

## **First Announcement and Call for Papers**

### **ETC 4 - Fourth ERME TOPIC CONFERENCE:**

## **CLASSROOM-BASED RESEARCH ON MATHEMATICS AND LANGUAGE**

22–24 March 2018

Technische Universität Dresden, Germany

### **Rationale**

In the context of the ERME Handbook project, the survey work regarding two decades of ERME research in the domain of mathematics and language has shown the enduring dominance of classroom-based research. Since the beginning of ERME, in the group entitled 'Social interaction in mathematical learning situations' and in the group at present, 'Mathematics and language', the study of language has mostly meant studying mathematics classrooms as dynamic environments with multiple student-teacher and student-student interactions, along with the study of processes and methods to explore the nature of these interactions. This was clearly the case for the last CERME, where a large number of classroom-based papers were presented and discussed in the sessions of TWG09. On the other hand, a closer look at the contributions in CERME10 and former CERMEs reveals three major objects of study: the language of the learner, the language of the teacher and the classroom, and the language of mathematics. This is, interestingly, in line with the survey work by Austin and Howson more than four decades ago.

Despite some continuity in the classroom-based orientation of the domain and in the prevalence of three major objects of study, the ERME domain has changed in terms of complexity in the theories and frameworks used. In order to understand the contemporary domain and move the discussion forward, we need to review carefully this complexity. The proposal of an ETC is in this respect very timely. Intensive discussions framed by review work and new work in the domain have the potential to situate more recent work and directions in light of the progress and necessities of the domain. For a strong research environment, the participation of senior researchers together with post-doc and doctoral students is also pursued. From the perspective of knowledge development, young researchers in the domain need to learn, and learn to communicate, what is new in their studies and in what sense it is new, based on what is already known in the domain and in the broader field.

### **Organization**

The topic of ETC, 'Classroom-based research on mathematics and language' will be organized into three related subthemes (ST1, ST2, ST3) that will lead to three parallel working groups during the days of the Conference. The subthemes are three:

**ST1-** Classroom research on the language of the learner

**ST2-** Classroom research on the language of the teacher and the classroom

### **ST3- Classroom research on the language of mathematics**

The parallel discussions in working groups will take most of the time of the scientific programme (5 sessions of 2 hours each). There will also be two plenaries to set up the theme and a panel to formulate questions regarding the three subthemes.

#### **Call for papers**

The language for the conference and for the HAL proceedings will be English.

We welcome original papers (8 pages max.) and poster proposals (2 pages max.) regarding the established topic, with no more than one proposal per participant. Papers and posters must deal with one or more of the subthemes of the conference, but one primary subtheme must be identified (ST1, ST2 or ST3).

Each proposal will be peer-reviewed by at least two persons from among those who submit proposals. The IPC will finally decide about the acceptance according to: a) the quality of the work, b) the potential to contribute to knowledge regarding the conference topic, and c) the explicit fit with one of the subthemes.

The number of participants will be limited to 50. We especially encourage the participation of young researchers from a variety of countries and research traditions. Final participation will be by invitation to the authors of accepted contributions.

Please, email your proposal (in both Word and PDF files and using the current template for ERME Conferences) to Núria Planas ([Nuria.Planas@uab.cat](mailto:Nuria.Planas@uab.cat)) and Marcus Schütte ([Marcus.Schuette@tu-dresden.de](mailto:Marcus.Schuette@tu-dresden.de)). The file must be named as FIRST AUTHOR\_PRIMARY SUBTHEME.

#### **Deadlines**

Submissions of paper and poster proposals	<b>October 15, 2017</b>
Submission of reviews	November 20, 2017
Notifications of review decisions	December 20, 2017
Registration for the conference	January 15, 2018
Papers and posters on the conference website	March 10, 2018
Submission of revised papers and posters	April 30, 2018
Final decision of acceptance	May 30, 2018
Conference proceedings in HAL archive	July 1, 2018

#### **Committees**

##### International Program Committee

Núria Planas, Chair; Richard Barwell; Anna Chronaki; Thérèse Dooley; Jenni Ingram; Candia Morgan; Susanne Prediger; Frode Rønning; Marcus Schütte; Konstantinos Tatsis; Kerstin Tiedemann.

##### Local Organizing Committee

Marcus Schütte, Chair; Elisa Bitterlich; Birgit Brandt; Rachel-Ann Friesen; Jenni Ingram; Judith Jung; Núria Planas; Frode Rønning; Peter Ludes.