

CERME 13: Thematic Working Group 14 **University Mathematics Education**

Leader: Irene Biza (United Kingdom), i.biza@uea.ac.uk

Co-leaders: Ignasi Florensa (Spain), Ghislaine Gueudet (France), Athina Thoma (UK), Olov Viirman (Sweden)

Scope and focus of the Working Group

The University Mathematics Education group (TWG14) has been following the research on post-secondary and university (university hereafter) mathematics education. So far, we have witnessed the development of a variety of theoretical and methodological approaches and the adaption of existing ones. Also, we have addressed a diversification of research topics, including the learning of more advanced mathematical topics; university teaching practices and teachers' training; the use of resources; transitional issues to, from and within university studies; and, mathematics for non-mathematics specialists. Inspired by the works of TWG14, several initiatives have been taken, such as special issues and book chapters as well as the three [INDRUM](#) ERME topic conferences (with the fourth to take place in October 2022). In CERME13, we wish to expand our knowledge of the areas above as well as of emerging areas related to university mathematics education such as inclusion, access and equity. We also expect to discuss studies on curriculum design and teaching implementations. Finally, we welcome research stemming from ongoing or possible collaborations between communities (e.g., teachers and researchers, mathematics and non-mathematics specialists, etc.) and research investigating the affordances and challenges of such collaborations.

Call for papers and poster proposals

We welcome research-based papers and poster proposals that discuss university mathematics education (considering mathematics and non-mathematics degrees) on the topics below (and beyond), including issues resulting from the pandemic outbreak and its aftermath:

- transition issues “at the entrance”, across and beyond university mathematics;
- the teaching and learning of specific mathematical topics, including proof and modelling;
- students' experiences of university mathematics;
- challenges for, and novel approaches to, teaching mathematics at university level;
- the role of resources, including digital, in the teaching and learning of university mathematics;
- teacher preparation, professional development and practices of university mathematics;
- inclusion, access and equity in university mathematics education;
- collaborative research, for example, between university mathematics teachers and researchers in mathematics education; and,
- theoretical and methodological approaches in university mathematics education research.

Papers and poster proposals should use the CERME template, and conform to the guidelines at <https://cerme13.renyi.hu/>. CERME 13 uses an electronic submission system <https://www.conftool.pro/cerme13/>. The authors submit the initial version of their paper on the website (uploading it both as a .doc and a .pdf file, and providing the required information, in particular the TWG number).

Reviews and decisions

Each paper will be peer-reviewed by two persons from among those who submit papers to this TWG. Please expect to be asked to review up to two papers yourself. The group leaders will decide about the acceptance of posters.

Important dates

- **15 February 2023:** Deadline for submission of papers and posters.
- **5 April 2023:** Preliminary decisions on papers and posters.
- **10-14 July 2023:** CERME 13 takes place.
- See <https://cerme13.renyi.hu/deadlines> for other important dates