

	THURSDAY, OCTOBER 1 - MORNING SESSIONS
9:00 - 9:20	Opening
9:20 - 10:20	Invited talk: András Lőrincz. Human Machine Intelligent Interaction: Has time arrived? Chair: Erzsébet Csuhaaj-Varjú
10:20 - 10:40	Break
	Session A (Mathematics) – Chair: Andrei Marcus
10:40-12:00	<ol style="list-style-type: none"> 1. Istvan Farago and Rahele Mosleh. Positivity Preserving Numerical Method for an Extended Ross Model for Malaria Propagation 2. Bálint Takács, Róbert Horváth and István Faragó. Numerical methods for space-dependent SIR models with constant delay 3. Ágnes Backhausz and Edit Bognár. Epidemic spread on random graphs with multiple type nodes 4. Boroka Oltean-Peter. Comparing epidemiological models with the help of visualization dashboards
12:00 - 14: 00	Lunch break
	Session B (Computer Science) – Chair: Horia F. Pop
10:40 -12:00	<ol style="list-style-type: none"> 1. Viktor Varga. Label Propagation with Graph Neural Networks in Interactive Video Segmentation Annotation 2. Marton Veges. Scale-free Loss for Absolute Pose Estimation 3. László Kopácsi. A Self-Supervised Method for Bodypart Segmentation and Keypoint Detection of Rat Images 4. Áron Fóthi. Train multi object tracker on similar instances
12:00 - 14: 00	Lunch break
	Session C (Computer Science) – Chair: Erzsébet Csuhaaj-Varjú
10:40 -11:40	<ol style="list-style-type: none"> 1. Napsugár Fanni Gáti and Attila Kiss. Sound classification with transfer learning

	<ol style="list-style-type: none"> 2. Róbert Szabó, Dániel Katona, Márton Csillag, Adrián Csiszárík and Dániel Varga. Visualizing Transfer Learning 3. Ádám Révész and Norbert Pataki. A Language and Its Compiler for Programming Serverless Applications
12:00 - 14: 00	Lunch break
	THURSDAY, OCTOBER 1 - AFTERNOON SESSIONS
	Session A (Mathematics) – Chair: Anna Soos
14:00 - 15:20	<ol style="list-style-type: none"> 1. Anita Windisch and Péter L. Simon. The dynamics of the Hopfield model for homogeneous weight matrix 2. László Németh and András Zempléni. A new bootstrap resampling scheme for INAR processes with trend 3. Istvan Fazekas and Attila Barta. Theoretical and simulation results for a 2-type network evolution model 4. Istvan Fazekas and Michael Suja. Asymptotic results for contaminated runs of heads
15:20 - 15:50	Break
	Session A (Mathematics) – Chair: Péter Ligeti
15:50 – 16:50	<ol style="list-style-type: none"> 1. Nikolai Ryzhkov and Ildikó László. Stability of triangularisation of polynomial matrices 2. Szabolcs Levente Fancsali and János Szenthe. About spatially homogeneous space-time models 3. Sandor Szabo. Scheduling with time restriction and clique search
	Session B (Computer Science) – Chair: Bálint Molnár
14:00 - 15:20	<ol style="list-style-type: none"> 1. Zsombor Rigmányi, Zsolt Kovács and David Iclanzan. Optimal Scale for the Classification of Immunohistochemically Stained Colorectal Carcinoma Samples 2. Tamás Pál, Bálint Molnár and Ádám Tarcsi. Lightweight, length invariant models and dimensionality reduction in respiratory disease detection

	<ol style="list-style-type: none"> 3. Csaba Pinter and Ábel Fóthi. Community structures of autism genes on functional interaction graphs support the omnigenic background of complex neurodevelopmental disorders 4. Yash Paul and Sandor Fridli. Sleep states detection using Halfwave and Franklin transformation
15:20 - 15:50	Break
	Session B (Computer Science) – Chair: Bálint Molnár
15:50 - 17:10	<ol style="list-style-type: none"> 1. Ádám Fodor. Enhancing Apparent Personality Trait Analysis with Cross-Modal Embeddings 2. Zsolt Németh and Gergely Nagy. Color image analysis and recognition using orthogonal quaternion Zernike moments 3. Mirtill Boglárka Naghi and David Iclanzan. Operator splittings Computational Evolutionary Perception 4. Katalin Bene and László Szabó. Lloyd's clustering method is not 1-separability detecting
	Session C (Computer Science) - Chair: Tamás Kozsik
14:00 - 15:20	<ol style="list-style-type: none"> 1. Zsigmond Máriás and Bálint Molnár. Representation of Product Catalog in a Multifaceted Demand Structure by Hypergraphs 2. Manuela Petrescu. Digitalization process of public services. Romania's example 3. Mohammed B. M. Kamel, Peter Ligeti and Christoph Reich. Region-Based Distributed Hash Table for Fog Computing Infrastructure 4. Adrienn Koncz and Attila Gludovátz. Indirect electricity consumption calculation in the product manufacturing
15:20 - 15:50	Break
	Session C (Computer Science) - Chair: András Benczúr
15:50 - 17:10	<ol style="list-style-type: none"> 1. Khawla Bouafia, Maxim Kumundzhiev and Bálint Molnár. Application of models and hypergraph on dynamic aspect of business process performance analysis 2. Chuangtao Ma and Bálint Molnár. Semantic Consistency behind Ontology Learning and Schema Mapping for Heterogeneous Data Integration

	3. Meriem Kherbouche and Balint Molnar. Modelling to Program in the case of Workflow Systems -Theoretical background and literature review-
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