

FIRST ANNOUNCEMENT
SIXTH YERME SUMMER SCHOOL (YESS-6),
August 22-29, 2012 in Faro, PORTUGAL
<http://yerme.eu/> www.esse.ualg.pt/yess6

The ERME Board¹, YERME² and the Local Organisers³ are happy to invite, PhD students, post-doctoral researchers, and master students in mathematics education and others entering mathematics education research to take part in the Sixth YERME Summer School (YESS-6).

In line with the ERME Manifesto, the aims of the Summer School are:

- To let people from different countries meet and establish a friendly and cooperative style of work in the field of mathematics education research;
- To let people compare and integrate their preparation in the field of mathematics education research in a peer discussion climate with the help of highly qualified and differently oriented experts;
- To let people present their research ideas, theoretical difficulties, methodological problems, and preliminary research results, in order to get suggestions (from other participants and experts) about possible developments, different perspectives, etc. and open the way to possible connections with nearby research projects and co-operation with researchers in other countries.

PERIOD: The school begins at 9:00 am on August 23 and finishes on August 28 evening, 2012 (five and a half days of work plus one intermediate half-day for excursion or a free half-day). We scheduled August 22th and 29th for arrival-registration and departure respectively.

PLACE: The summer school takes place at the University of Algarve in Faro (<http://www.ualg.pt/>), campus da Penha, located in the South of Portugal. One may expect a dry climate and comfortable temperatures that range from 20°C to 35°C. We advise to bring a light jacket because in the evening it may cool down.

ACCOMMODATION AND CONFERENCE FEES: An all-inclusive 7 days full-board accommodation (from August, 22 afternoon, to August, 29 morning) at Campus of the University of Algarve. Accommodation and conference fee is fixed to 450 € (double room accommodation), 500 € (single room accommodation). This fee will include room with breakfast, all meals and coffee/tea. No additional registration fee will be requested. In addition, an optional excursion will be arranged on Sunday afternoon.

There will be a possibility of some scholarships for participants from Eastern Europe (depending on ERME contribution and other contributions). Allocation will be decided according to the needs and the funds available. In principle, it is expected

that participants will first seek support from funding organisations in their own country or their countries of study.

ORGANISING PROGRAM COMMITTEE: The organizing committee includes 7 people:

- 2 ERME BOARD representatives (Ferdinando Arzarello and João Pedro da Ponte);
- 2 YERME representatives (Giorgio Santi, 1 PhD student to be indicated);
- 2 LOCAL GROUP Team representatives (Cláudia Canha Nunes and António Guerreiro);
- Paolo Boero as scientific coordinator.

LOCAL ORGANIZING TEAM: The local organizing committee includes António Guerreiro and Luciano Veia (from the University of Algarve and PhD students at the University of Lisbon) Cláudia Canha Nunes, Isabel Velez and Sandra Nobre (PhD students at the University of Lisbon), and Cristolinda Costa (from the University of Algarve).

SCIENTIFIC STAFF: Six leading experts in mathematics education are invited to contribute to the Summer School by giving lectures and taking part in the Working Groups. Moreover, Discussion Groups will be led by Paolo Boero, Ferdinando Arzarello, João Pedro da Ponte and other experts. The evaluation of the summer school will be done by Paolo Boero and João Pedro da Ponte.

MAXIMUM NUMBER OF PARTICIPANTS: 70

PROGRAM: According to the very successful experiences of the first five European Summer Schools and its participants' final suggestions, the program will include:

- **Five 45-minutes Lectures** given by the invited experts (with 30-minutes additional discussions with the lecturer, prepared by small group discussions); before the Summer School, each expert will circulate (through Internet) a summary of his/her talk, pointing out relevant issues to be discussed.
- **Ten two-hour sessions in five parallel Thematic Working Groups;** The Thematic Working Groups will meet everyday (at least once). They will start from the participants' papers and will address the following "leading questions": how to choose research problems and research questions? How to refer to and use existing literature and frame our own research? How to construct an appropriate research methodology to frame our study? How to position theory in research conceptualisation and analysis? How to identify, present and interpret research results? How to disseminate research findings so that they have real impact in the schools and the society? Specific attention will be paid to each participant's own needs, regarding his own work.

- **Two 90 minutes Discussion Group Sessions:** they will be devoted to topics of common interest – possibly including the above “leading questions”.
- **Two 90 minutes Informal Discussion Group Sessions:** they will be devoted to issues that are relevant to individual YERME participants’ needs, self-organized by YERME.

PARTICIPANTS' PAPERS: Accepted participants will be invited to present one among the following three kinds of papers, according to the situation of their studies and research work:

- A comprehensive information concerning personal graduate studies and/or research plan;
- A presentation of research work in progress (theoretical framework, methodology, aims...);
- A presentation of preliminary results (with essential information about their theoretical framework and methodology);

Papers should be between 750 and 1500 words (about three and six pages long). They have to be submitted by the end of May 2012.

Papers will be distributed (according to thematic criteria) in different working groups and circulated before the Summer School.

TOPICS: The topics for the 2012 Summer School will be:

1. Teacher knowledge and practice; teacher education and professional development;
2. Teaching and learning advanced mathematics;
3. Information technologies in mathematics teaching and learning (software, Internet, etc.);
4. Cognitive and affective factors in learning and teaching mathematics;
5. Theoretical perspectives, modelling and linguistic and representational aspects of teaching and learning mathematics.

DEADLINES:

1. September 15, 2011: The First Announcement is sent to all former Summer school participants and to all other people at the ERME e-mail list (participants of former CERME conferences). In addition, the First Announcement is presented at the existing ERME and YERME websites.

2. January 15, 2012: Deadline for Application for ADMISSION OF PARTICIPANTS. Each applicant should indicate preferences about topics (by selecting one

"first choice", one "second choice" and one "third choice"). Each applicant should send the application form and write a 250 words abstract (about one page) describing the aims, theoretical framework, methodology and current status of his/her scientific work. In case of too many applicants, the following criteria are taken to decide those participants who will become accepted when paying the YESS6-fee in time: a) PhD status and elaboration of the project (less priority to PhD students without a clear proposal, post-Ph D-students, master, and other people), b) Distribution among countries.

3. February 28, 2012: The second announcement (with all WGs and discussion groups and their coordinators) will be distributed. E-mail information is sent to all those who applied, clarifying if they are invited to join the summer school or that they are included, at this stage, in the waiting list, or if their application is not accepted. Participants who are provisionally accepted have March 30 as deadline for their final registration (including paying the conference fees).

4. March 30, 2012: Conference fee + deposit for room reservation.

5. April 5, 2012: Participants in the waiting list will receive final announcements regarding acceptance. Those who are provisionally accepted have April 25 as deadline for their final registration (including paying the conference fees).

6. April 30, 2012. Acceptance letter after paying the fee.

7. May 10, 2012: Definitive reservation of rooms for participants, reservation of University resources.

8. May 30, 2012: Deadline for full papers (by participants); immediate dissemination to participants and experts (through internet).

9. June 30, 2012: Deadline for experts' abstracts; immediate dissemination to participants (through Internet).

10. August 22-29, 2010: YESS-6 takes place.

HOW TO REACH Campus of the University of the Algarve: The nearest airport to the Campus of Penha is Faro's international airport (about 5 km). It is possible to reach Faro from several European cities with low cost companies.

APPLICATION FORM

(to be filled and sent back BOTH to
Paolo Boero <boero@dima.unige.it> AND
Cláudia Canha Nunes <cjohnent@gmail.com>
not later than January, 15, 2012)

FIRST NAME:	FAMILY NAME:
GENDER:	NATIONALITY:
DATE OF BIRTH:	
E-MAIL ADDRESS:	ALTERNATIVE E-MAIL ADDRESS:
TELEPHONE NUMBER:	FAX NUMBER:

In the academic year 2011-12 (indicate your current status)	Masters student (MA, MEd etc.)	PhD student	Post-doctoral student.	Other
Title of my dissertation/current major project				
I intend to take my degree in the academic year (if applicable)				
My Supervisor (if applicable)				
My University (if applicable)				

Did you participate to previous YESS¹ YES () NO ()

OTHER: (please provide any other information which you find relevant to report).

¹ Applicants who participated to previous YESS can participate in YESS-6.

Choices for accommodation (*delete the other option*)

Single room accommodation

Double room accommodation (indicate a roommate: _____)

Special requirements for food (e.g. vegetarian):

CONTACTS

For scientific questions contact Paolo Boero: boero@dima.unige.it

For organizational questions contact António Guerreiro (aguerrei@ualg.pt) or Cláudia Canha Nunes (cjohnent@gmail.com)

For application please use both: cjohnent@gmail.com *and* boero@dima.unige.it

TOPICS OF INTEREST FOR ME IN THE YERME 2012 SUMMER SCHOOL

(please write 1 for your "first choice of the topic", 2 for your "second choice topic" and 3 for your "third choice topic" in the < > space after the title of the selected Working Group)

Topic	Priority
1. Teacher knowledge and practice; teacher education and professional development	
2. Teaching and learning advanced mathematics	
3. Information technologies in mathematics teaching and learning (software, Internet, etc.)	
4. Cognitive and affective factors in learning and teaching mathematics	
5. Theoretical perspectives, modelling and linguistic and representational aspects of teaching and learning mathematics.	

If you are interested in attending the summer school, and you do not find a suitable topic, please write an e-mail to P. Boero (boero@dima.unige.it) and to João Pedro da Ponte (jpp@ie.ul.pt) indicating the topic that you would be your first choice.

I WILL PREPARE A 750-1500 WORDS (3-6 PAGES) CONTRIBUTION FOR THE ERME 2012 SUMMER SCHOOL (DEADLINE: May, 30) CONCERNING
(delete the other options)

- research orientation (choice of the research subject, background readings, etc.);
- my research work in progress (theoretical framework, methodology, etc.);
- preliminary results of my research work;

Below provide other relevant information about your preparation in the field of mathematics education research, present status of your work in the field, your research activities in the present academic year and your motivations to take part in the ERME 2012 Summer School, etc. (no more than 250 words).

¹ **ERME - from the Manifesto:**

1. The Society will organise: Conferences with a wide spectrum of themes to profit from the rich European diversities, Special Meetings such as thematic workshops, centring around specific topics, or summer schools where experienced researchers work together with beginners.

2. The Society will foster and support co-operative activities on common themes, topics, interests, aimed at:

- broadening understanding - going beyond local contexts to enhance knowledge and understanding in scientific areas;
- finding out - what research is going on in different places in Europe which might benefit from wider investigation;
- identifying key areas for research - areas of scientific interest or concern which should be a major focus for collaborative research on a wider scale;
- bringing together areas of expertise - drawing on expertise in related areas to broaden scientific knowledge.

3. The Society will support graduate students, thus preparing researchers in Mathematics Education through conferences, summer schools, provision of information, student and teacher exchanges, post doctoral opportunities, inter-European collaboration on thesis presentation."

² **YERME** - spontaneous aggregation of young researchers at the CERME-II and CERME-III Conferences, with the aim of creating a co-operative style of work amongst people of different countries and a support to the development of professional preparation and career in the field of mathematics education. Former YERME Summer Schools (YESS 1, 2, 3, 4 and 5) took place in Klagenfurt (Austria, 2002), Podebrady (Czech Republic, 2004), Jyväskylä (Finland, 2006), Trabzon (Turkey, 2008), and Palermo (Italy, 2010).

³ **LOCAL ORGANISERS:** The Institute of Education of the University of Lisbon has as quite dynamic PhD program in mathematics education. The major lines of research are teacher knowledge and practices, teacher development, teaching and learning algebra, numbers and statistics, use of technology in the classroom, students' assessment, and history of mathematics education. It also has a master program in mathematics education for inservice teachers and a preservice teacher education program for teachers of grades 7-12.

The Escola Superior de Educação e Comunicação of the University of Algarve is dedicated to pre-service and inservice teacher education, especially for the early school years (preschool, grades 1-4 and 5-6).