

ISCAMI 2018 – PROGRAMME AT GLANCE

Thursday

10 May 2018

13:00 – 16:45	Registration		
16:45 – 17:00	Opening Ceremony		Hall 1
17:00 – 18:00	Homage	Chair: <i>M. Štěpnička</i>	Hall 1
	Title: Homage to Lotfi A. Zadeh		
	Speakers: V. Novák, I. Perfilieva (<i>University of Ostrava (CZ)</i>)		
19:00 –	Welcome Dinner		Lounge


Friday

11 May 2018

9:00 – 10:30	Tutorial 1	Chair: <i>V. Novák</i>	Hall 1
	Title: Clustering on MSTs		
	Speaker: M. Gagolewski (<i>Warsaw University of Technology (PL)</i>)		
10:30 – 11:00	Coffee Break		Lounge
11:00 – 12:40	Session 1	Chair: <i>I. Perfilieva</i>	Hall 1
	Session 2	Chair: <i>J. Chleboun</i>	Hall 2
12:40 – 13:40	Lunch		Lounge
14:30 – 15:30	Workshop	Chair: <i>P. Vlašánek</i>	Hall 1
	Title: ETL in DWH and in Hadoop ecosystem		
	Speaker: J. Štěpnička (<i>EVL Tool, s.r.o. (CZ)</i>)		
15:30 – 16:00	Coffee Break		Lounge
16:00 – 17:40	Session 3	Chair: <i>J. Chleboun</i>	Hall 1
	Session 4	Chair: <i>M. Gagolewski</i>	Hall 2
18:30 – 19:30	Dinner		Lounge
19:45 – 20:30	Denet	(<i>rock band concert</i>)	Outdoor Amphitheatre

ISCAMI 2018 – PROGRAMME AT GLANCE

 <i>Saturday</i>		12 May 2018	
9:00 – 10:30	<i>Tutorial 2</i>	Chair: <i>J. Kupka</i>	Hall 1
	Title: Obstacles to minimality Speaker: L. Snoha (<i>Matej Bel University (SK)</i>)		
10:30 – 11:00	<i>Coffee Break</i>		Lounge
11:00 – 12:40	<i>Session 5</i>	Chair: <i>I. Perfilieva</i>	Hall 1
	<i>Session 6</i>	Chair: <i>V. Novák</i>	Hall 2
12:40 – 13:40	<i>Lunch</i>		Lounge
14:30 – 19:00	<i>Free Afternoon</i>		
19:00 –	<i>Social Dinner</i>		Lounge

 <i>Sunday</i>		13 May 2018	
9:00 – 10:30	<i>Tutorial 3</i>	Chair: <i>I. Perfilieva</i>	Hall 1
	Title: Recognising the objects in the point clouds and depth maps using the 3D models Speaker: E. Sojka (<i>VSB - Technical University of Ostrava (CZ)</i>)		
10:30 – 11:00	<i>Coffee Break</i>		Lounge
11:00 – 12:20	<i>Session 7</i>	Chair: <i>M. Gagolewski</i>	Hall 1
	<i>Session 8</i>	Chair: <i>L. Snoha</i>	Hall 2
12:20 – 12:30	<i>Closing Ceremony</i>		Hall 1
12:30 – 13:30	<i>Lunch</i>		Lounge

ISCAMI 2018 – SESSIONS

Friday

11 May 2018

Session 1

Chair: *I. Perfilieva*

Hall 1

- 11:00 – 11:20 **Speaker:** Mojžišek, David
Title: *Geometric proofs*
- 11:20 – 11:40 **Speaker:** Ballová, Dominika
Title: *Trend Analysis and Change-Point Analysis of selected Hydrological Time Series*
- 11:40 – 12:00 **Speaker:** Janeček, Jiří
Title: *Generalized Eigenvector Problem as a Foundation for Dimensionality Reduction*
- 12:00 – 12:20 **Speaker:** Kuruczova, Daniela
Title: *Exploratory analysis options for functional data*
- 12:20 – 12:40 **Speaker:** Škorupová, Nicole
Title: *Topological MI-groups*

Session 2

Chair: *J. Chleboun*

Hall 2

- 11:00 – 11:20 **Speaker:** Peška, Patrik
Title: *Holomorphically projective mappings of equidistant parabolic Kähler spaces*
- 11:20 – 11:40 **Speaker:** Juránek, Jakub
Title: *Non-oscillation of half-linear differential equations by adapted Riccati technique*
- 11:40 – 12:00 **Speaker:** Suchánek, Radek
Title: *General Relativity and Einstein-Cartan Theory*
- 12:00 – 12:20 **Speaker:** Rýparová, Lenka
Title: *On Certain Geodesic Bifurcations*
- 12:20 – 12:40 **Speaker:** Lachman, Dominik
Title: *Bruhat-Tits buildings for group $SL_n(Q_p)$*

Friday

11 May 2018

Session 3

Chair: *J. Chleboun*

Hall 1

- 16:00 – 16:20** **Speaker:** Číž, David
Title: *Capsule Neural Networks in computer vision*
- 16:20 – 16:40** **Speaker:** Šagát, Marián
Title: *Geodesics on Triangulated and Quadrilateral Meshes with Sharp Corners*
- 16:40 – 17:00** **Speaker:** Pukitis, Martins
Title: *Classification of multispectral remote sensing images: comparison of crisp and fuzzy approaches*
- 17:00 – 17:20** **Speaker:** Myszkowski, Adrian
Title: *An algorithmic approach to finding minimal sets of Lefschetz periods for Morse-Smale diffeomorphisms*
- 17:20 – 17:40** **Speaker:** Mirshahi, Soheyla
Title: *Application of LFLF for analyzing real time series in economy*

Session 4

Chair: *M. Gagolewski*

Hall 2

- 16:00 – 16:20** **Speaker:** Lama, Reinis
Title: *Mathematical Programming Approach to Optimization Problems with Fuzzy Relation Constraints*
- 16:20 – 16:40** **Speaker:** Einšpiglová, Daniela
Title: *Diversity-based Population Size Adaptation in Nature-inspired Optimization Algorithms*
- 16:40 – 17:00** **Speaker:** Leššová, Lívía
Title: *Repeated Partial Summations*
- 17:00 – 17:20** **Speaker:** Štiberová, Dušana
Title: *Stochastic independence/dependence in fuzzified probability theory*

Saturday

12 May 2018

Session 5

Chair: *I. Perfilieva*

Hall 1

- 11:00 – 11:20** **Speaker:** Nguyen, Linh
Title: *Weak Boundary Value Problem: Fuzzy Partition in Galerkin Method*
- 11:20 – 11:40** **Speaker:** Panchenko, Maxim
Title: *Fuzzy Inference in MISO-structure Logical-type Systems with Non-singleton Inputs Based on Fuzzy Truth Value*
- 11:40 – 12:00** **Speaker:** Cao, Nhung
Title: *Fuzzy relational compositions dealing with undefined values*
- 12:00 – 12:20** **Speaker:** Sukač, Vojtěch
Title: *Soft consensus in decision-making model using partial goals method*
- 12:20 – 12:40** **Speaker:** Miś, Katarzyna
Title: *Some Remarks on Selected Reasoning Schemas in Fuzzy Logic*

Session 6

Chair: *V. Novák*

Hall 2

- 11:00 – 11:20** **Speaker:** Hudák, Juraj
Title: *Interpolating spline based least square regression*
- 11:20 – 11:40** **Speaker:** Rácz, Gabriella
Title: *r-Lah numbers using graph theory*
- 11:40 – 12:00** **Speaker:** Jánoš, Pavol
Title: *An upper bound on the order of Abelian lifts of complete and complete bipartite multigraphs of diameter two*
- 12:00 – 12:20** **Speaker:** Mikeš, Karel
Title: *Dislocation Pileup Analysis With Quasicontinuum Method*
- 12:20 – 12:40** **Speaker:** Drastík, Jan
Title: *Morphogenetic Growth Modelling with the Unity Game Engine*

Sunday

13 May 2018

Session 7

Chair: *M. Gagolewski*

Hall 1

- 11:00 – 11:20** **Speaker:** Rusnok, Pavel
Title: *Regression ensemble with linguistic descriptions*
- 11:20 – 11:40** **Speaker:** Molek, Vojtěch
Title: *Discovering basic kernels in the first layer of a CNN*
- 11:40 – 12:00** **Speaker:** Gwozdz, Maja
Title: *Optimisation of the Multilayer Perceptron Classifier parameters in speech processing*
- 12:00 – 12:20** **Speaker:** Pelegrinová, Kateřina
Title: *The Semantics of Lemma in a Genre Analysis. A Word Embeddings Approach.*

Session 8

Chair: *L. Snoha*

Hall 2

- 11:00 – 11:20** **Speaker:** Hovana, Anton
Title: *On non-additive integral inequalities*
- 11:20 – 11:40** **Speaker:** Sesma-Sara, Mikel
Title: *First steps towards directional monotonicity for intervals*
- 11:40 – 12:00** **Speaker:** Šeliga, Adam
Title: *Decomposition Integrals*