

CERME 9: Thematic Working Group 9

Mathematics and Language

Leaders

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Scope and focus of Thematic Working Group

Our field has reached consensus on the need to examine mathematics teaching and learning in relation to the conceptualisation, role and use of language in mathematical activity. Language provides a dynamic medium for constructing mathematical concepts, for communicating mathematically and for enabling mathematical thinking to evolve in interaction with others. This is why it is fundamental to consider and expand theoretical frames as well as analytical methods that contribute to the understanding of the collective and individual experiences of learners and teachers in classrooms, and more generally of all users of mathematics in educational settings. In taking the perspective of language in connection with mathematical activity, TWG9 aims to provide a forum for international discussion to further elaborate on solid research already done together with current studies from emerging approaches in the field.

Call for papers and poster proposals

We welcome papers (10 pages maximum) and poster proposals (2 pages) presenting philosophical and empirical works, reviewing research in the field from a variety of different theoretical and analytical approaches, and eventually including implications for the improvement of mathematics teaching and learning. Hence the scope of TWG9 is broad and any theme of relevance to the overall focus of the group will be considered. Of particular interest are papers and posters that address one or more of the following themes:

- Communication, interaction, and talk in the mathematics classroom.
- Teaching and learning mathematics in multilingual diverse settings.
- Mathematical language, registers, ordinary languages and their interplay.
- Discourse in the generation of meaning-making and mathematical practices.
- Multimodal communication and language use in mathematics teaching and learning.
- Semiotic perspectives in the study of mathematics teaching, learning and understanding.
- Theoretical and analytical frames for research on mathematics and language

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 **Nuria.Planas@uab.cat**, AND at the same time to the conference secretariat at **submission@cerme9.org**. If possible please also send a pdf version in addition to the WORD document.

Reviews and decisions

Each paper will be peer-reviewed by 2 persons from among those who submit papers to this TWG. Please expect to be asked to review up to 3 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