

FIRST ANNOUNCEMENT
SEVENTH YERME SUMMER SCHOOL (YESS-7),
August 04-11, 2014, in Kassel, GERMANY

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 Seventh YERME Summer School (YESS-7).

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 co-operative 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 experts from various research areas;
- To let people present their research ideas, theoretical thoughts, methodological approaches or 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 5th and finishes on August 10th evening, 2014 (five and a half days of work plus one intermediate half-day for excursion). We scheduled August 04th and 11th for arrival-registration and for departure, respectively.

PLACE: The summer school takes place at the Reinhardswaldschule (Teacher Training Center) in Kassel, which is right in the middle of Germany. It is summer time, but also rain is possible. Temperatures will probably range from 18°C to 25°C. We advise to bring a jacket, also long trousers.

ACCOMMODATION AND CONFERENCE FEES: An all-inclusive 7 days full-board accommodation (from August 4, afternoon, to August 11, morning) at Reinhardswaldschule in Kassel.

The conference fee is fixed to 450 €. This fee will include accommodation with breakfast, all meals and coffee/tea as well as an excursion on Wednesday afternoon.

There will be a possibility of some scholarships for participants from European and non European countries who demonstrate the need for such support (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 6 people: Viviane Durand-Gerrier, João Pedro da Ponte, Paolo Boero, Susanne Schnell, C. Miguel Ribeiro, and Rita Borromeo-Ferri. The role of scientific coordinator is assumed by Paolo Boero.

LOCAL ORGANIZING TEAM: The local organizing committee consists of Rita Borromeo Ferri (Chair), Werner Blum, and Maïke Hagena (all University of Kassel)

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 several experts.

MAXIMUM NUMBER OF PARTICIPANTS: 70

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

- **Six 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 six parallel Thematic Working Groups;** The Thematic Working Groups will meet every day (at least once). They will start from the participants' papers and will address (amongst others) the following "leading questions": How to choose research problems and research questions? How to refer to and use existing literature and frame the own research? How to construct an appropriate research methodology? How to position theory in the own research? How to identify, present and interpret research results? How to disseminate research findings so that they have real impact in schools and society? Specific attention will be paid to each participant's own special needs.
- **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 presentation of preliminary results (with essential information about theoretical framework and methodology); or

- A presentation of research work in progress (research questions, theoretical framework, methodology, aims...); or
- A comprehensive information concerning personal graduate studies and/or research plans;

Papers should contain between 1000 and 1500 words (four to six pages long). They have to be submitted by 31 May 2014.

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

TOPICS: The topics for the 2014 Summer School will be:

1. Teacher knowledge and practice; teacher education and professional development;
2. Teaching and learning mathematics at primary level;
3. Teaching and learning mathematics at secondary and advanced level;
4. Information technologies in mathematics teaching and learning
5. Cognitive and affective factors in learning and teaching mathematics;
6. Theoretical perspectives, linguistic and representational aspects of teaching and learning mathematics.

DEADLINES:

1. September 15, 2013: 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 ERME and YERME websites.

2. January 20, 2014: Deadline for Application for ADMISSION to participate. 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 about those participants who will become accepted when paying the YESS-7 fee in time: a) PhD status and elaboration of the project (less priority to PhD students without a clear proposal, to post-PhD-students and master students); b) Distribution among countries.

3. February 28, 2014: 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 fee).

4. March 31, 2014: Conference fee

5. April 12, 2014: Participants in the waiting list will receive final announcements regarding acceptance.

6. April 30, 2014: Official acceptance letters are sent out to all accepted people who have paid the registration fees.

7. May 10, 2014: Definitive reservation of rooms for participants

8. May 31, 2014: Deadline for full papers (by participants); immediate dissemination to participants and experts.

9. June 30, 2014: Deadline for experts' abstracts; immediate dissemination to participants.

10. August 04-11, 2014: YESS-7 takes place.

HOW TO REACH Reinhardswaldschule in Kassel: The nearest airport is Kassel-Calden, then Paderborn Airport, Hannover Airport and Frankfurt Airport. The most frequent airport is Frankfurt Airport. Then the train from train station Frankfurt to Kassel-Wilhelmshöhe takes about 1hour and 45 minutes. There are Shuttle-Services for transfer to Reinhardswaldschule.

APPLICATION FORM

(to be filled and sent back BOTH to
Paolo Boero <boero@dima.unige.it> AND
Rita Borromeo Ferri <borromeo@mathematik.uni-kassel.de>
not later than January, 20, 2014)

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

In the academic year 2013-14 (indicate your current status)	Masters student (MA, MEd etc.)	PhD student	Post-doctoral student.	Other (specific)
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 in a previous YESS YES () NO ()

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

CONTACTS

For scientific questions contact Rita Borromeo Ferri (borromeo@mathematik.uni-kassel.de) and Werner Blum (blum@mathematik.uni-kassel.de) and Paolo Boero (boero@dima.unige.it)

For organizational questions contact Maike Hagen (hagen@mathematik.uni-kassel.de) and Rita Borromeo Ferri (borromeo@mathematik.uni-kassel.de)

TOPICS OF INTEREST FOR ME IN THE YERME 2014 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 mathematics at primary level	
3. Teaching and learning mathematics at secondary and advanced level	
4. Information technologies in mathematics teaching and learning (software, internet, etc.)	
5. Cognitive and affective factors in learning and teaching mathematics	
6. Theoretical perspectives, 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 Rita Borromeo Ferri and Paolo Boero indicating the topic that would be your first and second choice.

Issues in which I feel I need more help during YESS 7

Topic	No need	Support welcome	Important need
1. In designing a quantitative methodology study			
2. In designing a qualitative methodology study			
3. In designing a mixed methods study			
4. In finding/developing and using suitable theories			
5. In analysing quantitative data			
6. In analysing qualitative data			
7. In writing and presenting research results			

I WILL PREPARE A 1000-1500 WORD CONTRIBUTION FOR THE YERME 2014 SUMMER SCHOOL (DEADLINE: May, 31) FOCUSING ON
(delete the other options)

- research orientation (choice of the research subject, background readings, etc.);
- my research work in progress (research questions, 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 YERME 2014 Summer School, etc. (200-250 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, 5 and 6) took place in Klagenfurt (Austria, 2002), Pödebrady (Czech Republic, 2004), Jyväskylä (Finland, 2006), Trabzon (Turkey, 2008), Palermo (Italy, 2010), Faro (Portugal, 2012)

³ **LOCAL ORGANISERS:** The major lines of research at University of Kassel in mathematics Education are teacher knowledge and practices, teacher development, teaching and learning of mathematical modelling, problem solving as well as other key competencies, numbers and statistics, use of technology in the classroom, students' assessment, diagnose and feedback in mathematics lessons. It also has a master program in mathematics education for preservice teachers education program for vocational teachers.