



Programme

Workshop on Logic, Language, Information and Computation
July 19th to 22nd, 2005 - Jurerê Beach Village - Florianópolis, Santa Catarina, Brazil

Tuesday, July 19th, 2005 Tutorial Day	08:15-10:15	Chair: Grigori Mints <i>Curry-Howard correspondence in classical set theory</i> by Jean-Louis Krivine (Equipe Preuves, Programmes et Systèmes, Université Paris 7, France)
	10:15-10:30	Coffee/tea break
	10:30-12:00	Chair: Joel Spencer <i>How to analyze expressiveness of logics over finite models</i> by Leonid Libkin (Department of Computer Science, University of Toronto, Canada)
	12:30-14:00	Lunch break
	14:00-16:00	Chair: Jean-Louis Krivine <i>A simple substitution method for ID1</i> by Grigori Mints (Depts of Philosophy, Mathematics and Computer Science, Stanford University, USA)
Wednesday, July 20th, 2005 Morning: <i>Logic, Randomness, and Model Theory</i> Afternoon: <i>Proof Theory</i>	08:30-10:30	Chair: Leonid Libkin (Tutorial) <i>The Strange Logic of Random Graphs</i> by Joel Spencer (Courant Institute, New York Univ, USA)
	10:30-10:50	Coffee/tea break
	10:50-12:50	Chair: Melvin Fitting <i>Infinitesimals in Model Theory</i> by Thomas Scanlon (Mathematics Department, University of California at Berkeley, USA)
	12:50-14:30	Lunch break
	14:30-15:45	Chair: Jean-Louis Krivine (Invited talk) <i>Intuitionistic Frege Systems are Polynomially Equivalent</i> by Grigori Mints (Depts of Philosophy, Mathematics and Computer Science, Stanford University, USA)
	15:45-16:00	Coffee/tea break
	16:00-17:10	Chair: Guilherme Bittencourt (2 contributed papers - 35 min each) 16:00-16:35 <i>Natural Deduction for Full S5 Modal Logic with Weak Normalization</i> by Ana Teresa Martins and Lília Ramalho Martins 16:35-17:10 <i>System BV is NP-complete</i> by Ozan ahramanogullari
	17:10-17:25	Coffee/tea break
	17:25-18:35	Chair: Marcelo Finger (2 contributed papers - 35 min each) 17:25-18:00 <i>Analytical Tableaux for da Costa's Paraconsistent Logics Cn</i> by Itala Maria Loffredo D'Ottaviano and Milton Augustinis de Castro 18:00-18:35 <i>Tableau Systems for Some Paraconsistent Modal Logics</i> by Casey McGinnis
	20:00	<i>Welcome Cocktail</i>

<p>Thursday, July 21st 2005</p> <p>Morning: <i>Logic and Knowledge Representation</i></p> <p>Afternoon: <i>Logic, Finite Models and Descriptive Complexity</i></p>	08:30-10:30	Chair: Thomas Scanlon (Tutorial) <i>Logics with Explicit Evidence</i> by Melvin Fitting (Dept of Maths and Computer Science, Lehman College, City Univ of New York, USA)
	10:00-10:15	Coffee/tea break
	10:15-11:25	Chair: Itala Maria Loffredo D'Ottaviano (2 contributed papers - 35min each) 10:15-10:50 <i>Approximations of Modal Logics</i> by Marcelo Finger and Guilherme Rabello 10:50-11:25 <i>Propositional Logic as a Propositional Fuzzy Logic</i> by Benjamin René Callejas Bedregal and Anderson Paiva Cruz
	11:25-13:30	Lunch break
	13:30-14:45	Chair: Leonid Libkin (Invited talk) <i>The Complexity of Random Ordered Structures</i> by Joel Spencer (Courant Institute, New York Univ, USA) (joint work with Katherine St. John)
	14:45-15:00	Coffee/tea break
	15:00-16:45	Chair: Ana Teresa Martins (3 contributed papers - 35min each) 15:00-15:35 <i>Choiceless Polynomial Time, Counting and the Cai-Furer-Immerman Graphs</i> by Anuj Dawar, David Richerby and Benjamin Rossman 15:35-16:10 <i>Probabilistic verification and approximation</i> by Richard Lassaigne and Sylvain Peyronnet 16:10-16:45 <i>An Equivalence between Dependencies in Nested Databases and a Fragment of Propositional Logic</i> by Sven Hartmann and Sebastian Link
	16:45-17:00	Coffee/tea break
	17:00-18:15	Chair: Joel Spencer (Invited talk) <i>Locality of queries and transformations</i> by Leonid Libkin (Department of Computer Science, University of Toronto, Canada)
20:00	<i>Conference Dinner</i>	
<p>Friday, July 22nd 2005</p> <p>Morning: <i>Logic and Computation</i></p> <p>Afternoon: <i>Logic, Model Theory and Definability</i></p>	09:00-10:15	Chair: Grigori Mints (Invited talk) <i>A program for the axiom of dependent choice</i> by Jean-Louis Krivine (Equipe Preuves, Programmes et Systèmes, Université Paris 7, France)
	10:15-10:30	Coffee/tea break
	10:30-11:40	Chair: Ruy de Queiroz (2 contributed papers - 30 min each) 10:30-11:05 <i>Development Separation in Lambda-Calculus</i> by Hongwei Xi 11:05-11:40 <i>Lowness properties and approximations of the jump</i> by Santiago Figueira, André Nies and Frank Stephan
	11:40-13:30	Lunch break
	13:30-14:45	Chair: Thomas Scanlon (Invited talk) <i>A Quantified Logic of Evidence</i> by Melvin Fitting (Dept of Maths and Computer Science, Lehman College, City Univ of New York, USA)
	14:45-15:00	Coffee/tea break
	15:00-16:15	Chair: Melvin Fitting (Invited talk) <i>Groups in Nonstandard Complex Manifolds</i> by Thomas Scanlon (Mathematics Department, University of California at Berkeley, USA)
16:30	Closing	