

ERF'23 LBR Poster presentation schedule

Tuesday morning 10:25 – 11:05

	Title	Authors
TuM1	Human-robot cooperative transport of soft materials: the draping of carbon fibre parts	Giorgio Nicola, Paolo Franceschi, Enrico Villagrossi
TuM2	On-site robotic 3d printing system on façades (INPERSO Horizon Europe Project)	J. Llamas, C. Bernad, P. Avellanosa, J. L. Alapont, E. Zalama y P. Viñas
TuM3	Development of a new test-method for backpacks and their ergonomic properties	Mads Fromreide, Priyanthi Borgen Gjerde, Erik Thomassen Hauge, Rune Schlanbusch
TuM4	A C++ Implementation of a Cartesian Impedance Controller for Robotic Manipulators	Matthias Mayr and Julian Mauricio Salt Ducaju
TuM5	RELAX: Robot Enabler for Load Assistive relaxation Cobot	Luca Muratore and Nikos G. Tsagarakis
TuM6	Deep stochastic image segmentation for autonomous robotic inspection	Jacopo Gaetani, Rasmus Eckholdt Andersen, Evangelos Boukas
TuM7	Experience of Collaborative Robotic Assembly Accessible to Anyone	János Nacsa, Kristóf Abai, Péter Smejkál, Imre Paniti
TuM8	Skill-based Reinforcement Learning of Industrial Robot Tasks with User Priors	Matthias Mayr, Faseeh Ahmad, Carl Hvarfner, Konstantinos Chatzilygeroudis, Luigi Nardi and Volker Krueger
TuM9	AERIAL COgnitive integrated multi-task Robotic system with Extended operation range and safety	Anibal Ollero on behalf of the AERIAL-CORE consortium
TuM10	Energy Assessment and Optimization Methodology for Colaborative Robots	Juan Heredia, Christian Schlette, and Mikkel Baun Kjærgaard
TuM11	NOVATERRA Project: Cost effective mowing robot for permanent woody crops	André Baltazar, Luis Santos, Tatiana Pinho, André Aguiar, Filipe Santos

Tuesday afternoon 15:15 – 15:55

Nr.	Title	Authors
TuA1	SELFEX - Self-training using extended reality wearable technology	Angel Dacal-Nieto, Victor Alonso-Ramos, Gema Antequera, Sonia Quiroga
TuA2	A Wearable Sensor System for Intelligent Upper Limb Assessment in Working Environments	Abdullah Tahir, Matteo Musso, Ming Shen, Shaoping Bai
TuA3	Predictive Maintenance for Collaborative Robot Applications based on Artificial Intelligence and Edge-Computing concepts	Emil Stubbe Kolvig-Raun, Mikkel Baun Kjærgaard, Ralph Brorsen
TuA4	Family Firm Disruption - Value Chain Automation through robotics beyond the company's own product	Frank Ilg
TuA5	Modular Magnetic Bio-inspired Autonomous Underwater Vehicle	Marvin Wright, Qing Xiao, Saishuai Dai, Hong Yue, Mark Post, Bodhi Sarkar
TuA6	Trust Experiment in Human-Robot Collaboration with Industrial Manipulator	Kasper Hald & Matthias Rehm
TuA7	New drone-based electromagnetic survey system for geological and environmental mapping	Markku Pirttijärvi, Pekka Korkeakangas & Jari Joutsenvaara
TuA8	SkiROS2: A Skill-Based Industrial Robot Control Platform for ROS	Matthias Mayr, Francesco Rovida and Volker Krueger
TuA9	Closing a Research Loop between Robots and Humans on Online Impedance Adaptation Control	Xiaofeng Xiong
TuA10	CD/CI for Cloud Robotics	Rafael Arrais, Pedro Melo, Sergio Teixeira, Germano Veiga
TuA11	Environmental Intelligence ecosystem for long-term care At home with social ROBots (EIAROB)	Eduardo Zalama Casanova, Pablo Francisco Viñas, José David García, Héctor Urueña, Lipsa Laurentiu, Jaime Duque, Jaime Gómez Bermejo Leticia Pedraz Rodríguez and Raquel Losada Durán

Wednesday morning 10:25 – 11:05

Nr.	Title	Authors
WeM1	Mimicking Adaptation and Plasticity in WORMS: the MAPWORMS Project	Linda Paterno, Ilaria Cedrola, Hasan Dad Ansari Mohammad, Veronica Iacovacci, Selene Tognarelli, and Arianna Mencias
WeM2	Extra-Large-Scale Robotics in Manufacture	Alexander Jentsch, Steffen Dryba, Christian Klötzer-Freese
WeM3	Web-based Industrial Robot Visualization for a Learning Factory Scenario	Mátyás Hajós, János Nacsa, Zsolt Kemény
WeM4	skrl: Modular and Flexible Library for Reinforcement Learning	Antonio Serrano-Muñoz
WeM5	Energy-based Conversion Method for Optimization of limit values on gauge stiffnesses used for the Validation of Collaborative Robotics Applications	Zimmermann, Jan
WeM6	How the Design of Tactile Metrics Effects the Performance Results of Industrial Robots	Robin Jeanne Kirschner, Nico Mansfeld, Saeed Abdolshah, Sami Haddadin
WeM7	Classical and Deep Learning Approaches for Robot Model Identification: A Comparative Study	Marcel Lahoud, Gabriele Marchello, Mariapaola D'Impero, Andreas Mueller, Ferdinando Cannella
WeM8	Towards a study for the relevant I/O abstraction level to get Reinforcement Learning working	Alexander Dürr, Volker Krueger, Elin Anna Topp
WeM9	Narrowing the reality gap in planetary space exploration - Two-stage RL-based Learning Process for Mapless Navigation on a Space Rover	Simon Bøgh
WeM10	Fast yet predictable robot braking maneuvers	Mazin Hamad, Hugo T. M. Kussaba, Saeed Abdolshah, Abdalla Swikir and Sami Haddadin
WeM11	Robotic Rehabilitation and Toning focused on active aging (IDET y ROSBAC)	Pablo Francisco Viñas, Javier Pérez Turiel, Cesar Domínguez, Lipsa Laurentiu and Rubén Alonso Alonso

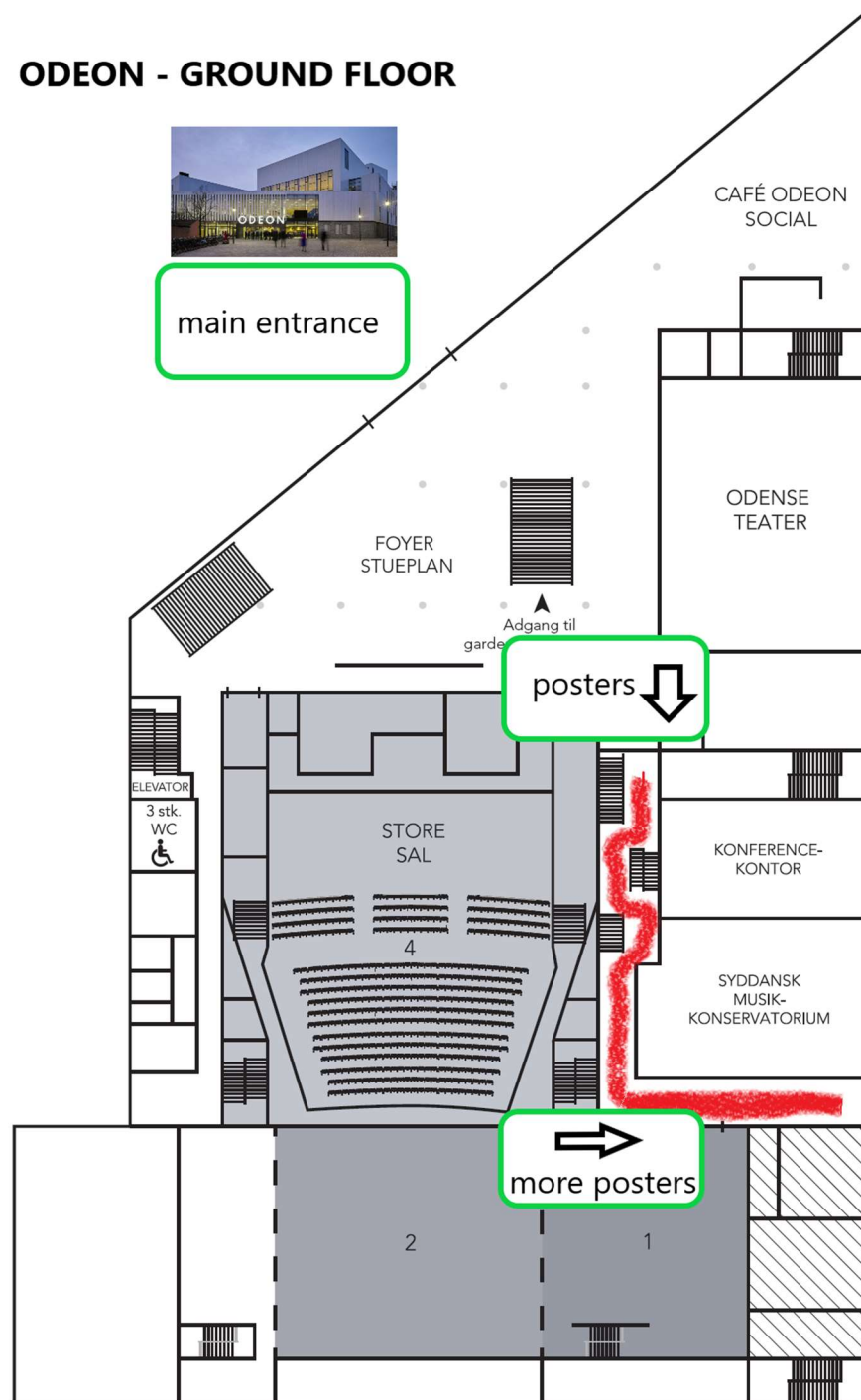
Wednesday afternoon 15:15 – 15:55

Nr.	Title	Authors
WeA1	Open remote web lab with access to physical robots for learning ROS and robotics	Dāvis Krūmiņš, Sandra Schumann, Veiko Vunder, Alvo Aabloo, Karl Kruusamäe
WeA2	Understanding Human Behavior for an Efficient Human-Robot Collaboration	Matteo Terreran, Leonardo Barcellona, Davide Allegro, Emanuele Menegatti, Stefano Ghidoni
WeA3	STRADA: Supporting Training and Networking of Women in Manufacturing	Gema Antequera, Angel Dacal-Nieto, Víctor Alonso-Ramos, Adrian Lomba, Edin Skaljic, Sophie O'Kelly
WeA4	FEROX: Fostering and Enabling AI, Data and Robotics Technologies for Supporting Human Workers in Harvesting Wild Food	Paul Chippendale, Francisco Blanes Noguera, Laura Smith Ballester, Fabio Poiesi
WeA5	I-Driven Cognitive Robotic Platform for Agile Production environments	Acroba Consortium
WeA6	Learning Robot Behaviors to Solve Variations of Industrial Tasks	Faseeh Ahmad, Matthias Mayr, Volker Krueger
WeA7	CrossLog - A Robotic Crossdocking Solution	Manuel F. Silva, Paulo Rebelo, Héber Sobreira, Fillipe Ribeiro
WeA8	High-Level Teleoperation System for Autonomous Stackers	Manuel F. Silva, Paulo Rebelo, Héber Sobreira, Abel Mendes
WeA9	SCORPION project: robotic solutions for smart precision spraying	T. Pinho, A. S. Aguiar, A. Baltazar, Luis C. Santos, A. Nieuwenhuizen, M. Sanches, D. Rabino, D. Allochis, S. Gessi, M. Martelli, F. N. Santos
WeA10	Micro-ROS – puts ROS 2 onto microcontrollers	Ralph Lange, Juan Jose Hiero, Tomasz Kolcon, Jaime Martin Losa
WeA11	A Speech-enabled Virtual Assistant for Human-Robot Interaction in Learning, Training and Assistance of Manufacturing Tasks	Chen Li, Dimitris Chrysostomou

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