



## International Conference Call for Papers

# MATHEMATICS AND TECHNOLOGY IN THE BODY OF EDUCATION THE GENDER PERSPECTIVE

18-19 December 2007, University of Thessaly, Volos, Greece

### Conference Focus

Sciences and in particular technology and mathematics embody the modernist dream of power, progress and development through either educational and/or everyday practices that aim to tame the human body and to cultivate the mind towards the capacity of logical thinking. There is growing evidence that people have limited participation in studying mathematics and technology due to gender, ethnicity and class. In particular, sciences and education –as human science- are seen as two distinct and dichotomized worlds. Whilst scientific practices are being viewed as 'hard' and masculine, education is approached as 'soft' and feminine. What is, then, happening when mathematics and technology, two traditionally masculine fields of knowledge, enter the 'body' of education? Do they remain 'masculine' bodies of knowledge or do they become feminized or even hybrid subject areas? What might be the effects of a 'masculine', 'feminine' or 'hybrid' approach on science teaching and learning, as well as on human minds and bodies? How dominant scientific discourses are being re-contextualised in educational practices and how a gendered analysis can assist efforts in realizing hybridity, diversity, dialogicality as alternative voices in school science?

The conference is part of a research project that addresses the issue of school mathematics and technology and aims to address the current thinking and research on gender, mathematics and technology as they interact within the body of education. The scope of the conference includes –but is not limited- the topics detailed below:

- Embodied Approaches on Gender and/or Science
- Masculinities, Femininities, Hybridities and Scientific Knowledge
- Social Perspectives, Science and Technology Studies and Critical Discourse Analysis on Gender and/or Science
- Gendered Bodies, Identities, Subjectivities and Scientific Discourse(s)
- Gender, Mathematics, Technology and the School Curriculum
- Gender, Communication, Language, Discourse, Dialogue, Dialogicality and the School Curriculum
- Gender, Race, Class and Scientific Discourse(s) in Education
- Self-image, Self-regulation, Self-efficacy, Gender, and Sciences in Education

### Keynote Speakers

**Sal Restivo**, Dept. of Science & Technology Studies and Information Technology Program, Rensselaer Polytechnic Institute, NY, US

**Barbara Allen**, Graduate Program in Science and Technology Studies, Virginia Tech, US

**Heather Mendick**, Institute for Policy Studies in Education, London Metropolitan University, UK

### Submission of Paper-Abstracts

The conference comprises mainly full papers. Paper abstracts of 1500 words should be submitted electronically to [gmt@uth.gr](mailto:gmt@uth.gr) by 10 October 2007.

These extended abstracts should detail the aim, the theoretical framework, the method, the main findings and the conclusions of the research work. The authors of full papers are expected to give an oral presentation of about 20 minutes

### Important Dates

- 10 October 2007 Submission of paper abstracts
- 30 October 2007 Notification of paper acceptance
- 10 November 2007 Final conference program

### Conference Organizing Committee

**Anna Chronaki**, Associate Professor, University of Thessaly, Dept of Early Childhood Education, Greece (chair)

**Maria Rentetzi**, Assistant Professor, Department of Humanities, Social Sciences and Law Faculty of Applied Mathematics and Physical Sciences, National Technical University of Athens, Greece

**Anastasia Stamou**, Adjunct Lecturer, University of Western Macedonia, Department of Early Childhood Education, Florina, Greece

**Ioanna Vekiri**, Adjunct Lecturer, University of Thessaly, Department of Primary Education, Greece

**Ioannis Pextelidis**, Lecturer, University of Thessaly, Department of Early Childhood Education, Greece

### Secretariat

**Aggeliki Zioga**, [agzioga@uth.gr](mailto:agzioga@uth.gr)

**Magda Drimonitou**, [drimonitou@uth.gr](mailto:drimonitou@uth.gr)

### Conference Venue

The conference takes place and is hosted by the University of Thessaly, Volos, <http://www.uth.gr/>, Dept of Early Childhood Education, **Research Unit: Learning Technologies and Mathematics Education**

### Contact

Email [gmt@uth.gr](mailto:gmt@uth.gr), Web <http://gmt.ece.uth.gr/>

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