



International Study Group on the Relations Between
the HISTORY and PEDAGOGY of MATHEMATICS
An Affiliate of the International Commission on
Mathematical Instruction

**8th EUROPEAN SUMMER UNIVERSITY
ON HISTORY AND EPISTEMOLOGY IN MATHEMATICS EDUCATION**

ESU-8

**20-24 July 2018,
Oslo & Akershus University College of Applied Sciences
Oslo, Norway**

<https://esu8.edc.uoc.gr>

ANNOUNCEMENT

1. Aim

The ESU mainly aims

- to provide a forum for presenting research in mathematics education and innovative teaching methods based on a historical, epistemological and cultural approach to mathematics and their teaching, with emphasis on actual implementation;
- to give the opportunity to mathematics teachers, educators and researchers to share their teaching ideas and classroom experience related to this perspective;
- in this way, to motivate further collaboration along these lines, among members of the mathematics education community in Europe and beyond.

2. Focus and main themes of ESU-8

The ESU is more a collection of intensive courses than a conference for researchers. It is a place where teachers and researchers meet and work together. It is also a place where beginners, more experienced researchers and teachers present their teaching experience to the benefit of the participants and get a constructive feedback from them. It refers to all levels of education – from primary school, to tertiary education – including in-service teachers' training.

The programme and activities of ESU-8 are structured around the following *main themes*:

Theme 1: Theoretical and/or conceptual frameworks for integrating history and epistemology of mathematics in mathematics education;

Theme 2: History and epistemology in students and teachers mathematics education: Curricula, courses, textbooks, and didactical material of all kinds - their design, implementation and evaluation;

Theme 3: Original historical sources in teaching and learning of and about mathematics;

Theme 4: Mathematics and its relation to science, technology, and the arts: Historical issues and socio-cultural aspects in relation to interdisciplinary teaching and learning;

Theme 5: Topics in the history of mathematics education;

Theme 6: History of mathematics in the Nordic countries.

Emphasis is put on work and conclusions based on actual classroom experiments and/or produced teaching & learning materials, but insightful theoretical ideas and/or historical analysis with visible didactical implications are also welcome.

3. Activities during ESU-8

All activities should refer to the ESU-8 *main themes*. Its scientific program will be structured along these themes, consisting of a few *plenary lectures & panels*, as well as, parallel sessions of *oral presentations, short communications* and *posters*, for participants, who want to speak about their own experience, or research. A major part of the programme, however, consists of *workshops*.

4. Target population

The majority of the participants is expected to be (elementary or secondary) schoolteachers, who may wish to gain new ideas on how they can integrate the history of mathematics into their teaching. Special effort will be made so that each session includes activities relevant and interesting for schoolteachers; for instance activities with focus on useful resources and didactical material available in Norwegian, or other national languages. However, there will be also university teachers and students, interested in the integration of the history and epistemology of mathematics into mathematics education, as well as, historians of mathematics, who may give a limited number of lectures to inform others about recent developments in their domain, and mathematicians with an interest in the relation between mathematics, its history and epistemology, and its role at present and in the past.

5. Time and place

The ESU-8 will take place from **Friday 20 to Tuesday 24 July 2018** at the **Oslo & Akershus University College of Applied Sciences**, Oslo, Norway.

6. Official Languages

The official languages of ESU-8 are English, Norwegian and French: All plenary talks and panel discussions will be in English. Other activities can be delivered in any of the official languages. However, presenters and workshop organizers should keep in mind that all activities should in principle be targeted to an international audience and that many participants will not be native speakers of any of these languages. Consequently, for activities not in English, the **presenters** will be asked to use **necessarily two sets of transparencies**, one being in **English**, while **workshop organizers** are strongly advised to prepare **copies in English of their material**. This will increase participation and will greatly facilitate communication among participants.

7. Submission of proposals

31 October 2017: deadline for submitting **Abstracts** of proposals for all types of activities.

15 December 2017: Notification of acceptance or not of the submitted proposals.

The members of the *Scientific Program Committee* (SPC) will review the submitted abstracts. Acceptance of a proposal means that the proposed activity will be included in the ESU-8 Scientific Programme. Full texts for inclusion to the ESU-8 *Proceedings* will be submitted after ESU-8 and will be further reviewed by members of the SPC at the usual international standards.

Important: Submissions of proposals and full texts, the reviewing process, and authors' notification will be realized online via <https://esu8.edc.uoc.gr/submission> and following the guidelines therewith.

8. Proceedings

Publishing the Proceedings of ESU-8 is a major task. They will appear **after** ESU-8, so that authors are given the opportunity to enrich their text as a result of the feedback they will gain during ESU-8.

Details on the procedure and the deadline for submitting full texts, their size, the format guidelines and the expected date by which the proceedings will be available to all registered participants, will be announced in due course from the ESU-8 and HPM official websites

<https://esu8.edc.uoc.gr>

<http://www.clab.edc.uoc.gr/hpm/meetings>

9. The web site

Making known the ESU worldwide, is a major task. To this end, a web site is being developed under the URL <http://esu8.edc.uoc.gr> It will be regularly updated as an effective tool for providing updated practical information, allowing for online registration, submission of proposals and full texts, supporting the reviewing process, etc.

10. For further information, contact

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For more detailed and regularly updated information, visit

<https://esu8.edc.uoc.gr>

<http://www.clab.edc.uoc.gr/hpm/meetings>