

**SLOVENSKA KONFERENCA O UMETNI INTELIGENCI /**  
**SLOVENIAN CONFERENCE ON ARTIFICIAL INTELLIGENCE**

Četrtek, 11. oktober 2018

// Thursday, 11th October 2018

Predavalnica: Fizikalni seminar

// Hall: F1 seminar room

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14:00 - 15:30

Sekcija C / Session C

Vodi / Chair: Vito Janko

- **Gjorgi Peev, Nikola Simidjievski, Sašo Džeroski:**  
Aiding the Task of Process-Based Modeling with ProBMoTViz
  - **Gašper Slapničar, Erik Dovgan, Andrejaana Andova, Mitja Luštrek:**  
Reconstructing PPG Signal from Video Recordings
  - **Marija Trajanoska, Marko Katrašnik, Junoš Lukan, Martin Gjoreski, Hristijan Gjoreski, Mitja Luštrek:**  
Context-aware Stress Detection in the AWARE Framework
  - **Nina Reščič, Mitja Luštrek:**  
Hierarchical Multi-label Classification for Activity Recognition
  - **Maj Smerkol, Mitja Luštrek:**  
Emotion Recognition Using Audio Speech Signal
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## SLOVENSKA KONFERENCA O UMETNI INTELIGENCI / SLOVENIAN CONFERENCE ON ARTIFICIAL INTELLIGENCE

Petek, 12. oktober 2018

// Friday, 12th October 2018

Predavalnica: Predavalnica MPŠ

// Hall: IPS Hall

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09:00 - 11:00

Sekcija A / Session A

Vodi / Chair: Marko Bohanec

- **Marko Debeljak, Vladimir Kuzmanovski, Sašo Džeroski, Aneta Trajanov, Veronique Tosser Arvalis:**  
Assessment and Prediction of Auxiliary Carabid Species in Agricultural Fields
- **Aneta Trajanov, Tanja Dergan, Marko Debeljak:**  
Taxonomies for Knowledge Representation of Sustainable Food Systems in Europe
- **Tanja Dergan, Aneta Trajanov, Marko Debeljak:**  
Uporaba povezave kalkulacijskega simulacijskega modela z analizo tveganja pri podpori odločanja v kmetijstvu
- **Anton Gradišek, Candace Galen, Nicolas Cheron, David Heise, Janez Grad:**  
Monitoring Bumblebee Daily Activities Using Microphones
- **Miha Mlakar, Scott Sobel:**  
Opis zmagovalne rešitve na mednarodnem tekmovanju o napovedovanju izida točk v tenisu
- **Vito Janko, Nejc Mlakar, Jani Bizjak:**  
BRISCOLA: Being Resourceful In Stacking Cards - Opponent, LamentAway
- **Matjaž Kukar:**  
Evaluation and Prospects of Semi-automatic Video Distance Measurement in Ski Jumping

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11:00 - 11:30 Odmor za kavo / Coffee break

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11:30 - 13:00 Sekcija B / Session B  
Vodi / Chair: Rok Piltaver

- **Andreja Malus, Rok Vrabič, Dominik Kozjek, Peter Butala, Matjaž Gams:**  
The Influence of Communication Structure on Performance of an Agent-based Distributed Control System
- **Adem Kikaj, Marko Bohanec:**  
Complex Decision Rules in DEX Methodology: jRule Algorithm and Performance Analysis
- **Jani Bizjak, Matjaž Gams:**  
Improvement of AI through Deep Understanding
- **Jurij Nastran, Beno Šircelj, Drago Bokal, Matjaž Gams:**  
Sensitivity Analysis of Computational Models that Dissolve the Fermi Paradox
- **Tjaša Zapušek:**  
European Legal Regulation of Self-learning Systems

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13:00 - 14:00 SVEČANA PRIREDITEV / CONFERENCE CEREMONY

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