

09th June 2026 – Workshop DPISE/PDEIS 2026 PROGRAM5 PROGRAM

9:30 **Opening Session** (Room: 0.08/Ed.11)

AM **Prof. Joana Cunha**, 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. Anabela Alves**
Room: 0.07/Ed.11

**Session A3 / Moderated by
Prof. Ana Cristina Braga**
Room: 0.11/Ed.11

10:00
AM Integration of Ergonomics in the Design of Personalized Products through Hybrid Manufacturing
Lídia Lemos R.

Data-Driven Approach for Real-Time Operator Balancing in Manual Assembly Lines
Alberto António Bumba

Assessment Suppressed Electricity Demand for Electricity in Angola's Social Sector Schools and Hospitals
Budareld Maria Mbumba

10:15
AM Self-sustainable predictive framework to support decision-making in Ergonomics and Human Factors
Mariana Maia Carneiro

Manufacturing system failures identification through predictive approach: a contribute for industry 5.0
Eduardo Santos

Energy Forecasting and Performance Management in Large Commercial Buildings
Patricio del Rio Fernandes Palinhas

10:30
AM Risk factors associated with operational activities of bus drivers: A systematic literature review
Tânia Micaela Teixeira Silva

Visual Assistant for Safety in Lean Construction
Guilherme Rui Sousa Silva

Reverse logistics for end-of-life batteries
Anna Luiza Souza Vieira Santos

10:45
AM Occupational risk factors and musculoskeletal disorders in food retail workers: A systematic literature review
Inês Isabel da Conceição Lapa Brasiela

Artificial Intelligence in Construction Management: A Systematic Review of Applications Across Project Lifecycle
Alexandre Augusto de Castro Meirelles

Industry 4.0 ‘Technology Stacks’ Drive Sustainability in the Built Environment: From Isolated Tools to Integrated Ecosystems
Filipe Machado

11:00
AM

Coffee-Break

PARALLEL SESSIONS #B

	Session B1 / Moderated by Prof. Teresa Monteiro Room: 0.08/Ed.11	Session B2 / Moderated by Prof. Elsa Silva Room: 0.07/Ed.11	Session B3 / Moderated by Prof. Rui Sousa Room: 0.11/Ed.11
11:15 AM	A Multiclass Model for Financial Distress and Bankruptcy Prediction Ana Margarida Jorge Sousa	CareSync – Process redesign based on the principles of Ergonomics and Human Factors to ensure care quality and patient safety: The role of health teams Daniela Filipa Campos Ferreira	Towards Operational Excellence in Public Research Centres Aline Magalhães de Barros
11:30 AM	Modelling the spread of fake news: a multi-objective approach Daniel Botelho	Real-Time Location Systems for Patient Flow Monitoring in Emergency Departments: A Pilot Study Erik Teixeira Lopes	A survey design rationale for Go-to-Market and Sustainability Strategies in European Digital Startups Rui Galvão Brito
11:45 AM	From analytical insight to organizational decision: Rethinking output governance in data-driven management Hermenegildo Domingos Baptista	Measuring Surgical Performance through KPIs: Gaps, Opportunities, and a Systemic Approach Paulo Martins Fernandes	Solving the Integrated Production and Routing Problem using a Skewed Hybrid Variable Neighborhood Search Algorithm Mário Leite
12:00 PM	Closing Session (Room: 0.08/Ed.11) – Best Poster Award Announcement		