

## ISCAMI 2017 – PROGRAMME AT GLANCE

### Thursday

8 June 2017

13:00 – 16:45	Registration		
16:45 – 17:00	Opening Ceremony		Hall 1
17:00 – 18:30	Tutorial 1	Chair: <i>M. Holeňa</i>	Hall 1
	<b>Title:</b> Statistical methods for comparison of evolutionary algorithms <b>Speaker:</b> J. Tvrđík ( <i>University of Ostrava</i> )		
19:00 –	Welcome Dinner		Lounge

### Friday

9 June 2017

9:00 – 10:40	Session 1	Chair: <i>P. Murinová</i>	Hall 1
10:40 – 11:10	Coffee Break		Lounge
11:10 – 12:30	Session 2	Chair: <i>J. Tvrđík</i>	Hall 1
12:30 – 14:30	Lunch		Lounge
14:30 – 16:00	Tutorial 2	Chair: <i>M. Štěpnička</i>	Hall 1
	<b>Title:</b> Knowledge discovery for black-box optimization <b>Speaker:</b> M. Holeňa ( <i>Czech Academy of Sciences</i> )		
16:00 – 16:30	Coffee Break		Lounge
16:30 – 17:30	Session 3	Chair: <i>J. Chleboun</i>	Hall 1
19:00 –	Dinner		Lounge

## ISCAMI 2017 – PROGRAMME AT GLANCE

<b>Saturday</b>		<b>10 June 2017</b>	
<b>9:00 – 10:40</b>	<i>Session 4</i>	Chair: <i>V. Novák</i>	Hall 1
<b>10:40 – 11:10</b>	<i>Coffee Break</i>		Lounge
<b>11:10 – 12:30</b>	<i>Session 5</i>	Chair: <i>I. Perfilieva</i>	Hall 1
<b>12:30 – 14:30</b>	<i>Lunch</i>		Lounge
<b>14:30 – 19:00</b>	<i>Free Afternoon</i>		
<b>19:00 –</b>	<i>Social Dinner</i>		Lounge

<b>Sunday</b>		<b>11 June 2017</b>	
<b>9:00 – 10:40</b>	<i>Session 6</i>	Chair: <i>J. Kupka</i>	Hall 1
<b>10:40 – 11:10</b>	<i>Coffee Break</i>		Lounge
<b>11:10 – 12:30</b>	<i>Session 7</i>	Chair: <i>R. Mesiar</i>	Hall 1
<b>12:30 – 12:40</b>	<i>Closing Ceremony</i>		Hall 1
<b>12:40 – 14:00</b>	<i>Lunch</i>		Lounge

# ISCAMI 2017 – SESSIONS

**Friday**

**9 June 2017**

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## *Session 1*

Chair: *P. Murinová*

Hall 1

- 9:00 – 9:20** **Speaker:** Cao, Nhung  
**Title:** *Fuzzy Relation Equations with Fuzzy Quantifiers - Some Initial Observations*
- 9:20 – 9:40** **Speaker:** Nguyen, Linh  
**Title:** *A New Representation of The Discrete Fm-transform*
- 9:40 – 10:00** **Speaker:** Zámečnicková, Hana  
**Title:** *Is Differential Evolution Rotationally Invariant?*
- 10:00 – 10:20** **Speaker:** Stuchlík, Daniel  
**Title:** *Diversity of population in differential evolution*
- 10:20 – 10:40** **Speaker:** Einšpiglová, Daniela  
**Title:** *Differential Evolution with Eigenvector Crossover Solving Rotated Problems*

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## *Session 2*

Chair: *J. Tvrđík*

Hall 1

- 11:10 – 11:30** **Speaker:** Gaynutdinova, Liya  
**Title:** *Numerical solution of the eigenvalue of a problem with a random variable*
- 11:30 – 11:50** **Speaker:** Bačík, Milan  
**Title:** *The functional equation for the Riemann zeta function*
- 11:50 – 12:10** **Speaker:** Tibenský, Matúš  
**Title:** *Convergence of the numerical scheme for regularised Riemannian mean curvature flow equation*
- 12:10 – 12:30** **Speaker:** Mikeš, Karel  
**Title:** *Adaptive Quasicontinuum Simulation of Crack Propagation in Disordered Lattices*

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## *Session 3*

Chair: *J. Chleboun*

Hall 1

- 16:30 – 16:50** **Speaker:** Korec, Evžen  
**Title:** *Stability of simply supported Timoshenko beam under tensile or compressive load*
- 16:50 – 17:10** **Speaker:** Pukitis, Martins  
**Title:** *Classification of multispectral remote sensing images: some remarks on fuzzy logic based approach*
- 17:10 – 17:30** **Speaker:** Mirshahi, Soheyla  
**Title:** *Overview of soft computing methods to creditworthiness scoring*

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*Saturday*

**10 June 2017**

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*Session 4*

Chair: *V. Novák*

Hall 1

- 9:00 – 9:20** **Speaker:** Považan, Jaroslav  
**Title:** *Kurzweil-Henstock integral for IF-function*
- 9:20 – 9:40** **Speaker:** Pařenica, Jan  
**Title:** *Fuzzy Logic Analysis for sound recognition*
- 9:40 – 10:00** **Speaker:** Siwec, Agnieszka  
**Title:** *Distance and dissimilarity functions for fuzzy sets*
- 10:00 – 10:20** **Speaker:** Štiberová, Dušana  
**Title:** *Fuzzification of probability and mathematical structures*
- 10:20 – 10:40** **Speaker:** Rotterová, Pavla  
**Title:** *Fuzzy Decision Matrices with Underlying Fuzzy Probability Measure*

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*Session 5*

Chair: *I. Perfilieva*

Hall 1

- 11:10 – 11:30** **Speaker:** Kollert, Ondrej  
**Title:** *New Results In Counting Process Theory*
- 11:30 – 11:50** **Speaker:** Šotolová, Jaroslava  
**Title:** *Equivalence of positive topological sequence entropy and Li-Yorke chaos of non-autonomous dynamical systems*
- 11:50 – 12:10** **Speaker:** Víta, Martin  
**Title:** *Stabilizers and  $t$ -filters on Residuated Lattices*
- 12:10 – 12:30** **Speaker:** Suchánek, Radek  
**Title:** *Description of Tomonoid Partition in the Language of Category Theory*

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*Sunday*

**11 June 2017**

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*Session 6*

Chair: *J. Kupka*

Hall 1

- 9:00 – 9:20** **Speaker:** Vitova Duskova, Marie  
**Title:** *Fuzzy Clustering of Categorical Data – Case Study of Segmentation of Classical Music Audience*
- 9:20 – 9:40** **Speaker:** Rusnok, Pavel  
**Title:** *Global Measures for Fuzzy Association Rules*
- 9:40 – 10:00** **Speaker:** Hůla, Jan  
**Title:** *Towards visual training set generation framework*
- 10:00 – 10:20** **Speaker:** Guada, Carely  
**Title:** *A Hierarchical Graph-based Algorithm for Image Segmentation*
- 10:20 – 10:40** **Speaker:** Molek, Vojtěch  
**Title:** *Image contours detection with deep features*

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*Session 7*

Chair: *R. Mesiar*

Hall 1

- 11:10 – 11:30** **Speaker:** Kobza, Vladimír  
**Title:** *Aggregation of distance, dissimilarity and divergence measures*
- 11:30 – 11:50** **Speaker:** Miś, Katarzyna  
**Title:** *Special and inversely special properties for different families of fuzzy implications*
- 11:50 – 12:10** **Speaker:** Sesma-Sara, Mikel  
**Title:** *Strengthened ordered directionally monotone functions*
- 12:10 – 12:30** **Speaker:** Cao, Nhung  
**Title:** *Chosen Properties of Fuzzy Relational Compositions Based on Fuzzy Quantifiers*