

CERME8: Working Group 9

Mathematics and Language

Leaders

Frode Rønning (Norway) frode.ronning@hist.no

Alain Mercier (France), Konstantinos Tátsis (Greece), and Núria Planas (Spain).

Scope and Focus of WG9

Language is a central component in the teaching and learning of mathematics. The importance of this research area has increasingly been recognised in recent years, both within the mathematics education community and, also among social scientists, educators and policy makers. The contributions from other disciplines like psychology, sociology, linguistics and semiotics, have illuminated hidden dimensions in the use of oral and written language in the classroom. As a consequence theoretical frames have been expanded and research methods have widened perspectives for the empirical studies. Many research problems however remain unsolved. This collaborative WG aims to provide a forum for dialogue to develop a better understanding of the various theoretical and methodological approaches to the study of language in connection with mathematical contents.

Call for papers and poster proposals

We welcome papers (10 pages maximum) and poster proposals (2 pages) presenting theoretical and methodological issues, reviewing research in the field, including implications for the improvement of mathematics teaching. Of particular interest are themes such as:

- The study of communication in mathematics classrooms (including multicultural settings),
- Multi-modal communication in mathematics teaching and learning,
- The role of semiotic systems and processes in the development of conceptualisation,
- The nature of semiotic systems and processes in mathematics and their interplay,
- Development of linguistic and /or communicative competence in mathematics,
- Teaching or curriculum strategies that promote use of language by learners.

Papers and poster proposals should use the CERME8 WORD template, and conform to the guidelines at http://www.cerme8.metu.edu.tr/author_guidelines.html To submit it, you must email your paper as a WORD document to Frode Rønning at frode.ronning@hist.no, AND at the same time to the conference secretariat at accerme8@metu.edu.tr If possible please also send a pdf version *in addition* to the WORD document.

Reviews and Decisions

Each paper will be peer-reviewed by three persons from among those who submit papers to this Working Group. Please expect to be asked to review up to three papers yourself between 15th September and 22nd October 2012. It may be necessary for you to revise your paper before final acceptance. Please reserve some time to do this in the second half of November. The group leaders will decide about the acceptance of posters.

Important dates

15th September 2012: Deadline for submission of papers.
1st October 2012: Deadline for submission of poster proposals.
22nd October 2012: Deadline for reviewers to submit their reviews.
1st December 2012: Deadline for revisions to papers.