

*ISCAMI 2009 - Preliminary Programme*

		Hall 1	Hall 2	Lounge
<b>Wednesday May 13</b>	14:00 - 17:30			Registration
	18:00 - 20:00	Welcome Dinner		

		Hall 1	Hall 2	Lounge	
<b>Thursday May 14</b>	8:40 - 9:00	Opening Ceremony			
	9:00 - 9:50	<b>Invited Talk</b> V. Kreinovich			
	9:50 - 10:20			Coffee Break	
	10:20 - 12:00	<b>Fuzzy Data Processing</b> 5 Talks	<b>Aggregation Operators</b> 5 Talks		
	Lunch				
	14:00 - 15:20	<b>Algebraic Structures</b> 4 Talks	<b>Applications in Economy</b> 4 Talks		
	15:20 - 15:50			Coffee Break	
15:50 - 17:10	<b>Fuzzy Logics and Their Applications</b> 4 Talks	<b>Discrete Mathematics, Graph Theory and Geometry</b> 5 Talks (15:50 - 17:30)			
19:00 - 22:00	Social Dinner				

		Hall 1	Hall 2	Lounge
<b>Friday May 15</b>	9:00 - 10:40	<b>Fuzzy Approach to Decision Making</b> 5 Talks	<b>Probability</b> 5 Talks	
	10:40 - 11:00			Coffee Break
	11:00 - 12:00	<b>Fuzzy Implications</b> 3 Talks	<b>Mathematical Analysis and Robust Optimization</b> 3 Talks	
	12:10 - 12:20	Closing Ceremony		
Lunch				

<b>Fuzzy Data Processing</b>					
Stachová, M.	Medved', M.	Grendár, M.	Boháč, A.		The Decision Tree and The Random Forest analyses of protein-inhibitor interaction
Hoďáková, P.					On the F-transform of a Higher Degree
Vavříčková, L.					Analysis and Forecast of Time Series Using Fuzzy Rules and Fuzzy Transform
Tomanová, I.					Linguistic Associations Mining
Boháčik, J.					Discovering Fuzzy Rules in Databases
<b>Aggregation Operators</b>					
Juráňová, M.					On a new construction method for copulas
Jágr, V.					Copulas and conditioning
Bebčáková, I.	Talašová, J.	Pavlačka O.			Fuzzification of the Choquet Integral
Petrík, M.	Sarkoci, P.				Differential properties of strict triangular norms along zero
Šustek, J.					Iterated Power Means
<b>Algebraic Structures</b>					
Lašová, L.					The individual ergodic theorem on MV-algebras
Víta, M.					Filters in algebras of implicative logics and their applications
Wrublová, M.					
Šlesinger, R.					Decomposition and Projectivity of Quantale Modules
<b>Applications in Economy</b>					
García-Pietro, C.	Gomez-Costilla, P.	López-Díaz, J.			Living conditions and economic growth: An overlapping generations model based on Dynamic Optimization techniques
Bokes, T.					Analytical valuation of the American-style of Asian option
Sutóris, I.					Estimation of parameters in multi-factor Cox-Ingersoll-Ross model of interest rates
Lafférs, L.					Finite Sample Properties of Empirical Likelihood for Estimation of Interest Rate Diffusion Model
<b>Fuzzy Logics and Their Applications</b>					
Běhounek, L.					Similarity-based limits in Fuzzy Class Theory
Dyba, M.					Non-commutative EQ-fuzzy logics and their extensions
Rusnok, P.					Application of Fuzzy Probability Logics to Cadiag-2
Pučok, L.					Fuzzy Control of Magnetic Levitation

### Discrete Mathematics, Graph Theory and Geometry

Chvalovský, K.					Derivational complexity of $\{aa \rightarrow bc, bb \rightarrow ac, cc \rightarrow ab\}$
Rjaško M.					On Existance of Robust Combiners for Cryptographic Hash Functions
Ždímalová, M.					A Note on the Comellas and Fiol Construction
Marián Olejár					
Radaković, D.	Herceg, D.				Using WPF for developing interactive geometry software

### Fuzzy Approach to Decision Making

Holeček, P.	Talašová, J.				Multiple-Criteria Fuzzy Evaluation: The FuzzME Software Package
Fürst, K.					Applying Fuzzy Models in Rating Systems
Stoklasa, J.					A fuzzy model of medical disaster response
Bebčáková, I.	Talašová, J.	Škobrtal, P.			Fuzzy Interpretation of the MMPI-2 test
de Andrés, R.	García-Lapresta, J.L.	Jiménez, M.			A personnel selection process based on linguistic assessments through Goal Programming techniques

### Probability

Vopatová, K.					Comparison of several smoothing methods in bivariate kernel density estimation
Orava, J.					Comparison of Bandwidth Selection Methods in Kernel Density Estimation
Bína, V.					On a Greedy Search of the Lowest Entropy Compositional Model
Kratochvíl, V.					Independence equivalence in Compositional models
Pokora, O.	Lánský, P.				Optimal odor intensity in simple olfactory neuronal models

### Fuzzy Implications

Sanz, J.	Bustince, H.	Barrenechea, M.	Pagola, M.	Fernandez, J.	A new construction method for strong fuzzy subsethood measures
Galar, M.	Bustince, H.	Barrenechea, M.	Pagola, M.	Fernandez, J.	A property of implication operators to construct special fuzzy subsethood measures
Bíba, V.					Generated fuzzy implicators and known classes of implicators

### Mathematical Analysis and Robust Optimization

Poláková, R.					
Malíková, R.					On a Generalization of Helmholtz Conditions
Kühnová, J.					Analysis of the Predator--Prey Model with Climax Prey Population