



EUROPEAN ROBOTICS FORUM

Brought to you by SPARC

Tampella

EVENT PROGRAMME

13-15 March 2018
Tampere - Finland

www.erf2018.eu



12 March 15:00	euRobotics General Assembly (members only)							
13 March	Small auditorium (KUKA room)	Maestro (Schunk room)	Duetto 1 (Sandvik room)	Duetto 2 (Fastems room)	Sonaatti 1	Sonaatti 2	Soprano	Riffi
08:30 - 10:00			Mining	Standardisation	Innovation ecosystems	Competitions and Benchmarking	Specific environments or applications	
			Robotics in Mining - From Underground Inspection to Space Exploration Piotr Kasza	Trends in ISO/IEC/IEEE standardisation and safety for robots Theo Jacobs	VCs and "robot revolution makers" Michael Hansen	Research Reproducibility and Benchmarking in Robotics Fabio Bonsignorio	Solving problems like corruption or crime by the means of robotics Dominik Bösl	
10:00 -10:45	Coffee break							
10:45 -12:30	Official Opening Main Auditorium (SPARC room)							
12:30- 14:00	Lunch break							
14:00 - 15:30	DEI, PPP, H2020	Industrial Robotics	Maintenance and inspection	Standardisation	Innovation ecosystems	Competitions and Benchmarking	Aerial Robotics	Awards
	The new H2020 robotics projects in the SPARC strategy	5th Workshop on Hybrid Production Systems	Inspection & maintenance robotics - Deployments and future needs	Practical safety testing for medical robots	How to establish and grow your robotic start-up?	The Future of European Robotics Competitions: Challenges and Purposes	Aerial Robotics for Industrial Inspection, Maintenance & Transportation	2017euRobotics George Giralt PhD award presentations
	Cécile Huet	Sotiris Makris	Aksel Transeth	Jan Veneman	Thomas Sølund	Pedro U. Lima	Anibal Ollero	Gianluca Antonelli
15:30- 16:15	Coffee break							
16:15 - 17:45	Healthcare	Industrial Robotics	Maintenance and inspection	Standardisation	Innovation ecosystems	Wearables	Aerial Robotics	Awards
	Healthcare lighthouse	5th Workshop on Hybrid Production Systems	Robotics for inspection and maintenance of civil infrastructures	Practical safety testing for non-medical robots	Societal Applications of Robots and the Barriers: Towards an Ecosystem	Wearable robots moving out of the lab - Healthcare Domain	Aerial Robotics for industrial inspection, maintenance & transportation	2018 euRobotics George Giralt PhD award presentations
	Christophe Leroux	Sotiris Makris	Kostas Bouklas	Gurvinder Virk	Amit Kumar Pandey	Jan Veneman	Anibal Ollero	Gianluca Antonelli
19:00	Welcome Reception							

14 March	Small auditorium (KUKA room)	Maestro (Schunk room)	Duetto 1 (Sandvik room)	Duetto 2 (Fastems room)	Sonaatti 1	Sonaatti 2	Sopraano	Riffi
08:30 - 10:00	DEI, PPP, H2020	Industrial Robotics	Awards	Systems engineering	Innovation ecosystems	Wearables	Construction	
	Success Stories - Step Change Results from FP7 Projects	Modular Concepts for Assembly and Handling in Small Batch Production	TechTransfer Award	Software Engineering Issues in Cognitive Robotics	AI's role in payment fraud prevention	Wearable robots in industry: moving out of the lab	Construction Robotics -- from the end-user perspective	
	Cécile Huet	Andreas Bihlmaier	Martin Haegele	Gerhard Kraetzschmar	Asad Mushtaq	Jan Veneman	Sigrid Brell-Cokcan	
10:00 - 10:45	Coffee break							
10:45 - 12:15	DEI, PPP, H2020	Industrial Robotics	Maintenance and inspection	Systems engineering		Specific environments or applications	Construction	
	EU Projects offering services: don't miss it!	TG-Industrial Robotics: Challenges and Needs for Agile Production	Robotic inspection, maintenance and operation in harsh environment	Adapting robotics and related industry 4.0 technologies for SMEs		Open Infra BIM based Automation and Robotics for Working Machinery	Intelligent trenchless underground robotic systems	
	Cécile Huet	José Saenz	Ladislav Vargovcik	Franziska Kirstein		Juha Röning	Carlos Balaguer	
12:15 - 14:00	Lunch break							
14:00 - 15:30	DEI, PPP, H2020	Industrial Robotics	Maintenance and inspection	Systems engineering	Innovation ecosystems	ELSE	Networked robots	
	Innovation in H2020 projects - EC Innovation Radar Prize 2017	COVR - Shared Safety Facilities	Dexterous telerobotics technologies and applications	RobMoSys: Better Models, Better Tools, Better Systems	Unfulfilled needs and novel research ideas for future robotics	Robot development and design: what about ethical aspects?	Internet of Robots	
	Anne BAJART	Thomas Almdal	Jeremi Gancet	Susanne Bieller	Fabio Bonsignorio	Maria Bulgheroni	Gabor Sziebig	
15:30 - 16:15	Coffee break							
16:15 - 17:45	DEI, PPP, H2020	Industrial Robotics	Education	Systems engineering	Innovation ecosystems	ELSE	Networked robots	
	Cascade funding for Robotics: impact and upcoming opportunities	COVR - Shared Safety Facilities	Robotics & Education in the World of Digital Transformation	TG Software Engineering, System Integration, Systems Engineering	Building care robotics business and innovation ecosystems	Robot as creator, computer as inventor: who owns what-impact of new AI	Smart cooperative robots for agile assembly	
	Mayte Carracedo	Thomas Almdal	Amit Kumar Pandey	Christian Schlegel	Marketta Niemelä	Patrick Courtney	Jacek Malec	
19:30	Banquet and Awards Ceremony							

15 March	Small auditorium (KUKA room)	Maestro (Schunk room)	Duetto 1 (Sandvik room)	Duetto 2 (Fastems room)	Sonaatti 1	Sonaatti 2	Soprano	Riffi
08:30 - 10:00	DEI, PPP, H2020	AICoR	Emergency response		Miniaturized Robotics	ELSE	Agri-Food	Specific environments or applications
	From Technology Transfer Initiatives To Digital Innovation Hubs	Beyond Smart Robots: Enabling Technologies for True NonExpert Teaching	Help: sharing data and other resources for emergency response robotics		Microrobotic Control and Artificial Intelligence	Europe Regulates Robotics	How far/close is the Robotics from the Agriculture 4.0?	Open Infra BIM based Automation and Robotics for Working Machinery
	Thilo Zimmermann	Andreas Pichler	Ivana Kruijff-Korbayova		Albert Sill	Andrea Bertolini	Ferdinando Cannella	Juha Röning
10:00 -10:45	Coffee break							
10:45 - 12:15	Innovation ecosystems	AICoR	Education	Healthcare	Competitions and Benchmarking	ELSE	Agri-Food	Marine Robotics
	Encouraging Regions to Innovate through Robotics	A.I., Automated Planning and Robotics: Going into the wild	Teaching Robotics with ROS	Networking for new trends in surgical robotics	A unified scientific framework for robotics benchmarking: not a dream	Legislation vs. self-regulation - how to shape the future of robotics?	Agri-food robotics: research challenges and business opportunities	Marine Robotics in Europe, witnesses and meeting of the Topic Group
	Ana Puig-Pey	Andrea Orlandini	Alexander Ferrein	Marta Capiluppi	Diego Torricelli	Dominik Bösl	Jesus Pablo Gonzalez Villodres	Gianluca Antonelli
12:15-13:15	Lunch break							
13:15-14:00	ERF2018 Feedback Session							
14:00 - 15:30	DEI, PPP, H2020	AICoR	Logistics and Transport	Healthcare	Competitions and Benchmarking		Perception	Marine Robotics
	Innovation with Robotics in Regional Clusters - Theory and Practice	Beyond conventional AI - the Neurorobotics Platform	Robotics for Logistics and Transport	Development of assistive exoskeletons for the elderly	Robot Platforms for Researchers and Entrepreneurs		Perception-Models for Task Generalization in Agile Manufacturing	Autonomous maritime systems
	Uwe Haass	Alexander Kuhn	Jesús Alfonso	Shaoping Bai	Gerhard Kraetzschmar		Michael Suppa	Jussi Aaltonen
15:30 -16:15	Coffee break							
16:15 - 17:45		Robot companions	Logistics and Transport	Maintenance and inspection		ELSE	Systems Engineering	
		Grand Challenges for the Robot Companions of the Future	Robotics for Logistics and Transport	Inspection and maintenance of nuclear facilities		Drafting a Robot Manifesto	Packaging, Releasing and Maintaining software for robots	
		Paolo Dario	Jesús Alfonso	Rustam Stolkin		Dominik Bösl	Andriy Petlovanyy	