Philosophy, Mathematics, Linguistics: Aspects of Interaction 2014

International Interdisciplinary Conference held on April 21-25, 2014

All plenary, thematic sessions, and the panel discussion take place in the building of EIMI located at the address:
10, Pesochnaya naberezhnaya, St. Petersburg. For more details, see the page Venue on the conference website.

Conference Schedule

Monday, April 21 Tuesday, April 22 Wednesday, April 23 Thursday, April 24 Friday, April 25

Sections
1. Philosophical Insights into logic and mathematics
2. Mathematical and logical methods in philosophy and in sciences of language

Monday, April 21	
Room	Reception Hall
9:00 - 9:50	*Registration, Coffee*
Room	Hall 1
9:50 - 9:55	***Opening Ceremony***
10:00 - 10:55 *Plenary Lecture*	**Nikolai Vavilov** Complexity and reliability of proofs and computations
Break - 5 min.	
11:00 - 11:55 *Plenary Lecture*	**Anatoly M. Vershik** Does a freedom of the choice exist in mathematics?
Coffee Break - 20 min.	
12:15 - 13:10 *Plenary Lecture*	**Yuri I. Manin** Point, Atom, Letter
Lunch - 13:10 - 15:00	
15:00 - 15:55 *Plenary Lecture*	**Grigori Mints** Several Interesting Problems in Applied Logic
Coffee Break - 20 min.	
16:15 - 17:10 *Plenary Lecture*	**Anatol Slissenko** In Quest of Information in Algorithmic Processes
Break - 5 min.	
17:15 - 18:10 *Plenary Lecture*	**Elena Dragalina-Chernanya** Logical hylomorphism revisited
Break - 5 min.	
18:15 - 20:00	**Welcome**

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Tuesday, April 22	
Room	Hall 1

11:00 - 11:55 *Plenary Lecture*	**Klaus Mainzer** The Effectiveness of Complex Systems. A Mathematical, Computational, and Philosophical Approach
Coffee Break - 20 min.	
12:15 - 13:10 *Plenary Lecture*	**Dima Grigoriev** Analog computations: past and future?
Lunch Break - 13:10 - 14:30	
Room	Hall 1
14:30 - 16:00 *Panel Discussion*	**Understanding complexity in cross-disciplinary research** Discutants: **Dima Grigoriev, Yuri Gurevich, Edward A. Hirsch,** **Yuri I. Manin, Grigori Mints, Nikolai Vavilov** Discussion is led by: **Klaus Mainzer**
Coffee Break - 15 min.	
16:15 - 20:00	**Excursion to St. Petersburg**

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Wednesday, April 23		
Room		Hall 1
11:00 - 11:55 *Plenary Lecture*	**Yuri Gurevich** On Semantics-to-Syntax Analyses of Algorithms	
Coffee Break - 20 min.		
12:15 - 13:10 *Plenary Lecture*	**Vladik Kreinovich** and **Olga Kosheleva** Logic of Scientific Discovery: How Physical Induction Affects What Is Computable	
Lunch Break - 13:10 - 15:00		
Sections	Section 1	Section 2
Rooms	Hall 1	Hall 2
15:00 - 15:25	**Sergei Soloviev** Context-dependent invertibility, isomorphism and subtyping in type theory: possible linguistic applications	**Reinhard Kahle** The logical cone. A new account to counterfactuals
Coffee Break - 20 min.		
15:45 - 16:10	**Alexandr Spaskov** and **Olesya Kozina** Number and Time	**Sergei Soloviev** paper by **Gregory Chaitin** presented by **Serguei Soloviev** Conceptual Complexity and Algorithmic Information
Break - 5 min.		
16:15 - 16:40	**Edward F. Karavaev** One way to determine the intervals in hybrid temporal logic	**Alain Lecomte** An Interaction Framework for Dialogue
Free time - 16:40 - 19:30		
19:30 - 22:00	**Conference Dinner**	

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Thursday, April 24		
Room		Hall 1
11:00 - 11:55 *Plenary Lecture*	**Andrei Rodin** Objectivity, Objecthood and Genetic Axiomatic Methods in Categorical Mathematics	
Coffee Break - 20 min.		
12:15 - 13:10 *Plenary Lecture*	**Vladimir L. Vasyukov** Univalent Foundations of Mathematics and Logical Pluralism	
Lunch 13:10 - 15:00		
Sections	Section 1	Section 2
Rooms	Hall 1	Hall 2
15:00 - 15:25	**Leonid I. Manevich** Asymptotic thinking as a philosophical principle	**Henson Graves** A Practical Doctrine for Mathematical Applications
Coffee Break - 20 min.		
15:45 - 16:05	**Huria Benis Sinaceur** Facets and Levels of Mathematical Abstraction	**Edoardo Rivello** Eliminating the Ordinals from Proofs. An Analysis of Transfinite Recursion

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Friday, April 25		
Room		Hall 1
10:00 - 10:55 *Plenary Lecture*	**Oleg Prosorov** Linguistic universals of topological nature	
Coffee Break - 20 min.		
Sections	Section 1	Section 2
Rooms	Hall 1	Hall 2
11:15 - 11:40	**Vladislav A. Shaposhnikov** The Applicability Problem and a Naturalistic Perspective on Mathematics	**Shane Steinert-Threlkeld** On the Decidability of Iterated Languages
Break - 5 min.		
11:45 - 12:10	**Vasily Perminov** Praxeological Substantiation of Logic	**Jan Wislicki** Semantics of quotation. Against the functional approach to quotation
Coffee Break - 20 min.		
12:30 - 12:55	**Andrei Patkul** The Problem of the Logic's Destruction and Grounding in Phenomenology	**Daniel Tiskin** Transparent Evaluation and Pronouns in Attitude Reports
Break - 5 min.		
13:00 - 13:25	**Vladimir Stepanov** Truth Theory for Logic of Self-Reference Statements as a Quaternion Structure	**Sergey I. Nikolenko**, **Sergei Koltsov**, **Olessia Koltsova** Measuring Topic Quality in Latent Dirichlet Allocation
Break - 5 min.		
Room		Hall 1
13:30 - 13:35	***Closing***	
Lunch 13:35 - 15:00		

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Links to: **PDMI**, **EIMI**   Last Update: April 19, 2014