

31th May 2023

18:00 - 20:00



Wednesday

Conference Program

Registration and welcome drink

01 st June 20)23		Thursday
08:00 - 09:00	Registration		
09:15	Opening ceremony	MOTSP 2023	ICIL 2023
09:30 – 10:30	Invited lectures		
	Matija Hoić Faculty of Mechanical Engineering and Naval Architecture University of Zagreb, Croatia Role of Mechanical Engineering in the Development of the European Fusion Project		
	Miro Hegedić Faculty of Mechanical Engineering and Naval Architecture University of Zagreb, Croatia Deep Tech Ecosystem for Manufacturing and the Role of TLFs		
10:30 – 11:00	Coffee break		
11:00 – 12:30	Session A1		ICIL 2023

Simona Cohen Kadosh, Zilla Sinuany-Stern, Yuval Bitan

the PLC of an Automated Storage and Retrieval System

Modelling Freight Allocation and Transportation Lead-Time

Aurelija Burinskiene, Arunas Burinskas

U. Aytun Ozturk

Andreas Lober, Lisa Ollinger, Sven Voelker, Hartwig Baumgaertel

Location of Emergency Treatment Sites After Earthquake Using Hybrid Simulation

Towards Logistics 4.0: A Skill-Based OPC UA Communication between WMS and

Probing the Role of Python and Jupyterlab in Teaching Operations Management

	Attila Turi Just Too Late: Mismatching Issues in Automotive Industry	
11:00 – 12:30	Session A2 MOTSI	2023
	Bernhard Axmann, Harmoko Harmoko, Rahul Malhotra The Assessment of Robotic Process Automation Projects with a Portfolio Analysis: 1 st step - Evaluation Criteria Identification and Introduction of th Portfolio Concept	e
	Filip Knapp, Michal Šimon Standardization of Project Management Practices of Automotive Industry Suppliers – Systematic Literature	/
	Tea Bajičová, Ilona Kačerová, Michal Šimon Estimating costs and benefits of preventive ergonomic measures	
	Syuan-Cheng Chang, Chung-Ping Chang, Yung-Cheng Wang, Chi-Chieh C Leveling Maintenance Mechanism by Using the Fabry-Perot Interferomet Machine Learning Technology	
	Lena Sophie Leitenbauer, Sabrina Romina Sorko, Miriam Lutz Reducing change resistance: Stakeholder-based approach for Extended R (XR) implementations	leality
12:30 – 14:00	Lunch	
14:00 – 15:30	Session B1 ICIL	2023
	Zoran Kunkera, Ivana Željković, Ratko Mimica, Boris Ljubenkov, Tihomir O Development of Augmented Reality Technology Implementation in a Shipbuilding Project Realisation	petuk
	Ákos Cservenák Development Possibilities of Controlling System in the Logistics 4.0 Labor the University of Miskolc	ratory at
	Miro Hegedić, Borna Škrlec, Matija Golec, Mihael Gudlin, Petar Gregurić Development of a Simulation Environment for Mobile Robotics Application Manufacturing Industry	on in
	Ante Klečina, Ljudevit Krpan, Krešimir Buntak, Ivan Cvitković Creating an Integrated Public Transport Network for Urban Transit in the Varaždin	City of
	Key-note: Mannisto T., Hintsa J., Raimondi A. PARSEC Horizon Europe Project – Overview and Goals	
14:00 – 15:30	Session B2 MOTSI	2023
	Elvis Krulčić, Sandro Doboviček, Dario Matika, Duško Pavletić Design for Six Sigma Digital Model for Manufacturing Process Design	
	Zdenka Keran, Amalija Horvatić Novak, Andrej Razumić, Biserka Runje, Pet	ar Diliok

	Damir Godec, Mario Brozović, Tomislav Breški Topology Optimization of Electric Train Cable Carrier		
	Uros Župerl, Miha Kovačič Artificial Neural Network System for Predicting Cutting Forces in Helical-end Milling of Laser-Deposited Metal Materials Davor Kolar, Dragutin Lisjak, Martin Curman, Juraj Benic Identification of Inability States of Rotating Machinery Subsystems Using Industrial IOT and Convolutional Neural Network – Initial Research		
15:30 – 16:00	Poster session	MOTSP2023	ICIL 2023
	Maciej Bielecki Logistics 4.0: Challenges, Opportunities and Threats		
	Jadranko Tuta, Erik Bajs, Mirko Ljevar, Diana Božić The Influence of the Transport Problem on the Optimization of the Transport Network of Military Logistic Support		
	Simona Šinko, Brigita Gajšek Calculation of the Impact of the Warehouse Management System on the Green Dimension of Warehouse Operations		
	Szymon Nowaczyk, Marcin Butlewski, Wiktoria Czernecka Determinants of the Strategy of Companies in the Transport Industry in the Face of Its Prospects for Autonomization – Human Factor Perspectives		
	Aljaz Javernik, Robert Ojstersek, Borut Buchmeister The Impact of Collaborative Robots on Production Line Efficiency and Sustainability		
	Hrvoje Cajner, Vid Križanić, Tihomir O Otpimisation of Parameters for Meta Machine		a Cutting
17:00 – 19:00	Excursion (Zadar city guided tour)		

02 nd June 2023 Fr		Friday
09:00 – 10:30	Session C	ICIL 2023
	Gerald Schneikart, Walter Mayrhofer, Josef Frysak, Clemer A Returnable Transport Item to Integrate Logistics 4.0 and Pharma Supply Chains	
	Raymond A. Marie Operational Availability Prediction for a Fleet of Large Sys Solution	tems; an Approximate
	Primož Bencak, Darko Hercog, Tone Lerher Object Detection and Graspability Analysis for Robotic Bin Intralogistics	n-Picking Application in

	Marko Motaln, Tone Lerher Numerical Simulation of Conveying Fine Powders in a Screw Conveyor Using the Discrete Element Method
	Luka Olivari Comparison of Improved ACO Algorithms for Tool Path Optimization in Multi-Hol Drilling
10:30 – 11:00	Coffee break
11:00 – 12:30	Session D1 ICIL 202
	Maja Trstenjak, Miljenko Mustapić, Petar Gregurić, Tihomir Opetuk Use of Green Industry 5.0 Technologies in Logistics Activities
	Tina Cvahte Ojsteršek, Simona Šinko, Brigita Gajšek Determining Learning Outcomes Relevant for Logistics Higher Education on Sustainability and Industry 4.0
	Lars Tasche, Maximilian Bähring, Benno Gerlach Digital Supply Chain Twins in Urban Logistics System – Conception of an Integrative Platform
	Lara Kuhlmann, Markus Pauly A Dynamic Systems Model for an Economic Evaluation of Sales Forecasting Method
	Stefan Schmidt, Benjamin Stefan Godwin Schmidt PQCDSM-Logic in Maintenance (TPM) and Mountaineering
11:00 – 12:30	Session D2 MOTSP202
	Sabrina Romina Sorko, Christine Lichem-Herzog Development of a Strategy Roadmap for the Widespread Implementation of Extended Reality
	Tarik Demiral, Jürgen Bock, Pierre Johansson Challenges in Flexible Manufacturing Technologies for the Final Assembly in the Commercial Vehicle Industry
	Ivana Cukor, Miro Hegedić Lean Product Development Tools for Promotion of Sustainability Integration in Product Development
	Daniela Ludin, Wanja Wellbrock, Erika Müller, Paul Klussmann, Rebecca Schöttle The Need for Digitalization in B2C Commerce from the Customer's Point of View: An Empirical Study with Focus on Sustainable Consumprion
	Pavel Ikonomov, Andrew Wyman, Lina Sawalha Hybrid 3D Metal Printer Optimization
	Mihai Dragomir, Denisa Szabo, Diana Dragomir, Diana Blagu
	Remaining Socially Responsible in the Age of Smart Sustainable Production
12:30 – 14:00	