

**FIRST ANNOUNCEMENT
TENTH YERME SUMMER SCHOOL (YESS-10)**

April 21-26, 2020, Rhodes (Greece)

<http://ltee.aegean.gr/yess10>

The ERME Board, YERME and the Local Organisers are happy to invite PhD students, post-doctoral researchers, master students in mathematics education and others entering mathematics education research, in particular mathematicians moving to mathematics education research without a sufficient scientific local environment, to take part in the Tenth YERME Summer School (YESS-10).

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 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, PLACE AND WEBSITE

The school begins on April 21st morning and finishes on April 26th evening, 2020 (five and a half days of work plus one intermediate half-day for excursion). The participants are required to be present during the whole 6-day summer school. We have scheduled April 20th and 27th for arrival-registration and for departure, respectively.

The summer school takes place in Rhodes and is organised by the Laboratory of Learning Technology and Educational Engineering (LTEE).

For updated information on how to attend and register, visit the conference website: <http://ltee.aegean.gr/yess10/>



ACCOMMODATION AND CONFERENCE FEES

A seven days full-board accommodation (from April 20th, afternoon, to April 27th, morning) is offered.

The conference fee will be up to 500 euros. This fee will include accommodation with breakfast, all meals and coffee/tea as well as an excursion.

There will be a possibility for 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. For those who apply for financial support an approval letter by the supervisor is requested. In principle, it is expected that participants will first seek support from funding organisations in their own country or their countries of study.

MAXIMUM NUMBER OF PARTICIPANTS

The maximum number of participants is 84. There is a selection process for those who register in time. The deadline for application for admission to participate is September 30, 2019.

PROGRAMME

According to the successful experiences of the previous European Summer Schools and their participants' final suggestions, the program will include:

- **Seven 40-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 (by internet) a summary of his/her talk, pointing out relevant issues to be discussed. In addition, a daily meeting with the plenary speakers will be included in the programme.
- **Nine two-hour sessions in seven 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 special needs.
- **One 90 minutes Discussion Group Session:** It will be devoted to topics of common interest – possibly including the above "leading questions".
- **One 90 minutes Informal Discussion Group Session:** It 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 from among the following three kinds of papers according to the situation of their studies and research work:

A) A presentation of preliminary results (with essential information about theoretical framework and methodology)

- problem on which you have begun to work
- motivation: educational and/or scientific relevance of the problem
- how the problem is situated in current literature (state of the art)
- moving towards the future: ideas about how to tackle the problem
- conceptual framework and research questions; method to answer the research questions

B) A presentation of research work in progress (research questions, theoretical framework, methodology, aims...)

- problem on which you are working
- motivation: educational and/or scientific relevance of the problem
- how the problem is situated in current literature (state of the art)
- conceptual framework and research questions;
- method to answer the research questions: experimental design, etc.
- possibly, some examples of data analysis

C) A comprehensive information concerning personal graduate studies and/or research plans

- problem on which you have worked
- motivation: educational and/or scientific relevance of the problem
- how the problem is situated in current literature (state of the art)
- essential information on conceptual framework; research questions;
- method to answer the research questions: experimental design, etc.
- short, representative examples of data analysis and results
- conclusion, further research

In all cases, references should be reduced to a maximum of 12 (less than one page). Papers should contain between 1000 and 1500 words (4 to 6 pages long). They have to be submitted by February 15, 2020. They will be distributed (according to thematic criteria) in different working groups and circulated before the Summer School. A balance between the three categories A, B and C will be considered in the composition of the working groups.

A necessary condition for paper acceptance is that it clearly addresses Mathematics Education. As a consequence, the authors should make the relation of their research to mathematics education explicit.

TOPICS

The proposed topics for the 2020 Summer School and their leaders are:

1. TWG 1: Teacher knowledge and practice; teacher education and professional development - Konrad Krainer (Austria)
2. TWG 2: Teaching and learning mathematics at the primary and pre-school level - Marianna Tzekaki (Greece)
3. TWG 3: Teaching and learning mathematics at the secondary level, including the transition between elementary and secondary level - Michal Tabach (Israel)
4. TWG 4: Teaching and learning mathematics at the upper secondary and university levels - Carl Winslow (Denmark)
5. TWG 5: Information technologies in mathematics teaching and learning - Jana Trgalova (France)
6. TWG 6: Proof, proving, problem solving and modelling in mathematics education - Maria Alessandra Mariotti (Italy)
7. TWG 7: Theoretical perspectives, linguistic and representational aspects of teaching and learning mathematics - Angelika Bikner-Ahsbabs (Germany)

APPLICATION

Applicants should submit the electronic application form including a 250 words abstract describing the aims, theoretical framework, methodology and current status of their scientific work. They should also indicate their preferences about topics (by selecting one “first choice”, one “second choice” and one “third choice”) in the application form, not later than September 30, 2019. The link for the application form is available on the website.

They will be informed on November 15, 2019 about the decision regarding their application: either that they are invited to join the summer school or that they are included, at this stage, in the waiting list, or that their application is not accepted. Participants who are provisionally accepted have January 15, 2020 as deadline for their final registration (including paying the conference fee).

DEADLINES

1. **June 20, 2019:** 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 published at the ERME and YERME websites.
2. **September 30, 2019:** Deadline for Application for ADMISSION to participate.
3. **November 15, 2019:** E-mail notification is sent to all applicants, specifying that they are either invited to join the summer school or that they are included, at this stage, in the waiting list, or that their application is not accepted.
4. **January 15, 2020:** Final registration and conference fee payment deadline for those accepted in the first round.
5. **January 15, 2020:** Participants in the waiting list will receive final notification regarding their acceptance.
6. **January 31, 2020:** Official acceptance letters are sent out to all accepted people who have paid the registration fees.
7. **February 7, 2020:** Definitive reservation of rooms for participants – no refund possible after this date.
8. **February 15, 2020:** Deadline for submitting full papers (by participants); immediate dissemination to participants and experts.
9. **February 29, 2020:** Deadline for experts’ abstracts; immediate dissemination to participants.
10. **April 21-26, 2020:** YESS-10 takes place.

COMMITTEES

Programme committee: Angelika Bikner-Ahsbabs (Germany), Viviane Durand-Guerrier (France), Dorota Lembrér (Norway), Andrea Maffia (Italy), Konstantinos Tatsis (Greece), Jana Trgalova (France). The role of scientific coordinator is assumed by Viviane Durand-Guerrier.

Local organising committee: Konstantinos Tatsis (Chair), Georgios Kritikos (Vice-chair), Angelique Dimitracopoulou, Fragiskos Kalavassis, Sonia Kafoussi, Chrysanthi Skoumpourdi, Georgios Fessakis, Panagiotis Stamatidis.