

CERME 9: Thematic Working Group 14

University Mathematics Education

Leaders

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Scope and focus of the Thematic Working Group

Research on university level mathematics education is a relatively young field, which embraces a growing range of theoretical approaches and research designs. WG14 was launched in CERME7. After CERME8, its leader team – in collaboration with WG14 participants and others – worked towards a [Research in Mathematics Education](#) Special Issue (*Institutional, sociocultural and discursive approaches to research in university mathematics education*, July 2014) which focused on research that is conducted in the spirit of the following theoretical frameworks: the *Anthropological Theory of the Didactic*, the *Theory of Didactic Situations*, *Instrumental and Documentational Approaches*, *Communities of Practice and Inquiry* and the *Theory of Commognition*. In CERME9 we wish to cement and further this work but we also welcome contributions from across the board of research approaches.

Call for papers and poster proposals

We welcome research-based papers (max. 10 pages) and poster proposals (2 pages) primarily on:

- the teaching and learning of advanced university mathematics topics;
- mathematical reasoning and proof in university mathematics;
- transition issues “at the entrance” to university mathematics, or beyond;
- challenges for, and novel approaches to, teaching mathematics at university level (including the teaching of students in non-mathematics degrees);
- 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;
- assessing the learning and teaching of mathematics at university level;
- the preparation and training of university mathematics teachers;
- collaborative research between university mathematics teachers and researchers in mathematics education; and,
- theoretical approaches to research into the teaching and learning of university mathematics.

Papers and poster proposals should use the CERME word template, and conform to the guidelines at <http://www.cerme9.org/guidelines/guidelines-for-authors/>. To submit it, you need to email your paper as a WORD document to **Elena Nardi**, AND at the same time to the conference secretariat at submission@cerme9.org. In addition to the WORD document, please also send a PDF version.

Reviews and decisions

Each paper will be peer-reviewed by two individuals from those who submit papers to this Thematic Working Group. Please expect to be asked to review up to three papers yourself. It may be necessary for you to revise your paper before final acceptance. The group leaders will decide about the acceptance of posters.

Important dates

September 15, 2014: Deadline for submission of papers

October 1, 2014: Deadline for submission of poster proposals

November 25, 2014: Deadline for reviewers to submit their reviews

December 5, 2014: Decisions about paper or poster acceptance

December 20, 2014: Reduced fee registration deadline

January 10, 2015: Deadline for revisions of papers

January 20, 2015: Papers for presentation at the congress available on the CERME website