



TSG 28 Affect, beliefs and identity in mathematics education

Co-chairs:

Markku Hannula (Finland)
Francesca Morselli (Italy)

markku.hannula@helsinki.fi
francesca.morselli@unito.it

Team members:

Emine Erktin (Turkey)
Maike Vollstedt (Germany)
Qiao-Ping Zhang (Hong Kong)

IPC Liaison Person: Birgit Pepin (Norway)

Topic Study Group 28 in the ICME-13 is about Affect, beliefs and identity in mathematics education. Affective variables can be seen as either hidden or explicit factors that influence learning outcomes as well as pedagogical practice. The different research perspectives used in the study of affect include psychological, social, philosophical, and linguistic, and we welcome all these as well as other perspectives. In addition to the general domain "affect", the title of this Topic Study Group highlights two concepts that have been popular in the field of mathematics education: belief and identity. This should not be seen as restrictive. On the contrary, we invite discussion on all areas of affect, encompassing attitude, anxiety, beliefs, meaning, self-concept, emotion, interest, motivation, needs, goals, identity, norms, values etc. All of them play a crucial role in mathematics learning and teaching and they also have subtle difference. In addition, we welcome **the analysis of the mutual relationship between affective constructs and their connection to cognition and other constructs studied in mathematics education as well as the description of programs for promoting aspects of affect.**

The aims of TSG 28 at ICME-13 are:

- To present an overview of the state of the art in the research field of affect in mathematics education, both at the students' and the teachers' (pre-service or in-service) level.
- To identify new trends and developments in research and practice in these areas.
- To engage participants in a critical reflection of this research field and generate discussion of an agenda for future research on affect in mathematics education.

We expect that participants will engage in the review process prior to the conference, and we will nominate respondents to presentations in order to enable deeper levels of critical discussion during the conference.