

Lodz University of Technology
National Aerospace University “Kharkiv Aviation Institute”

Program of
2nd International Workshop of IT-professionals on Artificial Intelligence
Profit AI 2022
(December, 2-4, 2022)



Łódź, 2022

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Section 1

December, 2nd, 2022

Offline: Lodz University of Technology, Institute of Information Technology

Online: Zoom [link](#)

14:00 – 16:00

1. “Intelligence Web Analysis of Internet Resources of Intangible Digital Cultural Heritage Collections”, *Viktoriia Dobrovolska, Tetiana Bilushchak, Yuriy Serov*
2. “Binary classification: Ensemble Methods Utilizing Decision Theory Tools”, *Oksana Pichugina, Lyudmyla Kirichenko, Tamara Radivilova*
3. “Application of Multidimensional Scaling Model for Hepatitis C Data Dimensionality Reduction”, *Ievgen Meniailov, Halyna Padalko*
4. “Speech-To-Text Software Design for the High Education Learning”, *Elena Yashina, Tetiana Rubanik, Andriy Chukhray*
5. “Studying Mixed Normalization Strategies of Lambda Terms”, *Vladyslav Shramenko, Victoriya Kuznietcova, Grygoriy Zholtkevych*
6. “Simulation of Impact of Migration Caused by the War in Ukraine on COVID-19 Epidemic Process in Moldova”, *Dmytro Chumachenko, Pavlo Pyrohov, Lyubov Makhota*

Section 1

December, 3rd, 2022

Offline: Lodz University of Technology, Institute of Information Technology

Online: Zoom [link](#)

10:00 – 12:00

1. “Mathematical Modeling of Steady Flow Distribution in Water Supply Networks with Pumping Stations and Regulating Capacitances”, *Sergey Dyadun, Sergey Yakovlev, Oleg Kobylin*
2. “Cardiac Studies Diagnostic Data Informative Features Investigation based on Cumulative Frequency Analysis”, *Kseniia Bazilevych, Mykola Butkevych, Nataliia Dotsenko*
3. “Evolutionary-Fragmentary Model of the One-Depot Vehicle Routing Problem”, *Igor Kozin, Oksana Pichugina*
4. “Detection of Patients with Diabetes Mellitus using Density-Based Spatial Clustering of Applications with Noise”, *Serhii Krivtsov, Ievgen Meniailov, Kyryl Korobchynskyi*
5. “Methods For Increasing The Reliability Of The Functioning Of Pipeline Systems”, *Sergey Dyadun, Yevgeniy Bodyanskiy, Kyryl Korobchynskyi, Oleg Kobylin*
6. “Dimensionality Reduction of Chronic Kidney Disease Data using Principal Components Analysis”, *Tetyana Chumachenko, Kseniia Bazilevych*
7. “The Choice of the Operability Restore Tools of Rational Control Objects”, *Olena Havrylenko, Anatoly Kulik, Andriy Chukhray*

Closing Ceremony

December, 4th, 2022

Offline: Lodz University of Technology, Institute of Information Technology

Online: Zoom [link](#)

10:00 – 12:00