

05th June 2025 – Workshop DPISE/PDEIS 2025 PROGRAM

9:30	Opening Session (Room: 0.08/Ed.11)		
AM	Prof. Lúgia Rodrigues, Vice-President of the School of Engineering of University of Minho Prof. Paula Ferreira, Director of the ALGORITMI Research Centre Prof. Paulo Sampaio, Director of the Department of Production and Systems Prof. Rui Sousa, Director of the Doctoral Program in Industrial and Systems Engineering Paper Awards Announcement		
PARALLEL SESSIONS #A			
	Session A1 / Moderated by Prof. Nelson Costa Room: 0.08/Ed.11	Session A2 / Moderated by Prof. Rui Sousa Room: 0.07/Ed.11	Session A3 / Moderated by Prof. Anabela Alves Room: 0.11/Ed.11
10:00	Analysis of the impact of variables on Hospital Operations Management KPIs Paulo Manuel Martins Fernandes	Semantic Mediation for Manufacturing Information Systems José Carlos de Figueiredo Martins	Contribution of Lean games to create value in companies Gabriela da Rosa Witeck
AM			
10:15	Application of Process Mining to Identify and Improve Healthcare Processes Erik Teixeira Lopes	Manufacturing system failures identification through predictive approach: a contribute for industry 5.0 Eduardo Manuel Cardoso Dias de Pessoa Santos	Development of a Production Planning and Control Model for Pull Production Ana Luísa Ribeiro Fernandes
AM			
10:30	Validation of an IMU-Based Setup for Respiratory Pattern Assessment Using a Dorsal Functional Reference: A Clinically-Oriented and Computational Approach Rodrigo Brandão Martins	Multi-Objective Scheduling in Distributed Manufacturing Systems: An NSGA-III Approach for Unrelated Parallel Machines with Sequence-Dependent Setup Francisco Álvaro dos Santos	Bridging Theoretical Advancements and Practical Implementation in Data-Driven Supply Chain Management: A review Hermenegildo Baptista
AM			
10:45	Self-Sustainable Predictive Framework to Support Decision-Making in Ergonomics and Human Factors Mariana Maia Carneiro		Towards an Open-Source Framework for Discrete Event Simulation in Production Systems Denisa Correia Borges
AM			
11:00	Coffee-Break		
AM			

PARALLEL SESSIONS #B			
	Session B1 / Moderated by Prof. Rui Lima Room: 0.08/Ed.11	Session B2 / Moderated by Prof. José António Room: 0.07/Ed.11	Session B3 / Moderated by Prof. Teresa Monteiro Room: 0.11/Ed.11
11:15 AM	Towards Operational Excellence in Research Centres Aline Magalhães de Barros	Decision-Support Frameworks for Industrial Symbiosis Practices in Photovoltaic Waste Management Marcela Leonardo Jorio	Mapping the Future: Exploring Bankruptcy Prediction Models Through a Systematic Literature Review Ana Margarida Jorge Sousa
11:30 AM	Assembly line operator loop tracking with UHF RFID Alberto António Bumba	What if? Forecasting the Demand for Electrical Vehicles in Portugal Anna Luiza Sousa Vieira Santos	A Metaheuristic Approach for the Production Routing Problem Mário Leite
11:45 AM	Multi-Project Scheduling Under Uncertainty: An Approach to Exploit Resource Flexibility Marzieh Aghileh	Impact of Electricity Tariffs and Demand Response on Market Dynamics and Consumer Benefits Sara Golmaryami	Controlling the Spread of Fake News: An Optimal Control and SIR Modeling Framework Daniel Botelho
12:00 PM	Enhancing Human-Robot Collaboration through interaction strategies and verbal transparency André Cardoso	Energy Demand Forecasting for Developing Economies in Sub-Saharan Africa Budareld Maria Mbumba	Exploring Sustainability Impacts in Construction Under a SROI Methodology Perspective Filipe Machado Duarte
12:15 PM	Closing Session (Room: 0.08/Ed.11) – Best Poster Award Announcement		