

ARMENIAN MATHEMATICAL UNION
YEREVAN STATE UNIVERSITY
INSTITUTE OF INFORMATICS AND AUTOMATION PROBLEMS OF THE NATIONAL
ACADEMY OF SCIENCES OF THE REPUBLIC OF ARMENIA
INTERNATIONAL CONFERENCE
“MATHEMATICAL LOGICS AND APPLICATIONS”
Dedicated to the 80th Anniversary of IGOR ZASLAVSKY
YEREVAN, 1-3 November, 2012
PROGRAM

November 1, 2012

INSTITUTE OF INFORMATICS AND AUTOMATION PROBLEMS OF THE NATIONAL ACADEMY OF SCIENCES OF THE
REPUBLIC OF ARMENIA
1, P.Sevak str., Yerevan,
2-nd floor, 207 room

11:00 **Registration**

11:30 Opening by Yu. Shoukourian, Vice president of the National Academy of Sciences of
Armenia. Greetings

12:30-13:00 **Coffee break**

Chair: Yu.Movsisyan

13:00-13:30 S.I.Adian, On the method of finding of precise evaluations for the inferences of the
Tue Systems

13:30-14:00 A.D.Yashin, On new logic connections in super-intuition logics

14:00-14:30 A.Chubaryan, On the hierarchies of some propositional systems for classical and
non-classical logics

14:30-15:00 L.Beklaryan, The connection between conform mappings and dynamic systems

15:00-16:00 **Break**

Chair: V.Sahakyan

16:00-16:30 Yu.M.Movsisyan, V.A.Aslyan, Algebras with hyperidentities of the varieties of
lattices

16:30-17:00 E.Pogossian, On models of Meaning Processing

17:00-17:30 L.Aslyan, Advanced combinatorial optimization

17:30-17:50 M.Haroutunian, L.Ter-Vardanyan, Information-theoretic approach to biometric
identification problem

17:50-18:10 R.Kamalyan, A.Khachatryan, On a property of the n-dimensional cube

November 2, 2012

INSTITUTE OF INFORMATICS AND AUTOMATION PROBLEMS OF THE NATIONAL ACADEMY OF SCIENCES OF THE
REPUBLIC OF ARMENIA

1, P. Sevak str., Yerevan,

2-nd floor, 207 room

Chair: E. Pogossian

11:00-11:30 M. Kozak, Distributivity in Symmetric Constructive Full Lambek Calculus

11:30-11:50 S. Dalalyan, On stratification of set of mappings of groups

11:50-12:10 Yu. Movsisyan, D. Davidova, A Fixed Point Theorem for q -lattices

12:10-12:30 H. Sahakyan, L. Aslanyan, On hypergraph degree sequence characterization

12:30-13:00 **Coffee break**

Chair: L. Aslanyan

13:00-13:20 H. Madoyan, On a Neo-Logicistic Conception of Natural Numbers

13:20-13:50 I. D. Zaslavsky, On the formalization of Scientific Theories

13:50-14:10 H. Bolibekyan, On some systems of minimal propositional logic with loop detection mechanisms

14:10-15:00 **Break**

Cair: A. Yashin

15:00-15:20 A. Malkhasyan, On general solution of symmetric equations

15:20-15:40 Zh. Nikoghosyan, Remarks on Evolutionary Hamiltonian Graph Theory

15:40-16:00 S. Darbinyan, I. Karapetyan, On long cycles in Digraphs with the Meyniel-type conditions

16:00-16:20 S. Vardanyan, On minimal and maximal n -recognizing sets

16:20-16:40 G. A. Martirosyan, On Turing completeness

16:40-17:00 **Coffee break**

Chair: L. Beklaryan

17:00-17:20 F. Hormozi nejad, E. Haroutunian, Many hypotheses parallel distributed detection of the pair of families of probability distributions

17:20-17:40 N. Afshar, E. Haroutunian, M. Haroutunian, On random coding bound for E -capacity region of the broadcast channel with confidential messages

17:40-18:00 B. Kushner, Extensions of Markov's constructive continuum and uniform continuity of constructive functions

18:00-18:20 V. Kreinovich, Membership Functions or α -Cuts?

18:20-18:40 A. Ehsani, On medial - like functional equations

18:40-19:00 P. Zolfaghari, About hypergroups of order 3

November 3, 2012

YEREVAN STATE UNIVERSITY

Department of Mathematics and Mechanics

1, A.Manoogian str., Yerevan

2-nd floor, room 241

Chair: A.Chubaryan

11:00-11:20 M. Karachanyan, On representation of b -uniformly algebras

11:20-11:40 Kh. Khachatryan, M. Broyan, On some nonlinear system of algebraic equations

11:40-12:00 T. Harutyunyan, H. Azizyan, Paul matrix and transformation operators for Dirac system

12:00-12:20 V. Mirzoyan G. Nalbandyan, R. Chakhmakhchyan, On the structure of Ric-semisymmetric subvarieties

12:20-12:40 S. S. Davidov, J. Hatami, Algebras with fuzzy operations

12:40-13:00 **Coffee break**

Chair: T. Harutyunyan

13:00-13:20 Yu. Movsisyan, S.S. Davidov, M.G. Safaryan, Free A -bisemigroups

13:20-13:40 Yu. Grigoryan, Asymmetry and kernel of coding metric space

13:40-14:00 E. Egiazaryan, On asymptotic estimates of number of solution of Boolean equations

14:00- 14:20 A. Chubaryan, S. Sayadyan, Some new propositional proof systems

14:20-15:00 **Break**

Chair: V. Mirzoyan

15:00-15:20 A. Ohnikyan, On existence of composition

15:20-15:40 G. Petrosyan, Modeling FIFO Queues by Dynamic Petri Nets

15:40- 16:00 A. Margarov , Y. Alaverdyan, Partition and coloring in design of quasigroup equipped error – detecting codes

16:00-16:20 G.V.Aghekyan, K.P.Sahakyan, Dynamic geometry of some polynomials

16:20- 16:40 E. Philiposyan, On maximal independent set of rectangles

16:40-17:00 N. Mirzachanyan, On connection of homotopic groups