



EUROPEAN ROBOTICS FORUM

13-15 April 2021
Virtual Event

EVENT PROGRAMME

Version 2021-04-12



13 April	ROOM 1 (virtual)	ROOM 2 (virtual)	ROOM 3 (virtual)	ROOM 4 (virtual)	ROOM 5 (virtual)	ROOM 6 (virtual)
08:00-08:25	Health Program: HIIT (beginners)					
09:00 - 10:20	Mechatronics and Manipulation	Systems and SW	FSTP / Brokerage / DIHs	Mechatronics and Manipulation	Maintenance and Inspection	Safety
	Miniaturised Robotics Forum	Software Systems Engineering: Platform, Ecosystem, Perspective	Robotics FSTP funding, any good for SME's? - TRINITY experiences	Cable-Driven Parallel Robots - New Developments and Applications	Autonomy in Aerial Robotics for inspection and maintenance	Trustworthy Robots - Safety, Credibility, Explainability
	Quan Zhou	Christian Schlegel	Jyrki Latokartano	Marc Gouttefarde	Anibal Ollero	Horst Pichler
10:25 - 11:05	Agile Production / Industry robotics	Agile Production / Industry robotics	Sponsored session	Education	Smart cities or areas	Sponsored session
	The Role of Robot Companions in the New Paradigm of Industry 5.0	Demonstration of affective manufacturing for increased performance	Enabling safe operations and ease of use on different levels of collaboration	Education WS 1	Robotics and AI for Rural Development	How to make an impact in EU projects and boost innovation
	Paolo Dario	Erwin Meinders	Andie Zhang Andreas Bihlmaier		Fabio Bonsignorio	
11:20 - 12:40	Agile Production / Industry robotics	Systems and SW	FSTP / Brokerage / DIHs	Mechatronics and Manipulation	Maintenance and Inspection	Healthcare
	8th Workshop on Hybrid Production Systems - Part 1	European Leadership in Open Source for Robotics and AI	Technology Transfer stories on Agile Production and Robotics	Soft objects robotic manipulation for the future of European factories	First Autonomous Robot for Infrastructures I&M: Genova New Bridge	Robotics in healthcare: Future perspectives
	Sotiris Makris	Marco Jahn	Paul Krishnan	Nicola Nosengo	Ferdinando Cannella	Françoise Siepel
12:45-13:10	Health Program: Movement					
13:20-14:00	OFFICIAL OPENING					
14:05 - 15:25	Agile Production / Industry robotics	Systems and SW	Robotics and AI	Competitions and Benchmarking	Maintenance and Inspection	Lab Tours
	8th Workshop on Hybrid Production Systems - Part 2	Deeply embedded software	AI and Robotics: Intelligent, Learning and Trustworthy Robots	Applying AI and HRI results of competitions in service robotics	I&M robotics: Learning across industries from deployments	Terrinet Lab Tour
	Sotiris Makris	Ralph Lange	Andrea Orlandini	Carlos Vivas	Aksel Transeth	Paolo Dario
15:40 - 17:00	Agile Production / Industry robotics	Systems and SW	EC project track	Competitions and Benchmarking	Smart cities or areas	Lab Tours
	TG-Industrial Robotics - Challenges and Needs	Software Engineering and Verification Techniques for Cobots	HORIZON2020 Robotics Projects: Success Stories	Reproducibility and Benchmarking: the next stage	Robotics in Smart Cities	Impact aware manipulation - H2020 I.A.M. - live demo Innovation Lab
	José Saenz	Tristan Le Gall	Cécile Huet	Fabio Bonsignorio	Matthew Studley	Alessandro Saccon
17:00-19:00	Beer Tasting: Belgium Beer					

14 April	ROOM 1 (virtual)	ROOM 2 (virtual)	ROOM 3 (virtual)	ROOM 4 (virtual)	ROOM 5 (virtual)	ROOM 6 (virtual)
08:00-08:25	Health Program: Yoga					
09:00-17:00	Horizon Europe? Ask a National Contact Point (NCP)!					
09:00 - 10:20	Awards	Robotics and AI	FSTP / Brokerage / DIHs	Competitions and Benchmarking	Logistics and Transport	
	George Giralt PhD Award presentations	Human-Robot Collaboration & AI for Sustainable Production	FSTP success stories - cross-sectorial session	What does the robotics community expect and need from Benchmarking?	Robotics challenges in novel aerial transportation services	
	Gianluca Antonelli	Sharath Chandra Akkaladevi	DIH Networks	Diego Torricelli	Antidio Viguria	
10:25 - 11:05	Agile Production / Industry robotics		EC project track	Cloud	Education	
	Accelerating productivity with robotics - RAMP.eu		Information about upcoming Horizon (and possibly DEP) funding	Cloud robotics	Education WS 2	
	Ali Muhammad		EC	Sascha Griffiths		
11:20 - 12:40	Awards	Robotics and AI	EC project track	Covid-19 response	Maintenance and Inspection	
	Entrepreneurship award presentations	Risk-aware robots - improving autonomy through smart hazard assessment	New Horizon projects	How robots adapt to changing scenarios: pandemic situations and beyond	RIMA DIH network - success stories & lessons learnt	
	Oliver Troels	Timothee Buettner	Cécile Huet	Jordi Pagès	Maarit Sandelin Andrea Miranda	
12:40-13:20	POSTER SESSION (Cécile Huet) - New Horizon2020 Robotics Projects					
12:45-13:10	Health Program: Movement					
13:20-14:00	KEYNOTE (Heike Vallery) - Tough tech transfer in rehabilitation robotics: The bumpy road from academic research to empowering individuals with walking impairments					
14:05 - 15:25	Awards	Robotics and AI	Agri-food	Covid-19 response	Agri-food	
	TechTransfer Award presentations	Towards applied AI in agile production, logistics, and lab automation	AI and robotics in agri-food: the present and the future	Socially Useful Robots in the era of social distancing and new normal	Robots for agrifood	
	Werner Kraus	Michael Suppa	Sarah Terreri	Amit Kumar Pandey	Rune Hahn Kristensen	
15:40 - 16:20	FSTP / Brokerage / DIHs	Sponsored session	EC project track	Covid-19 response	Lab Tours	
	TRNITY Open call winners: showcase of results and technologies used	Franka Emika	UK Heurope	Robotics in the lab during the pandemic and beyond	Virtual Tour at SDU Robotics	
	Alessandra Zini		David Bisset	Radhika Gudipati	Christian Schlette	
16:25-16:55	AWARD CEREMONY					
17:00-17:45	Charity Run					

15 April	ROOM 1 (virtual)	ROOM 2 (virtual)	ROOM 3 (virtual)	ROOM 4 (virtual)	ROOM 5 (virtual)	ROOM 6 (virtual)
08:00-08:25	Health Program: Pilates					
09:00 - 10:20	Safety	Robotics and AI	Agri-food	Specific Environments	EC project track	
	COVR - Building consensus for robot safety	Blockchain in Robotics and AI	Applying Information Modelling for Agriculture Robotics	Marine Robotics: challenges and opportunities and TG meeting	Information about upcoming FSTP funding and Brokerage	
	José Saenz	Fabio Bonsignorio	Juha Roning	Gabriele Ferri		
10:25 - 11:05	Agile Production / Industry robotics	Robotics and AI	Sponsored session	Specific Environments	FSTP / Brokerage / DIHs	
	New Robotic Solutions for Manufacturing Industry	Resilient Field Robotics	From product ideas to robotic healthcare solutions	Cross Fertilisation of Nuclear and other Harsh Environment Robotics	Upcoming EDIH network and H2020 las	
	Manuela PRODUTECH - Production Technology Cluster	George Nikolakopoulos	Richard de Klerk	Ladislav Vargocik		
11:20 - 12:40	Safety	Telerobotics	Humanoid robots	Specific Environments	Space robotics	
	Standards and safety	Telerobotics - where are we and what do we do next?	Humanoid robots today and tomorrow	Robot technologies for monitoring of radiological threats	SPACE Robotics - Challenges and Opportunities	
	Paolo Barattini	Rich Walker	Francesco Ferro	Luis Pinto	Thomas Vögele	
12:40-13:20	Feedback Session					
12:45-13:10	Health Program: Movement					
13:20-14:00	PLENARY SESSION - Embodied AI (Juha Heikkilä, Corina Apachițe, Fredrik Heintz)					
14:05 - 15:25	Safety	Cybersecurity	Agri-food	Logistics and Transport	Lab Tours	
	TG - Safety - Needs and Challenges for Assuring the Safety of AI	Cyber security for robotics (CS4R)	Challenges in automated food processing	Robotics for logistics and transport	Lab Tour Robotics and Automation Lab, University of Twente	
	Magnus Albert	Víctor Mayoral-Vilches	Tamás Haidegger	Martin Magnusson	Stefano Stramigioli	
15:40 - 17:00	Standardisation	FSTP / Brokerage / DIHs	Innovation environments	Construction	Innovation environments	
	LIAISON: Liaising robot development and policymaking	Cascade Funding Workshop Open calls and 1-on-1 meetings	Putting robotics co-creation into practice	Construction Robotics –the Future of building	SME benefits	
	Eduard Fosch-Villaronga	Maria Roca	Sebastian Pfothenauer	Sigrid Brell-Cokcan	Geoff Pegman	
17:05-17:50	Escape Room					