

Commission internationale pour l'étude et
l'amélioration de l'enseignement des mathématiques.
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International commission for the study and
improvement of mathematics education
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AOSTA, Italy
20 - 24 July 2015

TEACHING AND LEARNING MATHEMATICS: RESOURCES AND OBSTACLES

International Programme Committee:

Luciana Bazzini (Italy), chair; Marcelo Bairral (Brasil) Gail FitzSimons (Australia); Uwe Gellert (Germany); Xavier Diez-Palomar (Spain); Corinne Hahn (France); Elisabetta Robotti (Italy); Cristina Sabena (Italy) Charoula Stathopoulou (Greece),

Local Organizing Committee:

Elisabetta Robotti (chair), Luciana Bazzini, Cristina Sabena, Claudia Testa, Pietro Madaro

Conference venue:

**Università della Valle d'Aosta - Université de la Vallée
d'Aoste** Strada Cappuccini, 2/A , Aosta, Italy

Contact cieaem67@gmail.com

Web site <http://cieaem67.perladidattica.it>

PROGRAM OF THE CONFERENCE

The program of the conference includes several activities: plenaries, semi-plenaries, working groups, oral presentations and lectures, forum of ideas.

Plenaries

The program includes plenary and semi-plenary sessions where invited speakers will focus on aspects of the conference theme. The plenaries and semi-plenaries provide a shared input to the conference and form a basis for discussions in the working groups.

Working groups

Each participant is invited to be a member of one of the working groups that will meet several times. Working groups will focus on a specific sub-theme or on a number of interrelated themes. This will provide opportunities both for in-depth discussions and for the linking of experiences. These are planned as interactive sessions and are the heart of the conference. Some presentations may be included in these sessions but discussions and exchange of experiences and ideas are the essential aspects of this activity. Each group will be coordinated by two "animators".

Oral presentations and lectures

Individuals or small groups of participants are encouraged to contribute to the conference through an oral presentation, thus communicating and sharing with others their ideas, research work or experiences. Relevant case studies are particularly welcome. Presentations should be related to the theme of the conference in general or to the sub-themes. There will be between 15 and 20 minutes available for each presentation (depending on the organization of the working group) followed by approximately 5 to 10 minutes for discussion. There may also be some invited lectures and presentations.

Workshops

Individuals or small groups of participants are also encouraged to prepare and organise workshops. These are a more extended type of contribution which should focus on concrete activities and encourage the active involvement of the participants through working on materials, problems or questions relating to the sub-themes. A workshop will last for about 90 min.

Forum of ideas

The Forum of Ideas offers an opportunity to present case studies, learning materials and research projects, as well as ideas that are not directly related to the theme. Participants are encouraged to display their work in the exhibition hall. There will be a specific time for contributors to explain and discuss their work with fellow participants.

Special sessions

There will be some special sessions that will enrich the discussion by presentations of country-specific views on recent developments in mathematics education.

Official languages of the conference

The official languages of the conference are French and English. Everyone is asked to speak slowly and clearly so that all participants can understand and contribute to discussions. All speakers must prepare their slides or diorama in both languages. We rely on and appreciate the help of those who can translate, to assist their colleagues within each working group.

Animators in most cases are able to help in both languages.

CALL FOR PAPERS

We hope that all participants will contribute “actively” to the conference by sharing with others their experiences and views in the various sessions, particularly in the working groups. Moreover, you are encouraged to send a proposal for an oral presentation or a workshop, or to bring a contribution to the Forum of Ideas.

Proposals for **ORAL PRESENTATIONS** and **WORKSHOPS** can be made by sending a FOUR PAGE text (about 1800 words or 12000 characters with spaces), **BEFORE MARCH, 1, 2015**, including:

- Title, authors' names and affiliations,
- Aim and main idea of the reported study, methodology and the expected conclusions,
- Related essential references.

The language of the proposal should be the same as that of the oral presentation (English or French). Once your proposal is accepted you will need to prepare an abstract or summary in the other official language together with slides or diorama in both languages. Members of the Commission can assist the participants in translating their transparencies if they ask for help ahead of time.

Proposals for the **FORUM OF IDEAS**, can be made by sending a ONE PAGE text (about 450 words or 3000 characters with spaces), **BEFORE MARCH, 30, 2015**, including:

- Title, authors' names and affiliations,
- short description of the content, including information about the type of material to be presented (poster, models, video).

The language of the proposal should be the same as that of the oral presentation (English or French). Once your proposal is accepted you will need to prepare an abstract or summary in the other official language together with

one single Power Point or other presentation in both languages. Members of the Commission can assist the participants with translations if they ask for help.

The **Conference Proceedings** will be edited by the electronic typesetting of the submitted papers. For uniformity and the good quality of the edition, it is necessary to keep to the following specifications:

1. The page size will be A4 with margins 4cm right and left, 5.3cm top and down. The text alignment will be justified, except the title and the author's names that will be aligned center.
2. The first page will contain in order:
 - The title of the paper, in bold font and size 16.
 - One blank line.
 - The author's name, with a full post address and email, in font size 12.
 - Two blank lines.
 - Abstract of the paper: this will not exceed 15 lines, in font size 12.
 - The main text, in font size 12.
3. The paper will be written in the word processor Word for Windows. All text fonts will be Times New Roman Greek.
4. Pictures, tables, graphs, that are included in the text, must also be saved in separate files submitted with the paper.

Please send us your computer file **by using Microsoft Word** (saved as .doc or.rtf) with your proposal to the following E-mail address: cieaem67@gmail.com

REGISTRATION

Please register on line on the web site

<http://cieaem67.perladidattica.it>

CONFERENCE FEE

Before April 30, 2015, Participant	Euro 310
Before April 30, 2015, Accompanying person	Euro 210
Before April 30, 2015 Student (including Quality Class)	Euro 250
After April 30, 2015, Participant	Euro 350
After April 30, 2015, Accompanying person	Euro 250
After April 30, 2015, Student (including Quality Class)	Euro 290

The fee includes all documents for the Conference, coffee breaks, social activities, lunches, excursion and conference dinner.

You may offer extra 10 euro (or more) for the Braithwaite Fund (In order to support participants in difficult circumstances).

Information about registration and payment of the conference fee in the Second Announcement.

IMPORTANT DATES

Proposals for ORAL PRESENTATIONS and WORKSHOPS	MARCH, 1, 2015
Contributions to the FORUM OF IDEAS	MARCH, 30, 2015
Reply from the International Program Committee for the proposals	APRIL, 15, 2015
Conference Fee	APRIL, 30, 2015
Submission of the final paper	MAY, 10, 2015
Third Announcement (Final Program)	MAY, 30, 2015