

**HPM 2008**  
**History and Pedagogy of Mathematics**  
**The HPM Satellite Meeting of ICME 11**

**14-18 July 2008, Mexico City**

**FIRST ANNOUNCEMENT**

**1. Aim and focus**

The HPM 2008 is the seventh quadrennial meeting of the International Study Group on the Relations between the History and Pedagogy of Mathematics (the HPM Group), affiliated to ICMI. It is a satellite meeting of the corresponding ICME (International Congress on Mathematical Education) and is scheduled close to ICME. These quadrennial meetings are a major activity of HPM, to bring together those who are interested in the relation between the history of mathematics and mathematics education such as:

- Researchers in mathematics education, and its relation to the history of mathematics;
- Mathematics teachers at all levels who are eager to get insights on how the history of mathematics may be integrated into teaching and help students to learn mathematics;
- Historians of mathematics, who wish to talk about their research;
- Mathematicians, who want to learn about new possibilities to teach their discipline;
- All those with an interest in the history of mathematics and pedagogy.

**2. Main themes**

The HPM 2008 is a place where mathematicians, educators, historians, researchers and students, can make presentations and participate in discussions. The programme and activities are structured around the following main themes:

1. Integrating the History of Mathematics in Mathematics Education.
2. Topics in the History of Mathematics Education.
3. Mathematics and its relation to science, technology and the arts: historical issues and educational implications.
4. Cultures and Mathematics.
5. Historical, philosophical and epistemological issues in Mathematics Education.
6. Mathematics from the Americas.

**3. Activities during *HPM2008***

During HPM 2008 there will be

- one-hour plenary lectures on each of the five main themes
- two one-hour panel discussions.
- parallel sessions of 25-minute oral presentations, followed by 5-minute discussions.
- poster exhibitions with discussion sessions
- exhibitions of books and other didactical material

A **limited** number of 1-hour workshops may be included in the program upon special request to be further considered by the Organizers. In such cases, participants are actively participating in studying a specific subject and having a follow-up discussion. The role of the workshop organizer is to prepare, present and distribute the historical, or didactical material, which motivates and orients the exchange of ideas and the discussion among the participants. Participants read and work on the basis of this material (e.g. original historical texts, didactical material, students' worksheets etc).

#### **4. Time and place**

HPM 2008 will be held from **Monday 14 July to Friday 18 July 2008** in **Mexico City**

Sessions will be held on Monday, Tuesday, Thursday and Friday with a mathematical tour on Wednesday.

#### **5. Official Languages**

The official languages are English and Spanish.

More specifically:

- All plenary talks and panel discussions will be in English with simultaneous translation if possible.
- Oral presentations will be in either English or Spanish with one set of transparencies in Spanish and one set in English utilizing either two projectors and screens or two power point computers.

#### **6. Submission of proposals**

##### **ABSTRACTS**

**30 November 2007: deadline** for submitting **Abstracts** of proposals for all types of activities.

**31 December 2007:** Notification of acceptance or not of the submitted proposals.

*Important:* Please, use this [Application Form](#) and send it in electronic form to

**Constantinos TZANAKIS**, Chair of HPM 2008

e-mail: tzanakis@edc.uoc.gr

Postal address: Department of Education, University of Crete, Rethymnon 74100, Crete, Greece

The members of the Scientific Program Committee (SPC) will review the submitted abstracts. At this stage, acceptance of a proposal means that the proposed activity will be included in the HPM 2008 Scientific Programme. However, this does not imply that a full text based on this activity will automatically be included in the HPM 2008 Proceedings, which are going to be available on the spot. Full texts will be further reviewed by members of the SPC at the usual international standards. For more details, see [Proceedings](#).

##### **FULL TEXTS**

**15 February 2008: deadline** for submitting **full texts** of proposals for all types of activities.

**31 March 2008:** Notification of acceptance or not of the submitted proposals.

#### **7. The (international) Scientific Program Committee (SPC)**

##### ***Main Organizers***

- Ricardo Cantoral, Departamento de Matemática Educativa, Centro de Investigación y de Estudios Avanzados del IPN, MEXICO.
- Florence Fasanelli, American Association for the Advancement of Science, USA.
- Alejandro Garciadiego, Departamento de Matemáticas, Facultad de Ciencias, UNAM. MEXICO
- Robert Stein, California State University, San Bernardino, USA.
- Constantinos Tzanakis, Chair of the HPM Study Group, Department of Education University of Crete, GREECE.

##### ***Members***

- Abraham Arcavi, Weizmann Institute of Science, Israel
- Evelyne Barbin, IREM-Centre François Viète, Université de Nantes, France

- Carlos Correia de Sà, Departamento de Matemática Pura da Faculdade de Ciências da Universidade do Porto, Portugal
- Ubiratan d' Ambrosio, Pontificia Universidade, Catolica de São Paulo, Brazil
- Abdellah El Idrissi, Ecole Normal Supérieure, Morocco
- Gail FitzSimons, Monash University, Australia
- Michael Fried, Program for Science and Technology Education, Ben Gurion University of the Negev, Israel
- Fulvia Furinghetti, Department of Mathematics, Università di Genova, Italy
- Wann-Sheng Horng, National Taiwan Normal University, Taiwan
- Masami Isoda, Graduate School of Comprehensive Human Science, University of Tsukuba, Japan
- Niels Jahnke, Fachbereich Mathematik, Universität Duisburg-Essen, Germany
- Sten Kaijser, Department of Mathematics, University of Uppsala, Sweden
- Victor Katz, Department of Mathematics, University of the District of Columbia, USA
- Manfred Kronfellner, Institut für Algebra & Computermathematik, Technische Universität Wien, Austria
- Ewa Lakoma, Institute of Mathematics, Military University of Technology, Warsaw, Poland
- Joao Bosco Pitombeira de Carvalho, PUC do Rio de Janeiro, Brazil
- Luis Radford, Ecole des Sciences de l' Education, Laurentian University, Canada
- Leo Rogers, Roehampton University, Digby Stuart College, Roehampton University, UK
- Gert Schubring, Institut für Didaktik der Mathematik, Universität Bielefeld, Germany,
- Man-Keung Siu, Department of Mathematics, University of Hong Kong, China
- Bjørn Smestad, Faculty of Education, Oslo University College, Norway
- Jan van Maanen, Freudenthal Institute, University of Utrecht, The Netherlands
- Chris Weeks, Downeycroft, Virginstow Beaworthy, UK
- Greicy Winicki Landman, Department of Mathematics and Statistics, California State Polytechnic University, USA

#### **The Local Organizing Committee (LOC)**

- Ricardo Cantoral, co-chair, Departamento de Matemática Educativa, Centro de Investigación y de Estudios Avanzados del IPN, MEXICO
- Alejandro Garciadiego, co-chair, Departamento de Matemáticas, Facultad de Ciencias. Universidad Nacional Autónoma de México, MEXICO
- Rosa Marva Farfán, Dirección de Educación, Ciencia y Tecnología del Instituto de Ciencia y Tecnología del DF, MEXICO.
- Gisela Montiel, Centro de Investigación en Ciencia Aplicada y Tecnología Avanzada del IPN.
- Gabriela Buendía, Cimate de la Universidad Autónoma de Chiapas, MEXICO.
- Rodrigo Cambray Nuñez, Universidad Pedagógica Nacional, MEXICO.
- Edmundo Palacios, Universidad Iberoamericana, MEXICO

#### **8. The web site**

Making known the HPM 2008 in various countries is a major task to be realized by the SPC. To this end, a web site is available at <http://www.red-cimates.org.mx/HPM2008.htm> This is going to be a very efficient tool to make known the HPM 2008 worldwide, to allow for online registration etc.

#### **9. Proceedings**

Publishing the Proceedings of HPM 2008 is also a major task, and will be available on the spot.

Each submitted full text for an oral presentation, or workshop will be reviewed by members of the SPC at the usual international standards.

More details on the size of the texts, the format guidelines will be announced in due course from the HPM 2008 and HPM websites  
<http://www.red-cimates.org.mx/HPM2008.htm> <http://www.clab.edc.uoc.gr/hpm/> respectively.

### **10. Contact**

For further information, please contact:

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