

CERME 12: Thematic Working Group 14 **University Mathematics Education**

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Scope and focus of the Working Group

TWG14 celebrates 10 years of its activities and has followed the increasing growth in research on post-secondary and university (university hereafter) mathematics education. During this period, we witnessed the development of a variety of approaches, the adaption of existing ones, and a diversification of research topics, including the study of the learning of more advanced mathematical topics, university teaching practices and teachers' training, the use of resources, and mathematics as a service subject. Inspired by the works of TWG14, several initiatives have been taken, such as journal special issues ([RME 2014](#), [IJRUME 2018](#)), a chapter on "Research on university mathematics education" in the [book](#) celebrating 20 years of CERME in 2018, and the three [INDRUM](#) ERME topic conferences (with an all-new [book](#) from the first two conferences). In CERME12, we wish to further this work, and welcome contributions from across the board of research approaches and topics.

Call for papers and poster proposals

We welcome research-based papers (up to 8 pages) and poster proposals (up to 2 pages). We are primarily, although not exclusively, interested in papers addressing the following topics:

- transition issues "at the entrance" to university mathematics, or beyond;
- the teaching and learning of advanced university mathematics topics (including proof);
- students' experiences of university mathematics;
- challenges for, and novel approaches to, teaching mathematics at university level (including for students in non-mathematics degrees);
- the role of resources and digital technology in the teaching and learning of university mathematics;
- the preparation, training, and teaching practices of university mathematics teachers;
- inclusive (and access to) university mathematics education;
- collaborative research between university mathematics teachers and researchers in mathematics education; and,
- theoretical and methodological approaches in university mathematics education research.
- We also welcome papers that discuss university mathematics education on (and beyond) the topics above in the light of the pandemic outbreak.

Papers and poster proposals should use the CERME template, and conform to the guidelines at www.cerme12.it CERME 12 uses an electronic submission system www.conftool.pro/cerme12 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. The group leaders will decide about the acceptance of posters.

Important dates

- **15th July 2021:** Deadline for [Early Bird Procedure](#)
- **15th September 2021:** Deadline for submission of papers and posters.
- **4th November 2021:** Preliminary decisions on papers.
- **12th November 2021:** Preliminary decisions on posters.
- **2nd - 6th February 2022:** CERME 12 takes place.
- See www.cerme12.it/deadlines/ for other important dates