Conference on 'Philosophy, Mathematics, Linguistics: Aspects of Interaction' (PhML2009)

St. Petersburg Department of Steklov Mathematical Institute of Russian Academy of Sciences

Call for papers

Organized in collaboration with

- Faculty of Philosophy of St. Petersburg State University
- IHPST/Chaire d'Excellence "Ontological Structure and Semantics Structure"
- Arché-St Andrews
- CSMN "Centre for the Study of Mind in Nature"

Time: November 19-22, 2009
Pre-conference Workshop: November 17-18, 2009

The conference is meant to provide a forum for an interdisciplinary dialogue between mathematicians, logicians, philosophers, computer scientists and linguists.

Organizing Committee

Herman Cappelen (Arché, University of St.Andrews)
Edward Karavaev (St.Petersburg State University)
Elena Lisanyuk (St.Petersburg State University)
Anatoly Migounov (St.Petersburg State University)
Friederike Moltmann (IHPST, Paris), co-chair
Vladimir Orevkov (PDMI, St.Petersburg)
Oleg Prosorov (PDMI, St.Petersburg), co-chair
Anatol Slissenko (University Paris 12)
Sergei Soloviev (IRIT, Toulouse)
Nikolai Vasiliev (PDMI, St.Petersburg)
Maxim Vsemirnov (PDMI, St.Petersburg)
Chiara Tabet (CSMN, IFIKK University of Oslo)

We invite submissions of two-page abstracts relating to the interface between philosophy, mathematics and linguistics, for a 20 minute presentation.

Submissions from any tradition and from a wide variety of perspectives are welcome, including but in no way limited to the following topics:

   *   Logic and foundations of mathematics

* Ontology of mathematics and the nature of mathematical truth
* The problem of abstract entities in mathematics, philosophy and linguistics
* The mathematical concept of a function: from the notions of mapping and transformation towards the notion of an algorithm
* Complexity of finite objects: limited possibilities of man and computer
* Philosophical and mathematical aspects of informatics
* Philosophical aspects of the use of natural language in mathematics
* Mathematical investigation of natural language structures
* Mathematical models for compositionality in the study of language, mind and brain
* Formal models of verbal communication

Interdisciplinary submissions particularly welcome.
Presentations can be given in Russian or in English.

Important Dates

* 1st October, 2009: Extended abstracts submission deadline
* 15 October, 2009: Notification of acceptance
* 1st November, 2009: Camera-ready copy due for the proceedings
* 17-22 November, 2009: Conference and associated Workshop

Keynote Speakers

Grigori Mints (Stanford University)
Friederike Moltmann (IHPST, Paris)
Graham Priest (CUNY Graduate Center/Arché)
Anatol Slissenko (University Paris 12)
Stephen Yablo (MIT)
Elia Zardini (Arché, University of St.Andrews)

Pre-conference Workshop

Friederike Moltmann (IHPST, Paris)
Graham Priest (CUNY Graduate Center/Arché)

Contact

Web site: http://www.pdmi.ras.ru/EIMI/2009/ph/index.htm
Please direct all inquiries to the Organizing Committee by e-mail:
PhML_2009ATpdmi.ras.ru.