

# IASE News October 2015

## Call for papers and posters - The 13th International Congress on Mathematical Education (ICME-13)

The 13th International Congress on Mathematical Education (ICME-13), to be held in Hamburg, Germany from 24 to 31 July 2016, seeks papers, posters, discussion groups, and workshops. Deadlines vary throughout October and November, so interested people should check the website at [icme13.org](http://icme13.org). Of particular interest to IASE members are Topic Study Group 14 on probability and Topic Study Group 15 on statistics. Topic Study Groups (TSG) hold four sessions during the conference that promote the discussion of a variety of perspectives on the theme of the Group. For instance, here is the plan for TSG 15, as submitted by co-chairs Dani Ben-Zvi ([dbenzvi at univ.haifa.ac.il](mailto:dbenzvi@univ.haifa.ac.il)) and Gail Burrill ([burrill at msu.edu](mailto:burrill@msu.edu)):

We expect to discuss academic work on major issues in statistics education research, such as: (a) theoretical issues in learning and teaching statistics; (b) learning and teaching statistics in school and at the tertiary level; (c) reinforcing the connection between statistics and probability, data and chance (especially considering the current curriculum situation in several countries); (d) the emergence and development of students' statistical reasoning, thinking, and literacy, e.g., developing students' reasoning about variability, or an aggregate view of data; (e) teachers' statistical knowledge and learning, and professional development of teachers; (f) innovative learning technology in statistics education; and g) research priorities in statistics education.

The submission process, deadlines and all the information about the conference is included in the Second Announcement which is available at: <http://icme13.org/announcements/second>

## Call for Submissions - IASE Roundtable Conference

The IASE Roundtable conference is an invitational conference held every four years, usually just before ICME. The 2016 conference will be held at the Max Planck Institute for Human Development in Berlin, Germany, from 19 to 22 July 2016. The 2016 roundtable theme is "Promoting understanding of statistics about society." To expand on the theme, here is a description from the conference website (<http://iase-web.org/conference/roundtable16/>):

Data on important societal topics are becoming increasingly accessible to the general public and to individual citizens or social action groups, on a huge range of topics such as migration, employment, social (in)equality, demographic changes, crime, poverty, access to services, energy usage, living conditions, health and nutrition, education, human rights, and many others. Understanding of such issues is essential for civic engagement in modern societies, but involves statistics that often are open, official, multivariate in nature, and/or dynamic, which are usually not at the core of regular statistics instruction. However, making sense of these data requires the ability to explore, understand, and reason about complex multivariate data, because social phenomena do not happen in a vacuum, and their understanding requires awareness of how variables co-vary, or affect each other, or are situated in a network of causal factors and may change over time in complex ways. Understanding statistics about society is not easy. In many countries, the statistics curriculum at high school and university does not prepare students to reason from such data or to deal with statistical ideas and methods that are used to analyse or report about such data. ... Our ambition is to promote curriculum reform in statistics education that will broaden the skills that students acquire, in order to make them not only better as statisticians or in understanding statistics (if they are non-majors and only taking an introductory course), but also more empowered citizens who can take an active or more informed role in civic life.

At the conference, participants will undertake one of multiple roles - paper presenter, workshop lesson teacher, poster presenter, discussant on a paper, or group leader preparing a conference discussion summary. Deadlines vary based on the role, but the earliest one is November 1. See the Guidelines for Submission ([http://iase-web.org/conference/roundtable16/notices/IASE%20Roundtable%202016%20-%20Guidelines\\_for\\_Submission.pdf](http://iase-web.org/conference/roundtable16/notices/IASE%20Roundtable%202016%20-%20Guidelines_for_Submission.pdf)) for more details.