

CERME 11: Thematic Working Group 14 **University Mathematics Education**

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Scope and focus of the Thematic Working Group

Research on postsecondary mathematics education has been growing at a quick pace over the last years with an increasing number of publications. The last years have witnessed the development of a variety of approaches – and the adaption of existing ones – and the 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 by teachers and students, and mathematics as a service subject. TWG14 was launched in CERME7 and since then, several initiatives have been taken, such as an ERME topic conference, [INDRUM](#) (*International Network for Didactic Research in University Mathematics*), and special issues in *Research in Mathematics Education* (2014) and in the *International Journal of Research in Undergraduate Mathematics Education* (2018). In CERME11 we wish to cement and further this work, as well as welcoming 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 teaching and learning of advanced university mathematics topics (including proof);
- transition issues “at the entrance” to university mathematics, or beyond;
- the preparation, training, and teaching practices of university mathematics teachers;
- challenges for, and novel approaches to, teaching mathematics at university level (including the teaching of students in non-mathematics degrees);
- students' experiences of university mathematics;
- the role of ICT tools (e.g. CAS) and other resources (e.g. textbooks, books and other materials) in the teaching and learning of university mathematics;
- collaborative research between university mathematics teachers and researchers in mathematics education; and,
- theoretical and methodological approaches to research into the teaching and learning of university mathematics.

Papers and poster proposals should use the CERME template, and conform to the guidelines at the [guidelines website](#). CERME 11 uses a [submission website](#). 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

- **15th July 2018:** Early bird submission (please refer to the [early bird website](#))
- **15th September 2018:** Initial submission by authors in the submission system.
- **3rd November 2018:** Initial decisions on papers and posters sent.
- **24th November 2018:** The authors submit a revised version if needed.
- **5th December 2018:** Final decisions sent.
- **12th December 2018:** Final version uploaded.
- **13th January 2019:** Papers available on CERME 11 website.