

MATHINFO CONFERENCE

7-8 September, 2023

Program Informatics

September 07, Thursday

08:00-9:10 Breakfast & Registration
09:20-9:30 Opening (József Domokos & Csaba Farkas)
09:30-10:20 **Plenary Lecture** (Chair: Kása Zoltán)
Zalán Bodó: *Automatic fake news detection*
10:20-10:30 Discussion

10:30-11:00 Coffee Break

Session 1

Chair: Margit Antal

11:00-11:20 **Madalina Dicu:** *Analyzing the Effects of Augmentation Methods on Icon Detection through Machine Learning*
11:20-11:40 **Margit Antal:** *ThesisSense: Using Large Language Models to extract meaningful information from theses*
11:40-12:00 **László Fórián:** *Modified Deep Learning Models to Handle Noisy Labels*
12:00-12:20 **Mirtill - Boglárka Naghi:** *An Adaptive Parameter Setting Technique for the Possibilistic Fuzzy c-Means Clustering Algorithm*

12:30-14:30 Lunch Break

Session 2

Chair: Zoltán Kása

15:00-15:20 **Gyöngyvér Márton:** *Security problems in smart greenhouses*
15:20-15:40 **Katalin Tünde Jánosi Rancz:** *National exam results in Romania - behind the scenes*
15:40-16:00 **Zoltán Kása:** *Order in disorder with examples from graph theory*
16:00-16:20 **David Iclanzan:** *Dynamics of Excess Mortality*

16:20-16:50 Coffee Break

19:00-21:30 **Gala dinner:** tasting of Romanian wines with the invited sommelier **Tamás Bándi**

21:40- Serbia-Hungary football match (Room 114, main building)

MATHINFO CONFERENCE

7-8 September, 2023

September 08, Friday

08:00-9:00 Breakfast

09:00-09:50 **Plenary Lecture** (Chair: Miklós Pintér)

Tibor Illés: *Sufficient linear complementarity problems: algorithms and computational results*
09:50-10:00 Discussion

10:00-10:30 Coffee Break

Session 3

Chair: Zoltán Kátai

10:30-10:50 **Attila Szőcs:** *A new segmented and annotated colposcopy image set, image mapping necessary for the conization of the cervix*

10:50-11:10 **Pálma Rozália Osztíán:** *See, Learn, Code: Elevating Data Structures and Algorithms with Videos*

11:10-11:30 **Ágnes-Rózsa Sántha:** *Gender and Educational Background as Determinants of Computational Thinking Skills among First-Year Students at the Sapientia Hungarian University of Transylvania*

11:30-11:50 **Zsuzsanna Timea Nagy:** *Evolving teaching methods: balancing traditional teaching and e-learning in mathematics education*

11:50-12:10 **Zoltán Kátai:** *Transitioning the AlgoRythmics project from the dance floor to the stage*

12:10-14:30 Lunch Break