

EAI FABULOUS 2024 - 8th EAI International Conference on Future Access Enablers of Ubiquitous and Intelligent Infrastructures

*May 9-10, 2024
Zagreb, Croatia*

Conference Program

Thursday, 9th of May 2024

09:30 - 10:00 Registration

10:00 - 10:15 Welcome Speech

- **Prof. Dragan Peraković**
University of Zagreb, Faculty of Transport and Traffic Science, Croatia
- **Assoc. Prof. Lucia Knapčíková, Ph.D.**
Technical University of Košice, Faculty of Manufacturing Technologies, Slovak Republic

10:15 - 10:50 Keynote Speech

10:15 - 10:50 Prof. Piotr A. Kowalski: Why Explainable Artificial Intelligence is Indispensable in Neural Network Tools? (AGH University of Krakow, Poland)

10:50 - 16:30 Plenary session/Oral Presentations

10:50 - 11:05 Šimić, G.; Jevremović, A.; Strugarević, D. Improvement of the Teaching Process Using the Genetic Algorithm

11:10 - 11:25 Tauberová, R.; Knapčíková, L.; Vandžura, R. Monitoring the Surface Treatment Effect on the Polyvinyl Butyral Samples in the Age of Digitalization

11:30 – 12:00 Coffee Break / Networking

12:00 - 12:15 Stojanov, Z.; Brtko, V.; Jotanović, G.; Jauševac, G.; Peraković, D.; Dobrilović, D. A Model of Cloud-Based System for Monitoring Air Quality in Urban Traffic Environment

12:15 - 12:30 Matulin, M.; Mrvelj, Š.; Čop, L. Impact of Service Time Distributions and Server Utilization on Tandem Queueing System Performance

12:30 - 12:45 Bahri, J. ; Sebgui, M.; Guennoun, Z. Enhanced Relaxed Loop Free Updates in Software Defined Network (Video presentation)

12:45 - 14:00 Lunch

14:00 - 14:15 Šarčević, M. CIO in the Organizational Hierarchy

14:15 - 14:30 Grazianová, M.; Smetanková, J.; Ručinský, R.; Zemanová, L. Methods and Practices of Integrated Construction Process Management – Minimizing Environmental Impacts and Promoting Efficient Resource Management

14:30 - 14:45 Knapčíková, L. PLAN-C - Moving PLastics and mACHine iNdustry towards Circularity (Interreg Danube Region), project presentation

14:45 - 15:15 Coffee Break / Networking

15:15-16:30 Poster Session / Networking

1. **Korba, P.; Hovanec, M.; Tymoffiv, V.; Al-Rabeei, S.; Vencel', M.; Asnad, P.** Use of PLM in Preparation for Simulation of Logistic Processes
2. **Mandičák,T.; Behúnová, A.; Mésaroš, P.; Behún, M.** Sustainable Productivity Improvement in CPM through Building Information Modeling in the Context of Circular Construction
3. **Jozef Husár, J.; Trojanowski, P.** Integration of Electromobility into Public Systems: A Case Study
4. **Cvitić, I.; Al Hamadi, H.; Kuljanić, T.; Aleksić, D.** An Empirical Analysis of Machine Learning Approaches for Phishing Detection
5. **Peraković, D.; Talazadeh, S.** SARF: Stock Market Prediction with Sentiment-Augmented Random Forest
6. **Pekarčík, P.; Chovancová, E.; Kuchčáková, T.** New Approach to Crossover of Encryption Algorithms
7. **Kowalski, P.; Jeczminek E.; Charytanowicz M.; Lukasik A.; Niewczas J.; Kulczycki P.** Classification of Wheat Species Using Convolutional Neural Networks - A Comparative Study

19:00 - 23:59 **Social evening** and Closing Ceremony

Friday, 10th of May 2024



10:00 - 13:00 **Technical Session / Tour**