
Programme

Workshop

on

- ❖ Context of businesses' digital transformation.
- ❖ Practical approaches, technologies and methods for design and process control in industry and associated services.
- ❖ People's capabilities valorization through processes digital transformation, new skills and competences.
- ❖ Broader perspective of customer focus, including customer experience associated to digital processes.
- ❖ Approaches to respect the planet and the community where the business operates to increase and sustain performance.
- ❖ Business models and performance control.
- ❖ Other related topics for sharing practices, testing innovative solutions, and learning together with students – professors – professionals in companies – researchers to motivate students to become more enthusiastic and passionate in the research of engineering solutions.

DIGITAL4PPP (People Planet Performance) Workshop

Organized in blended format during November, the 23rd – 24th 2023, hosted by National University of Science and Technology POLITEHNICA Bucharest, the Faculty of Industrial Engineering & Robotics and the Department of Quality Engineering and Industrial Technologies

In the framework of EELISA
(<https://community.eelisa.eu/activities/digital4ppp-workshop/>)

Bucharest, the 23rd – 24th of November 2023

Digital4PPP_Workshop



Co-funded by the
Erasmus+ Programme
of the European Union



Morning 11 AM, November 23, 2023 (Thursday)
In person presentations
UNSTB Library Building, 4th floor, room 4.2.

11:00 – 11:10	<i>Opening word</i>
11:10 – 11:30	<i>New business approach for robotic packaging system</i> Ciprian RIZESCU, Cristian Gabriel ALIONTE, Dana RIZESCU, Andreea Dana ALIONTE
11:30 – 11:50	<i>Coaching for motivating students for professional and entrepreneurial life</i> Andreea Dana ALIONTE, Cristian Gabriel ALIONTE
11:50 – 12:10	<i>Cybersecurity Assessment and Certification of Critical Infrastructures</i> Emil SIMION
12:10 – 12:30	<i>Strategic Management of University-Business Collaboration: Exploring Partnership Approach Models in EELISA Universities</i> Oana Daniela BUGAN, Elena Cristina FAINA
12:30 – 12:50	<i>Digital document management for work practices improvement</i> Mihai PANTAZI
12:50 – 13:10	<i>Digitalization and the impact on health and safety in retail</i> Nicoleta ADOCHITEI
13:10 – 13:30	Break
13:30 – 13:50	<i>Simulation of the welding process</i> Alexandru Vlăduț OPREA
13:50 – 14:10	<i>Digital educational processes – perspectives and limitations</i> Mădălina Violeta CAZAN
14:10 – 14:30	<i>Assessment of Customer Satisfaction in Automotive Industry</i> Alina Ioana MITRACHE
14:30 – 14:50	<i>The state of art in Contemporary Automotive Braking Systems and Their Environmental Consequences</i> Alexandru Eduard EPUREANU
14:50 – 15:10	<i>Ethical Use of Large Language Models in Academia</i> Raymond MAIORESCU
15:10 – 15:30	<i>Approaches by Monte Carlo Modeling for Efficiency of Proton Beam Therapy and Estimation of Pay Gaps</i> Elena Corina CIPU, Ruxandra Ioana CIPU, Ștefania Maria MICHNEA
15:30 – 15:50	<i>Implementation of Fast Track System in Prysmian Factory (Slatina)</i> Dan Eremia



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Morning 10 AM, November 24, 2023 (Friday)
Online presentations MS Teams class: [Workshop DIGITAL4PPP](#)

10:00 – 10:20	<i>Employee training and upskilling in businesses digital transformation</i> Maria Vasilica MUSTATA
10:20 – 10:40	<i>Research on the choice of filler metal for welding dissimilar joints with Duplex steels</i> Alexandra TUDOR, Ștefan CRĂCIUN, Ionelia VOICULESCU
10:40 – 11:00	<i>Contributions regarding the study of the impact of the introduction of new technologies into work systems on the health and safety of workers at the workplace</i> Andrei Silviu CONSTANTIN
11:00 – 11:20	<i>Passing the Digital Frontier: Challenges and Limitations</i> Nicoleta LUPU
11:20 – 11:40	<i>FEM analysis for an implantable device used in the treatment of vertebral compression fracture (VCF)</i> Iulius STROE, Ionel SIMION, Alexandru DUMITRACHE-RUJINSKI
11:40 – 12:00	<i>A Concept for Implementation Kanban Method in Learning Factory</i> Loredana NECȘOI, Ana GAVRILUȚĂ, Eduard Laurențiu NIȚU
12:00 – 12:20	Break
12:20 – 12:40	<i>The Influence of ERP Systems on The Performance Indicators of The Supply Chain Management</i> Ana GAVRILUȚĂ, Loredana NECȘOI
12:40 – 13:00	<i>Study on the implementation of the DOJO method for the training of operators in the automotive industry</i> Georgiana Cătălina NEACȘU (DOBRIȘAN), Georgiana Cătălina NEACȘU, Eduard Laurențiu NIȚU, Ana Cornelia GAVRILUȚĂ, Georgica Gheorghiu VLAD, Elena Mădălina DOBRE, Maria Magdalena STAN
13:00 – 13:20	<i>From DMAIC to Industry 5.0</i> Flory VLAD
13:20 – 13:40	<i>Boosting Sustainable Digital Education for European Universities (BoostEdU)</i> Josef REBENDA
13:40 – 14:00	<i>Challenges for sustainable transport in supply chain in automotive industry</i> Andreea Mădălina ALEXANDRU
14:00 – 14:20	<i>Dealing with Rare Events: The Need to Know the Customer</i> Ayse Humeyra BILGE
14:20 – 14:40	<i>State of the art of NDT of welding structure</i> Dragoș- Cristian SILION
14:40 – 15:00	<i>Researches concerning the transition to Quality 5.0 principles</i> Laura SCUTARU
15:00-15:15	Closing remarks

