

SYMPOSIUM PROGRAM
Fifth Panhellenic Logic Symposium (PLS5)
Athens, July 25-28, 2005

Monday, July 25

- 08:00-08:50 *Registration*
- 08:50-09:00 *Opening*
- 09:00-09:50 INVITED TALK: D. Skordev (U. of Sofia), Randomized First Order Computability.
- 10:00-10:50 INVITED TALK: E. Kranakis (Carleton University), Dynamics of Network Worms.
- 11:00-11:30 *Coffee Break*
- 11:30-12:20 INVITED TALK: Z. Petric (Serbian Academy of Sciences), Direct Strictification of Categories.
- 12:30-13:20 INVITED TALK: K. Apt (National U. of Singapore and CWI), On the Order of Strategy Elimination Procedures in Strategic Games.
- 13:30-16:30 *Lunch Break*
- 16:30-16:55 E. Antonakos (CUNY), Comparing Justified and Common Knowledge.
- 16:55-17:20 D. Dobrev (Bulgarian Academy of Sciences), AI in Arbitrary World.
- 17:20-17:45 E. Foustoucos and L. Kalantzi (U. of Athens), MSO Querying Over Trees via Datalog Evaluation.
- 17:45-18:10 A. Pagourtzis and S. Zachos (NTU of Athens), Self-reducibility of Hard Counting Problems with Decision Version in P .
- 18:10-18:30 *Coffee Break*
- 18:30-18:55 N. Papaspyrou, M. Papakyriakou and A. Manousaridis (NTU of Athens), Encoding Hoare Logic in Typed Certified Code.
- 18:55-19:20 P. Rondogiannis and W. Wadge (U. of Athens and U. of Victoria), Infinite Games and Well-Founded Negation.
- 19:20-19:45 N. Rigas (NTU of Athens), Three Proofs of the Church-Rosser Theorem in the Light of Labeled Reduction.
- 19:45-20:10 S. Nikolova and I. Pschelarov (Sofia U.), Points of \forall -Definedness of Non-Deterministic Programs over an Arbitrary Data Type.
- 20:10-20:35 D. Bastiras (U. of Adelaide), Ancient Greek Responses to the Liar Paradox.

Tuesday, July 26

- 09:00-10:30 TUTORIAL: I. Pratt-Hartmann (U. of Manchester), Fragments of Language, Fragments of Logic.
- 10:40-11:30 INVITED TALK: A. Kechris (California Institute of Technology), One Hundred Years of Descriptive Set Theory.
- 11:40-12:00 *Coffee Break*

- 12:00-13:30 TUTORIAL: O. Belegadek (Istanbul Bilgi University), Expressive Power of First Order Logic for Embedded Finite Models.
- 13:40-16:30 *Lunch Break*
- 16:30-16:55 M. Borisavljevic (U. of Belgrade), Maximum Segments and Cuts.
- 16:55-17:20 H. Ganchev (Sofia U.), A Total Degree Splitting Theorem and a Jump Inversion, Splitting Theorem.
- 17:20-17:45 M. Kurilic (U. of Novi Sad), Is Each Boolean Algebra, \mathbf{B} , $\mathfrak{h}_2(\mathbf{B})$ -Unsupported?
- 17:45-18:10 N. Sofronidis (Thessaloniki), The Law of Large Numbers is a Π_3^0 -Complete Property.
- 18:10-18:30 *Coffee Break*
- 18:30-18:55 B. Loewe and B. Semmes (U. of Amsterdam), The Extent of Constructive Games.
- 18:55-19:20 J. R. Moschovakis (Occidental College), A Note on Π_1^0 -LEM, Σ_1^0 -LEM and $\text{MP}(\Sigma_1^0\text{-DNE})$.
- 19:20-19:45 Z. Ognjanovic, N. Ikodinovic and Z. Markovic (Belgrade): A Logic with Kolmogorov Style Conditional Probabilities.
- 19:45-20:10 Th. Pheidas and X. Vidaux (U. of Crete and U. of Concepcion), The Analogue of Buchi's Problem for some Rings of Functions.
- 20:10-20:35 A. Soskova (Sofia U.), Properties of the Joint Spectra of Sequences of Structures.

Wednesday, July 27

- 09:00-10:30 TUTORIAL: I. Pratt-Hartmann (U. of Manchester), Fragments of Language, Fragments of Logic.
- 10:40-11:30 INVITED TALK: P. Aczel (U. of Manchester), A Constructive Version of the Lusin Separation Theorem.
- 11:40-12:00 *Coffee Break*
- 12:00-13:30 TUTORIAL: O. Belegadek (Istanbul Bilgi University), Expressive Power of First Order Logic for Embedded Finite Models.
- 13:40-16:30 *Lunch Break*
- 16:30-16:55 P. Balbiani and T. Tinchev (U. Paul Sabatier and Sofia U.), Decidability and Complexity of Modal Definability and First-Order Definability within the Class of all Partitions.
- 16:55-17:20 E. Pacuit (CUNY), A Note on some Explicit Modal Logics.
- 17:20-17:45 E. Tzanis (UCL), Hybrid Logic with Operations on Nominals.
- 17:45-18:10 D. Vakarelov (Sofia U.), Modal Definability, Solving Equations in Modal Algebras and Generalizations of the Ackermann Lemma.
- 18:10-18:30 *Coffee Break*
- 18:30-18:55 Ch. Cornaros (U. of Aegean), Versions of Friedman's Theorem for Models of Fragments of PA.
- 18:55-19:20 C. Dimitracopoulos and A. Sirokofskich (U. of Athens), On a Problem of L. D. Beklemishev.

- 19:20-19:45 K. Hatzikiriakou (U. of Thessaly), Extensions of Commutative Rings in Subsystems of Second-Order Arithmetic.
- 19:45-20:10 Chr. Chasiotis (U. of Ioannina), Logic and Teacher Training.
- 20:10-20:35 *Syskepsis*

Thursday, July 28

- 09:00-09:50 INVITED TALK: L. S. Moss (Indiana U.), Circularity and Recursion.
- 10:00-10:50 INVITED TALK: Ph. Kolaitis (IBM Almaden), Inductive Definability and Finite-Variable Logics: From Logic to Computer Science.
- 11:00-11:30 *Coffee Break*
- 11:30-12:20 INVITED TALK: L. M. Kirousis (U. of Patras and CTI), Phase Transitions in Satisfiability and Coloring.
- 12:30-13:20 INVITED TALK: M. Fitting (CUNY), A Quantified Logic of Explicit Evidence.