics - Should society be afraid of robots? <i>Vincent C. Müller</i>	<b>AICoR</b> Towards Fully Autonomous Robots: Challenges for AI Planning in Robotics <i>Andrea Orlandini</i>	<b>Maintenance and Inspection</b> The Minimum Viable Product Approach: A way to bridge the valley of death in Inspection & Maintenance Robotics <i>Aksel Transeth</i>	<b>Standardisation</b> Medico-surgical-rehab robots: safety, standards and regulatory issues <i>Tamas Haidegger</i>	<b>Health</b> Pushing the boundaries of haptic research for Health: Current challenges <i>Helge Wurdemann</i>	<b>Industrial</b> Teaching by Demonstration for Industrial Applications <i>Yasemin Bekiroglu</i>
15.30 – 16.15	Coffee break						
16.15 – 17.45	<b>AICoR</b> AI for Robotics: where are the Fruit and how do we pick them? <i>Alessandro Saffiotti</i>	<b>ELS</b> Are robots a risk to our economy, esp. our jobs? <i>Vincent C. Müller</i>	<b>Logistics</b> Towards human robot collaboration in Logistics <i>Jesús Alfonso de la Riva</i>	<b>Neurorobotics</b> Introduction to the HBP Neurorobotics Platform <i>Alexander Kuhn</i>	<b>Construction</b> Construction Robotics - beyond industrial robots <i>Sigrid Brell-Cokcan</i>	<b>Health</b> Successful translation of haptic technology for Healthcare: Towards increasing TRLs <i>Helge Wurdemann</i>	<b>System Engineering</b> RobMoSys: the next level of a Model Driven Robotic Software Ecosystem <i>Herman Bruyninckx</i>
19.30-23.30	<b>Welcome reception</b> (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	<b>Success Stories</b> Step Change Results from FP7 Projects <i>Cécile Huet</i>	<b>ELS</b> Do we need new laws to handle robots? <i>Vincent C. Müller</i>	<b>Industrial</b> Topic Group Industrial Robotics - Challenges and needs <i>José Saenz</i>	<b>Social</b> Strategies for Deploying and Delivering Ethical, Sustainable and Acceptable Assistive Robotic Solutions <i>Praminda Caleb-Solly</i>	<b>Space</b> iBOSS Workshop part 1: Space Robotics and Spacecraft design, production and operation <i>Joerg Kreisel</i>	<b>Underwater</b> Robocademy - A European Academy for Marine and Underwater Robotics <i>Thomas Vögele</i>	<b>Success Stories</b> Robots for disaster response <i>Bruno Siciliano</i>
10.00 – 10.45	<b>Coffee break</b>						
10.45 – 12.15	<b>ELS</b> How is law and regulation developing to address robotic technologies? Where we are and where we are heading. <i>Vik Khurana</i>	<b>Awards</b> Tech Transfer Award Nominees presentations <i>Martin Haegele</i>	<b>Agri-Food</b> Robotics for Agri-Food: Echord++ Experience <i>Paolo Dario</i>	<b>Industrial</b> 4th Workshop on Hybrid Production Systems (I) <i>Ramez Awad</i>	<b>Space</b> iBOSS Workshop part 2: Space Robotics and Spacecraft design, production and operation <i>Joerg Kreisel</i>	<b>Innovation</b> IPR and patents training (I) <i>Dimitrios Chrysostomou</i>	<b>Social</b> The contemporary Societal Applications of Social Robots and the Barriers to the Market <i>Amit Kumar Pandey</i>
12.15 – 14.00	<b>Lunch break</b>						
14.00 – 15.30	<b>AICoR</b> AI & Robotics: Delivering platforms and integration tools <i>Markus Vincze</i>	<b>Awards*</b> Entrepreneurship Workshop : Final Pitch <i>Jon Agirre Ibarbia</i>	<b>Agri-Food</b> Agri-food robotics: state of the art and future challenges <i>Gert Kootstra</i>	<b>Industrial</b> 4th Workshop on Hybrid Production Systems (II) <i>Ramez Awad</i>	<b>Space</b> H2020 SRC Space Robotics Technologies Future Roadmap <i>Daniel Noelke</i>	<b>Innovation</b> IPR and patents training (II) <i>Dimitrios Chrysostomou</i>	<b>Health</b> Healthcare Topic Group cluster activities <i>Christophe Leroux</i>
15.30 – 16.15	<b>Coffee break</b>						
16.15 – 17.45	<b>Industrial</b> Collaborative robots in Europe: overcoming current barriers for use in manufacturing <i>Shirley Elprama</i>	<b>ELS</b> Overview and discussion of the study “European Civil Law Rules in Robotics” <i>Karin Röhricht</i>	<b>Perception</b> Perception Challenges in Times of Deep Learning and Cognition <i>Michael Suppa</i>	<b>Health</b> The past, present and future of European service robotics for eldercare and assisted living <i>Dimitrios Tzovaras</i>	<b>Space</b> H2020 SRC Space Robotics Technologies Preliminary Results and Impacts <i>Daniel Jones</i>	<b>Mining</b> Robotics in mining - where we are and where we want to be <i>Piotr Kasza</i>	<b>Systems Engineering</b> Progress in Robot Modeling - Why Modeling is Crucial for Success <i>Andreas Müller</i>
19.00 – 23.00	<b>Banquet &amp; Award Ceremony</b> (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	<b>AICoR</b> Combining IoT, robotics and AI: where is the added value, where are the challenges? <i>Mauro Dragone</i>	<b>Social</b> Empathic Human-Robot Interaction: A Joint Industry-Academia Outlook for the Future <i>Kerstin Dautenhahn</i>	<b>Logistics</b> Robust and long term operation of robotics for Logistics <i>Jesus Alfonso de la Riva</i>	<b>Standardisation</b> Standards and Standardisation for Robots <i>Theo Jacobs</i>	<b>Competitions</b> European robotics competitions and challenges: status quo and lessons learned (I) <i>Agostino De Santis</i>	<b>Health</b> Robotic surgery in the European researchers community <i>Marta Capiluppi</i>	
10.00 – 10.45	Coffee break						
10.45 – 12.15	<b>AICoR</b> AI for Long-Term Autonomy in Robot Applications <i>Nick Hawes</i>	<b>Health</b> Ethical, Legal, and Social Aspects of Healthcare Robotics (part 1) <i>Sanja Dogramadzi</i>	<b>Innovation</b> Development & Learning from Technology Transfer Initiatives Towards Digital Innovation Hubs <i>Jeremy Hadall</i>	<b>Miniaturised</b> Towards a European open platform on miniaturised robotics (I) <i>Nicolas Andreff</i>	<b>Competitions</b> European robotics competitions and challenges: status quo and lessons learned (II) <i>Agostino De Santis</i>		<b>Maintenance &amp; Inspection</b> Aerial Robotics Inspection: from prototypes to industrial applications <i>Anibal Ollero</i>
12.15 – 13.30	Lunch break						
13.30 – 14.00	<b>ERF2017 Feedback Session</b>						
14.00 – 15.30	<b>AICoR</b> Case studies and future needs of long term navigation and reasoning <i>Markus Vincze</i>	<b>Health</b> Multidisciplinary in Robotic Exoskeleton Technology <i>George Nikolakopoulos</i>	<b>Competitions</b> Now coming: Research Reproducibility in Robotics <i>Fabio Bonsignorio</i>	<b>Miniaturised</b> Towards a European open platform on miniaturised robotics (II) <i>Nicolas Andreff</i>	<b>Systems Engineering</b> Agile for Robotics <i>Damien Sallé</i>		<b>ELS</b> 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	<b>Entrepreneurship Workshop: Pitches (restricted access)</b>
16.15 – 17.45	<b>Entrepreneurship Workshop: Pitches (restricted access)</b>
23 March Carrick 1	
8.30 – 10.00	<b>Entrepreneurship Workshop: Coaching session (restricted access)</b>

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The programme reflects the status as of 9 March 2017.