

CERME8: Working Group 12

History in mathematics education

Leaders

Uffe Thomas Jankvist (Denmark) utj@ruc.dk

Kathy Clark (USA), Snezana Lawrence (UK), Jan van Maanen (The Netherlands).

Scope and Focus of WG12

The integration of history of mathematics in mathematics education has received much attention during the last decades. This attention is reflected by the many publications both in journals and books and the prominent activities at international conferences and meetings. However, empirical research and coherent theoretical/conceptual frameworks within this area have been emerging relatively recently. The purpose of this CERME WG is to provide a forum to approach mathematics education in connection with history, dedicated primarily to theory and research on all aspects of the role, effect, and efficacy of history as an element in mathematics education.

Call for papers and poster proposals

WG12 in particular welcomes empirical and theoretical research papers, but to some degree also methodological and developmental papers, (10 pages maximum) and poster proposals (2 pages) related to one or more of the following issues – although any paper/poster of relevance to the overall focus of the group will be taken into consideration:

1. Theoretical, conceptual and/or methodological frameworks for including history in mathematics education;
2. Relationships between (frameworks for and empirical studies on) history in mathematics education and theories and frameworks in other parts of mathematics education;
3. The role of history of mathematics at primary, secondary, and tertiary level, both from the cognitive and affective points of view;
4. The role of history of mathematics in pre- and in-service teacher education, from cognitive, pedagogical, and/or affective points of view;
5. Possible parallelism between the historical development and the cognitive development of mathematical ideas;
6. Ways of integrating original sources in classrooms, and their educational effects, preferably with conclusions based on classroom experiments;
7. Surveys on the existing uses of history in curricula, textbooks, and/or classrooms in primary, secondary, and tertiary levels;
8. Design and/or assessment of teaching/learning materials on the history of mathematics;
9. The possible role of history of mathematics/mathematical practices in relation to more general problems and issues in mathematics education and mathematics education research.

Papers and poster proposals should use the CERME8 WORD template, and conform to the guidelines at <http://cerme8.metu.edu.tr> To submit it, you must email your paper as a WORD document to Uffe Th. Jankvist at utj@ruc.dk, 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 at least two persons from among those who submit papers to this Working Group and the leaders. 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 make the final decision on 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.