

## **CERME 9: Thematic Working Group 13**

### **Early Years Mathematics**

#### **Leaders**

Maria G. (Mariolina) Bartolini Bussi (Italy): [bartolini@unimore.it](mailto:bartolini@unimore.it)

Esther Levenson (Israel), Ingvald Erfjord (Norway), Eugenia Koleza (Greece), Bożena Maj-Tatsis (Poland).

#### **Scope and focus of the Working Group**

Early Years Mathematics (EYM) concerns children aged 3-8, hence it spans pre-school and the early grades of primary school (although with a different transition age in different countries). Researching mathematics education during the early years is very complex and depends on several cultural and institutional constraints. In most European countries, children enter pre-school very early, yet the conception of schooling and mathematics in early years is different across countries. Teachers are usually generalist, i. e., with no specialization in mathematics. The contribution of scholars in neuroscience to the study of learning disorders (e.g. dyscalculia) and the need to diagnose them and to intervene as early as possible, has added the responsibility of identifying children at risk in this field, hence opening up a new strand of research.

#### **Call for papers and poster proposals**

We particularly welcome papers that report studies on:

a) the role of signs and tools, such as natural language, play, manipulatives and digital tools, in EYM; b) the transition between manipulation and different kinds of representations; c) activity and tasks design for EYM; d) the transition between pre-primary and primary school in EYM; e) becoming a learner at school; f) creativity in EYM; g) EYM and learning disorders (e. g., dyscalculia): early identification and intervention; h) the role of pre-school and primary school teachers (and other responsible adults) in EYM; g) challenges in EYM for professional teacher education and development.

We welcome contributions from across the above spectrum (from practitioners as well as from newcomers to the field) for deeper understanding of issues regarding EYM. We expect the authors to report systematic studies of EYM, to refer to the context where the studies have been carried out and to the relevant literature in the field.

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 **Mariolina Bartolini Bussi** ([bartolini@unimore.it](mailto:bartolini@unimore.it)) AND at the same time to the conference secretariat at [submission@cerme9.org](mailto: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 two persons from among those who submit papers to this Thematic Working Group and the leaders. Authors may be asked to review up to three papers. It may be necessary for authors to revise the 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