Section 7: Theoretical Computer Science, Operations Research and Mathematical Programming

Monday, July 2nd, 2007

09:00–10:45 Chairman: **Ioan M. Stancu-Minasian**

09:00–09:45	**Irinel Drăgan**	On the coalitional rationality of semivalues of cooperative transferable utility n-person games
10:00–10:45	**Radu Ioan Boţ**	Closedness type regularity conditions in convex optimization

C o f f e e

11:15–12:45 Chairman: **Irinel Drăgan**

11:15–11:45	**Sebastian Cioaba**	Finding your perfect matching with eigenvalues
11:45–12:15	**Liliana Cucu**	Real-time muliprocessor scheduling: feasibility issues
12:15–12:45	**Cristinca Fulga**	Penality-based decentralized methods for multiobjective optimization

L u n c h

15:30–17:45 Chairman: **Radu Ioan Boţ**

15:30–16:15	**Alexandra Tkacenko**	Time-constraining multiobjective fractional transportation problem

C o f f e e

16:45–17:15	**Ioan M. Stancu-Minasian**	Duality for multiobjective nonlinear fractional programming problems involving generalized d-type-I n-set functions
17:15–17:45	**Valeriu Ungureanu**	Equilibrium principles for Pareto-Nash-Stackelberg games

17:45–18:15	**Gheorghe Dogaru**	Fuzzy integer transportation problem
18:15–18:45	**Ştefan Mititelu**	Topics in invexity theory
18:45–19:15	**Vlad Şerban**	The non-anticipation of the asynchronous systems

Tuesday, July 3rd, 2007

Special Session : Mathematical Truth and Provability in the 21st Century

09:00–10:45 Chairman: **Solomon Marcus**

09:00–10:00	**Douglas Bridges**	Constructive reverse mathematics
10:15–10:45	**Dragoş Vaida**	Proof, explanation and example in the mathematical discourse of some Romanian mathematicians: Dan Barbilian and Grigore C. Moisil

C o f f e e

11:15–12:45 Chairman: **Douglas Bridges**

11:15–11:45	**Ilie Pârvu**	Mathematical proof and the argumentative structure of science
11:45–12:15	**Cristian Calude**	The halting problem and experimental mathematics
12:15–12:45	**Doru Ştefănescu**	Mathematical proofs and algorithms

L u n c h

15:30–17:45 Chairman: **Cristian Calude**

15:30–16:15	**Solomon Marcus**	Proving and programming

C o f f e e

16:45–17:15	**Virgil Căzănescu**	Foundation of the rewriting in an algebra
17:15–17:45	**Gheorghe Ştefănescu**	Tiling and Iteraction

17:45–19:15 Chairman: **Dragoş Vaida**

17:45–18:15	**Gabriel Istrate**	Phase transitions in combinatorial optimization problems and computational complexity: towards rigorous connections
18:15–18:45	**Cristian Kevorchian**	A pragmatic overview of automated reasoning
18:45–19:15	**Gabriel Ciobanu**	Proof and deduction in dynamic interaction-based systems

Wednesday, July 4$^{\text{th}}$, 2007

09:15–10:45 Chairman: **Virgil Căzănescu**

09:15–09:45	**Marius Buliga**	Self-similar dilatation structures and automata
09:45–10:15	**Marian Baroni**	Towards a good constructive definition of order completeness
10:15–10:45	**Mihaela Baroni**	Modelling reticulate evolution

C o f f e e

11:15–12:45 Chairman: **Ioan Tomescu**

11:15–11:45	**Violeta Manevska**	Relationship between vector valued semigroup automata and random processes
11:45–12:15	**Eugen Mândrescu**	On local maximum stable sets of the corona of a path with complete graphs
12:15–12:45	**Laurenţiu Modan**	Some remarks about random graphs

L u n c h

15:30–18:45 Chairman: **Ştefan Mititelu**

15:30–16:00	**Emil Moldoveanu**	Semisupervised learning using Dirichlet spaces techniques

C o f f e e

16:45–17:15	**Olesia Groza**	Performance characteristics of the queueing models in network technologies

17:15–17:45	**Andrei Rusu**	On functionally completeness problems in provability intuitionstic logic
17:45–18:15	**Maria Miroiu**	Considerations on a boosting algorithm
18:15–18:45	**Alin Marian Rusu**	Approximations for reconstruction problems
18:45–19:15	**Virginia Atanasiu**	More general credibility models