



EUROPEAN ROBOTICS FORUM





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EVENT PROGRAMME



3 - 5 March 2020
Malaga - Spain

Version 2020-02-21

www.erf2020.eu

2 March 15:00	euRobotics General Assemlby (members only, Escuela de Ingenierías Industriales)							
3 March	SALA 2.1.	SALA 2.2.	SALA 1	SALA 2	SALA 3	SALA 4	SALA 5	SALA 9
								
08:30 - 10:00	Roadmapping	DIHs, H2020, FSTP	Education	Tech update	Tech update	Tech update	Tech update	Awards
	Robotics research vision 15y	Bridging the technology gaps - the TRINITY DIH for Agile Production	Examples of good practices in Robotics Education	Field Robotics - Daring to work outside the lab	Cloud robotics: Prospects and future needs	Bringing wearable robots to the field	State of the Art developments in Humanoid Service Robots	Coaching for ERF Entrepreneurship Award (private session)
	Stefano Stramigioli	Jyrki Latokartano	Ana-Maria Stancu	George Nikolakopoulos	Sascha Griffiths	Shirley Elprama	Francesco Ferro	Oliver Pedersen
10:00 - 10:45	Coffee break							
10:45 - 12:15	OFFICIAL OPENING (AUDITORIUM)							
12:15 - 14:00	Lunch break							
14:00- 15:30	Robotics and AI	DIHs, H2020, FSTP	ELSE	Space	Tech update	Awards	Tech update	Awards
	HLG session	DIH-HERO First results and future prospects	Integrating Cobots in Complex Organizational Settings	Space: the next flexible assembly line	Cybersecurity in robotics	TechTransfer Award	Aerial Intelligent Robotics for Inspection and Maintenance-Part 1	Coaching for ERF Entrepreneurship Award (private session)
	Raja Chatilla	Stefano Stramigioli	Ruthanne Huising	Gianfranco Visentin	Gil-Uriarte Endika	Werner Kraus	Anibal Ollero	Oliver Pedersen
15:30 -16:15	Coffee break							
16:15 - 17:45	Robotics and AI	Awards	Standardisation	Space	Tech update	Robotics in lighthouse areas	Tech update	Awards
	AI and Robotics: the challenge of complex learning and planning	PhD Award	TG Standardisation meeting	Workshop: terrestrial synergies with space robotics in Horizon Europe	Cybersecurity for Robotics II	Industry 4.0: Past, Present, Future	Aerial Intelligent Robotics for Inspection and Maintenance-Part 2	ERF Entrepreneurship Award pitches and role model
	Andrea Orlandini	Gianluca Antonelli	Dimitris Chrysostomou	Daniel Noelke	Ulrich Seldeslachts	Michiel van Osch	Anibal Ollero	Oliver Pedersen
18:30	WELCOME RECEPTION							

4 March	SALA 2.1.	SALA 2.2.	SALA 1	SALA 2	SALA 3	SALA 4	SALA 5	SALA 9
								
	Robotics and AI	DIHs, H2020, FSTP	Safety	Innovation	Tech update	Tech update	Tech update	DIHs, H2020, FSTP
08:30 - 10:00	Human-Robot Collaboration & AI for industrial applications	H2020 new projects	COVR - Supporting safety validation of collaborative robotics	Funding Robotics for Extreme Environments: A UK Perspective	Blockchain, Web 3.0 and 'Future Internet' applications in Robotics	Overcoming the boundaries of today's Robotics Software Engineering	Robotics for Logistic and Transport - Recent Advances	IDEAL-IST stage 1 proposal-checks
	Sharath Chandra Akkaladevi	Cécile Huet	Jose Saenz	Simon Watson	Fabio Bonsignorio	Anna Principato	Martin Magnusson	Francesco Kienzle
10:00 - 10:45	Coffee break							
	Robotics and AI	DIHs, H2020, FSTP	Safety		Robotics in lighthouse areas	Tech update	Tech update	DIHs, H2020, FSTP
10:45 - 12:15	How AI is transforming Social Robotics	Success stories	Safety of mobile robot swarms - Challenges beyond single vehicles		Inspection and maintenance robotics: Learning across industries	Telerobotics: What's going on now? and future roadmap (slot 1).	Robotics for Logistic and Transport - European Projects	IDEAL-IST stage 1 proposal-checks
	Sarah Terreri	Cécile Huet	Magnus Albert		Aksel Transeth	Manuel Ferre	Martin Magnusson	Francesco Kienzle
12:15 - 14:00	Lunch break							
13:15 - 14:00	TG leader meeting (restricted)							
	Robotics and AI	DIHs, H2020, FSTP	Safety	Robotics in lighthouse areas	Robotics in lighthouse areas	Tech update	Tech update	DIHs, H2020, FSTP
14:00-15:30	Trusworthy Robotics - Safety, Credibility, Explainability	Robotics Research Infrastructures	Assuring Safety for Assistive Robots in Health and Social Care	3rd Workshop on Modular Concepts for Assembly and Handling	7th Workshop on Hybrid Production Systems - Part 1	Telerobotics: What's going on now? and future roadmap (slot 2)	Construction Robotics and the Transformation of Construction	IDEAL-IST stage 1 proposal-checks
	Horst Pichler	Alberto Sanfeliu	Praminda Caleb-Solly	Andreas Bihlmaier	Sotiris Makris	Manuel Ferre	Sigrid Brell-Cokcan	Francesco Kienzle
15:30 - 16:15	Coffee break							
	Robotics and AI	DIHs, H2020, FSTP	ELSE	Robotics in lighthouse areas	Robotics in lighthouse areas	ELSE	Tech update	DIHs, H2020, FSTP
16:15 - 17:45	AI PPP alignment	Supporting SMEs via FSTP under Horizon 2020	The Regulation of Robotics in Europe: Policies in the making	Robotics for Infrastructure Construction and Maintenance	7th Workshop on Hybrid Production Systems - Part 2	Women in robotics	AppliedAI in Agile Production	IDEAL-IST stage 1 proposal-checks
	Thomas Hahn	Anna Donato	Andrea Bertolini	Rauno Heikkilä	Sotiris Makris	Ana-Maria Stancu	Michael Suppa	Francesco Kienzle
20:00	BANQUET AND AWARD CEREMONY (@The Fashion and Car Museum)							

5 March	SALA 2.1.	SALA 2.2.	SALA 1	SALA 2	SALA 3	SALA 4	SALA 5	SALA 9
	ABB	 Junta de Andalucía	 UNIVERSIDAD DE MALAGA	KUKA				
08:30 - 10:00	Innovation	DIHs, H2020, FSTP	Tech update	Robotics in lighthouse areas	Robotics in lighthouse areas	Competitions	Tech update	DIHs, H2020, FSTP
	Better innovation policies: Directing regional and European impact	agROBOfood	Cable Driven Parallel Robots: Applications	Topic Industrial Robotics - Needs and Challenges	Robotic insp. and maintenance in nuclear and other harsh environment	Empowering robotics research and tech transfer via competitions PART 1	Vision Tech - Innovation Driver for Robotics and AI	IDEAL-IST stage 1 proposal-checks
	Cian O'Donovan	Erik Pekkeriet	Mariola Rodriguez	José Saenz	Ladislav Vargovcik	Fausto Ferreira	Dirk Berndt	Francesco Kienzle
10:00 - 10:45	Coffee break							
10:45 - 12:15	Innovation	Tech update	ELSE	Robotics in lighthouse areas	Robotics in lighthouse areas	Competitions	Tech update	DIHs, H2020, FSTP
	Scaling Up from Test Beds & Living Labs: Prospects and Challenges	Topic Group Software&Systems Engineering and System Integration	Tools For Inclusive Robotics: Ethics, RRI, Taxation & Social Dialogue	Applying Information Modelling for Agriculture Robotics	Service robots, IoT, Smart Object and Virtual Communities for AAL	Empowering robotics research and tech transfer via competitions PART 2	Robotics: a key technology for urban air mobility applications	IDEAL-IST stage 1 proposal-checks
	Sebastian Pfothenhauer	Arne Nordmann	Maria Amparo Grau Ruiz	Juha Röning	Alberto Borghese	Carlos Vivas	Antidio Viguria	Francesco Kienzle
12:15 - 13:15	Lunch break							
13:15 - 14:00	ERF2020 Feedback Session							
14:00 - 15:30	Robotics in lighthouse areas	DIHs, H2020, FSTP	ELSE	Tech update	Tech update	Competitions	Tech update	DIHs, H2020, FSTP
	TG Healthcare	DIH ² : Accelerating European factories through Agile Production	Co-creating good challenges: matching social needs to robot	Marine Robotics: emerging topics and TG meeting	Networked control architectures for robots	Research Reproducibility & Benchmarking are coming of age	Miniaturized Robotics	IDEAL-IST stage 1 proposal-checks
	Paolo Fiorini	Paul Krishnan	Carlos Cuevas Garcia	Gianluca Antonelli	Alexander Barth	Fabio Bonsignorio	Nicolas Andreff	Francesco Kienzle
15:30 - 16:15	Coffee break							
16:15 - 17:45	Roadmapping							DIHs, H2020, FSTP
	euRobotics 2.0							IDEAL-IST stage 1 proposal-checks
	Bernd Liepert							Francesco Kienzle