Conference Program

Preliminary Program of the Conference

Please note that, there might be some changes regarding the schedule. All authors will be informed about the change in their sessions.

15 September (Monday)

18:00- Welcome Reception at the University Conference Hall (former Synagogue), 5 Kossuth L. str., Győr, Hungary

16 September (Tuesday)

08:00- Registration at ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary

09:00-09:30 Opening

09:20-10:30 Keynote Session at Room ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary

09:30-10:30 Doru Talabă

10:30-11:00 Caffe Break

11:00-12:00 Session: Models in Computational Intelligence at Room ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary

11:00-11:20 B. Tarnauca, F. Moldoveanu, C. Suciu, L. Sasu, D. Puiu Integration of Model Based Prediction into Complex Event Processing Applications

11:20-11:40 D. Coufal A Note on Coverings by Radial Rule Bases

11:40-12:00 Zsolt Csaba Johanyák Performance Enhancement of the Fuzzy Rule Interpolation Method FRISUV by Rule Weightsight Tuning

12:00-12:20 Robert Fullér On Possibilistic Portfolio Selection Models

12:20-14:00 Lunch at Révész, 22 Hérdervári str, Győr, Hungary

14:00-15:20 Session: Mobile Robot Systems at Room ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary

14:00-14:20 P.N. Borza, V. Delgado-Gomes, M.C. Carp Electric Vehicles Control using Biological Paradigms

14:20-14:40 Răzvan Gabriel Boboc, Doru Talabă Point-and-command Paradigm in Human - Robot Interaction
14:40-15:00 F. Gîrbacia, S. Butnariu, D. Talabă, D. Pislă Multi-objective optimization for brachytherapy robotic interventions

15:00-15:20 M. Duguleana, A. Nedelcu and Gh. Mogan Obstacle avoidance in dynamic environments based on Q-learning and neural networks

**15:20-15:50 Coffee Break**

**15:50-17:10 Session: Networks at Room ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary**

15:50-16:10 C. Costache, T. Balan, F. Sandu, D. Robu Software-Defined Networks for Secure Distributed Industrial Communications

16:10-16:30 D. Robu, C. Costache, A. Balica, T. Balan, F. Sandu Packet Processing for Streaming Filtering on ATCA Platforms


*16:50-17:10 László Kovács Uncertainty Models in Ontology Management*

**18:00- Dinner at Révész, 22 Hérdervári str, Győr, Hungary**

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**17 September (Wednesday)**

**08:00- Registration at ÚT-230**

**09:00-10:20 Session: Built Environment Applications at Room ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary**

09:00-09:20 Adrienn Buruzs, Miklós Ferenc Hatwágner and László Tamás Kóczy Studies on the sustainability of integrated waste management systems

09:20-09:40 Dalia Susniene, András Torma, Adrienn Buruzs, Miklós F. Hatwágner and László T. Kóczy Developing a new method to model the causal relationships in stakeholder management at companies by using Fuzzy Cognitive Map Approach

09:40-10:00 Gergely Molnarka and Laszlo T. Koczy Fuzzy Signature State Machine-based Building Refurbishment Chain Optimization

10:00-10:20 István Polt, László T. Kóczy Modelling warehouse layouts based on Fuzzy Situational Maps

*10:20-10:40 Ádám Bukovics, István Harmati and László Kóczy Decision Support Based on the Evaluation of Residential Buildings*

**10:40-11:00 Coffee Break**

**11:00-12:40 Session: Fuzzy Mathematical Models at Room ÚT-230, Széchenyi István University, 1**
11:00-11:20 Juan Carlos Díaz and Jesús Medina Moreno  Flexible fuzzy relation equations

*11:20-11:40 Ferenc Lilik and Laszlo T. Koczy  Fuzzy Handling of the Effects of Noise and Insertion Loss

11:40-12:00 Áron Ballagi, Pozna Claudiu Radu and Laszlo T. Koczy  The internal relations of fuzzy situational map nodes

*12:00-12:20 István Harmati, Ádám Bukovics and Laszlo T. Koczy  Sensitivity Analysis of Fuzzy Signatures

*12:20-12:40 Miklós Ferenc Hatwágner, Adrienn Buruzs and László T. Kóczy  Possible manners of Fuzzy Cognitive Maps' state reduction

12:40-13:30 Lunch at Conference Site

13:30-14:30 Session: Artificial Intelligence at Room ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary


14:10-14:30 József Sziray  Generation of Software Tests on the Basis of Cause-Effect Graphs

14:30-14:50 Coffee Break

14:50-16:50 Special Session: Statistical and Soft Computing at Room ÚT-230, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary

Chair: Piotr Kulczycki

14:50-15:10 J. Kacprzyk, D. Golunjska: Cost of reaching the consensus in a group of agents based on a psychology of opinion change


15:30-15:50 M. Roszkiewicz, P. Kulczycki: Characteristics of Global Innovation Process Based on Short Time Series Analysis

15:50-16:10 K. Zabkiewicz, Sz. Lukasik, P. Kulczycki: Genetic Programming Based Rule Classifier for Data Streams with Heterogeneous Features

16:10-16:30 P.A. Kowalski, Sz. Lukasik: Tuning Neural Networks with Krill Herd Algorithm

16:30-16:50 D. Kruszewski: Modelling Repeated Measurements Data on the Example of Systolic and Diastolic Blood Pressure
18:00 - Gala Dinner at Amstel Hattyú, 18 Töltésszer str, Győr, Hungary

18 September (Thursday)

10:00-12:00 Ceremony at University Aula, Széchenyi István University, 1 Egyetem sqr, Győr, Hungary

12:00-12:15 Coffee Break at ÚT-230

12:30-13:30 Inauguration Talk at Room F
12:30-13:30 Janusz Kacprzyk

13:30-15:00 Lunch at Révész, 22 Hérdervári str, Győr, Hungary

15:00 - Cultural Program