MEDNARODNA KONFERENCA O VISOKO ZMOGLJIVI OPTIMIZACIJI V INDUSTRIJI
INTERNATIONAL CONFERENCE ON HIGH-PERFORMANCE OPTIMISATION IN INDUSTRY

Ponedeljek 8. oktober 2018 // Monday 8th October 2018
Predavalnica: Velika predavalnica IJS // Hall: Large lecture hall IJS

09:00 - 11:00	Sekcija A / Conference Opening, Session A: Methodology Vodi / Chair: El-Ghazali Talbi • **Tea Tušar:** On Using Real-World Problems for Benchmarking Multiobjective Optimization Algorithms • **Frederik Rehbach, Jörg Stork, Thomas Bartz-Beielstein:** Bridging Theory and Practice Through Modular Graphical User Interfaces • **Beate Breiderhoff, Boris Naujoks, Thomas Bartz-Beielstein, Bogdan Filipič:** Expensive Optimisation Exemplified by ECG Simulator Parameter Tuning • **Wellington Rodrigo Monteiro, Gilberto Reynoso-Meza:** A Hybrid Optimization Strategy with Low Resource Usage for Large Scale Multi-objective Problems
11:00 - 11:30	Odmor za kavo / Coffee break
11:30 - 13:00	Sekcija B / Session B: Transportation and Automotive Industry Vodi / Chair: Thomas Bartz-Beielstein • **Jihane Serrar, Rachid Ellaia, El-Ghazali Talbi:** Electric Vehicle Routing Problem: State of the Art • **Erik Dovgan, Jaka Sodnik, Bogdan Filipič:** Optimization of End-to-End Deep Learning for Obtaining Human-Like Driving Models • **Mohammad Rahimi, El-Ghazali Talbi:** A Bi-Objective Maintenance-Routing Problem: Service Level Consideration • **Hiroaki Fukumoto, Akira Oyama:** Study on Reducing Turn-Around Time of Multi-Objective Evolutionary Algorithm on an Industrial Problem
13:00 - 14:00	Odmor za kosilo / Lunch break

14:00 - 15:30	Sekcija C / Session C: Engineering and Manufacturing Vodi / Chair: Erik Dovgan

- **Gregor Papa, Gašper Petelin, Peter Korošec:**
  Evolution of Electric Motor Design Approaches: The Domel Case
- **Aljoša Vodopija, Jörg Stork, Thomas Bartz-Beielstein, Bogdan Filipič:**
  Model-Based Multiobjective Optimization of Elevator Group Control
- **Gregor Papa, Peter Korošec:**
  From a Production Scheduling Simulation to a Digital Twin

CONFERENCE CLOSING