

**Institute of Mathematics "Simion Stoilow" of the Romanian Academy  
and  
Group of Logic and Universal Algebra**

**Conference on  
*Logic, Algebra and Fundamentals of Computer Science***

**May 16, 2008**

21, Calea Grivitei Street, Bucharest

**Miron Nicolescu Lecture Room**

**Chairman** Sergiu Rudeanu

**9.00 – 9.40** **Şerban Basarab** (Institute of Mathematics "Simion Stoilow" )

"From elimination of quantifiers to arboreal structures in groups and fields"

**9.50 – 10.30** **Luca Spada** (University of Salerno)

"Fixed points in many-valued logic"

**Chairman** Şerban Basarab

**11.00 – 11.20** **Dragoş Vaida** (University of Bucharest)

"Programs as partial functions and order properties"

**11.30 – 11.50** **Dana Piciu** (University of Craiova)

"Localizations of MTL algebras"

**12.00 – 12.20** **Dumitru Buşneag** (University of Craiova)

"Hilbert algebras with supremum"

**12.30 – 12.50** **Afrodita Iorgulescu** (Academy of Economic Studies, Bucharest)

"Partially-ordered implicative-groups"

**Lunch**

**Chairman** Dragoş Vaida

**15.00 – 15.40** **Sergiu Rudeanu** (University of Bucharest)

"Axioms in lattice theory"

**15.50 - 16.30** **Răzvan Diaconescu** (Institute of Mathematics "Simion Stoilow" )

"What is a formal proof?"

**Chairman** Răzvan Diaconescu (Institute of Mathematics "Simion Stoilow")

**17.00 – 17.20** **Denisa Diaconescu** (Şcoala Normală Superioară Bucureşti, University of Bucharest)

"Institution of fuzzy logic"

**17.30 – 17.50** **Claudia Mureşan** (University of Bucharest)

"Residuated lattice reticulation"

**18.00 – 18.20** **Mircea Sularia** (Politehnica University, Bucharest)

"On some generalization of symmetric Boolean algebras"

**18.30 - 18.50** **Carmen Stama** (University of Bucharest)

"The representation of tense  $\Theta$ -valued Lukasiewicz-Moisil algebras"

**Chairman** Paul Flondor ("Politehnica" University, Bucharest)

**19.00 – 19.20** **Cătălin Ioniţă** (Politehnic University, Bucharest)

"Remarks on axiomatisations of Boolean algebras and Huntington's problem"

**19.30 – 19.50** **Rodica Ceterchi** (University of Bucharest)

"On some parallel sorting devices"

**20.00 – 20,20** **Florin Manea** (University of Bucharest)

"Algorithmic properties of partial words"