

## WORKSHOP

### HABERMAS' ELABORATION ON RATIONALITY AND MATHEMATICS EDUCATION

Genoa, April 9-10-11 – DIMA Università di Genova, Via Dodecaneso 35

#### **SECOND ANNOUNCEMENT**

The aim of the workshop will be to compare, discuss and (hopefully) collaboratively develop different ways of adapting Habermas' elaboration on rationality to specific needs in the field of mathematics education:

- to support the analysis of the content to be taught, particularly in teacher education, and, more generally, to look at mathematics and other disciplines as culturally situated rational discursive practices;
- to provide components of frameworks for the design of teaching projects and teaching sequences, aimed at the development of students' rational behavior;
- to analyze classroom implementations of such projects (on the side of the teacher, and on the side of the students);
- to analyze the conditions under which argumentation (a crucial component of rational discursive practices) may be developed in the school context.

The workshop is conceived as an authentic "workspace", where some colleagues from different countries and research traditions will present pieces of their research inspired by Habermas' elaboration on rationality and related issues, and participants will contribute to focus on specific points of interest for them, in the perspective of opening future collaborations.

#### **Program**

<b>April 9</b>	<b>9 -13</b>	Introduction to the Workshop; reading of selected pages from Habermas' chapter on Communicative Rationality, putting into evidence possible connections with various mathematics education issues and problems (Paolo Boero & Francesca Morselli, I); more about Habermas' work (Jenny Cramer, DE); contribution on Habermas' " <i>accountability</i> " and " <i>objective world</i> " (Miglena Asenova, I)
	<b>15-18:30</b>	Contributions (AnnaMarie Conner, USA; Francesca Morselli and Annalisa Cusi, I) and discussion on the adaptation of Habermas' elaboration on rationality and related issues, with a focus on the role of the teacher.
<b>April 10</b>	<b>9-12:30</b>	Contributions (Paolo Boero & Fiorenza Turiano, I; Esther Levenson (IL) & Francesca Morselli (I)) and discussion on the long term development of rational behavior in the classroom
	<b>14:30-18</b>	Contributions (Jenny Cramer (DE), Francesca Granone (NO)) and discussion on the conditions for the development of students' rational behavior, with a special focus on argumentation in Habermas' perspective.
<b>April 11</b>	<b>9-12:30</b>	Contributions (Laura Branchetti & Giulia Tasquier, I; Paolo Boero, I) and discussion on rationality as a tool to compare disciplines and disciplinary domains within a discipline, and the related educational aspects.
	<b>14:30-17:30</b>	General discussion on the issues & problems raised during the previous sessions; possible outline of long term collaborative work; Proceedings of the Workshop.