

### THIRD ANNOUNCEMENT

Topic Study Group 34, ICME12, SEOUL KOREA

WFNMC Vice President, Ali Rejali, and President, María de Losada, have been named co-chairs of Topic Study Group 34: *The role of mathematical competitions and other challenging contexts in the teaching and learning of mathematics* at ICME12.

The group will address the following areas of research and action.

- ◆ The development of strategies and tools for incorporating challenging mathematics in schools and regular classes and on the way in which these are given direction by teachers, text books, educational systems and curricula, on extracurricular activities in schools (or by other contexts and aspects not listed here) as well as on research focusing on their impact.
- ◆ Challenges developed for implementation beyond the classroom such as journals, books, competitions at different levels -including the different regional and international Olympiads-, exhibitions, mathematics clubs, mathematics houses, lectures, camps, corresponding programs, mathematics days, fairs, family programs, as well as on research regarding the above items and similar tools
- ◆ Preparation programs for competitions and different types of recognition given to outstanding students and teachers.
- ◆ Innovative competitions or other innovative mathematical challenges throughout the world
- ◆ New activities and research on programs that provide mathematical challenge, with students as their main focus
- ◆ Analysis of the ways in which competitions and other challenging activities contribute to the motivation of students towards the study of mathematics.
- ◆ Analysis of relationships between technological environments and challenging tasks, and of the impact of challenges focusing on students, classroom practice, assessment, as well as research addressing such analyses
- ◆ Analysis of ways of providing an enveloping challenging atmosphere for students to learn mathematical subjects and to be engaged in mathematical studies.
- ◆ Follow up research on the discussions which took place at previous ICME's, especially DG19 at ICME-11

(<http://dg.icme11.org/tsg/show/20>).

Make ICME-12 and TSG 34 part of your summer, 2012 agenda!