



The role of history of Mathematics in Mathematics Education (TSG 23)

Organizing Team

Chairs :

Abdellah El Idrissi (Morocco) < a_elidrissi@hotmail.com >

Antônio Miguel (Brazil) < miguel@unicamp.br >

Fulvia Furinghetti (Italy) < furinghetti@dima.unige.it >

Members:

Evelyne Barbin (France) < evelyne.barbin@wanadoo.fr > and
< evelyne.barbin@univ-nantes.fr >

Alejandro Garciadiego (Mexico) < gardan@servidor.unam.mx >

and < alejandro.garciadiego@gmail.com >

Monday 7th	
Chair	Abdellah El Idrissi
13- 13:35	Invited talk: Constantinos TZANAKIS (Greece), <i>Contributions from the study of the history of statistics in understanding students' difficulties for the comprehension of the Variance</i>
13: 35- 14	Adriana Cesar de MATTOS (Brazil), <i>The process of recognition in the history of mathematics</i>
Wednesday 9th	
Chair	Alejandro Garciadiego
12:30 – 13:05	Invited talk: Louis CHARBONNEAU (Canada), <i>Astronomical and mathematical instruments as pedagogical tools</i>
13:05- 13:30	Snezana LAWRENCE (UK), <i>History of mathematics making its way through the teacher networks: professional learning environment and the history of mathematics in mathematics curriculum</i>
13:30- 14	Liliana MILEVICICH & Alejandro LOIS (Argentina), <i>The teaching and learning of integral calculus from a historical perspective</i>
Friday 11th	
Chair	Constantinos Tzanakis
12:30 – 13:05	Invited talk: Uffe Thomas JANKVIST (Denmark), <i>On Empirical Research in the Field of Using History in Mathematics Education.</i>
13:05 – 13:30	Lenni HAAPASALO (Finland), <i>On instrumental genesis within procedural and conceptual thinking</i>
Saturday 12th	
Chair	Fulvia Furinghetti
12- 12:30	Invited Talk: Bjørn SMESTAD (Norway), <i>Student projects on history of mathematics</i>
12:30- 13:15	<i>General discussion</i>
13:15- 13:30	Invited of Honor: Ubiratan D'AMBROSIO , (Brazil) <i>Synthesis</i>
	<i>Closure</i>



LIST OF ALL CONTRIBUTORS OF THE TSG23

INVITED SPEAKERS

Louis CHARBONNEAU, *Astronomical and mathematical instruments as pedagogical tools*

Bjørn SMESTAD, *Student projects on history of mathematics*

Constantinos TZANAKIS, *Contributions from the study of the history of statistics in understanding students' difficulties for the comprehension of the Variance*

Uffe Thomas JANKVIST *The role of the history of mathematics in mathematics education*

Ubiratan D'AMBROSIO, *Synthesis*

ORAL CONTRIBUTIONS

Adriana Cesar de MATTOS, *The process of recognition in the history of mathematics*

Lenni HAAPASALO, *On instrumental genesis within procedural and conceptual thinking*

Snezana LAWRENCE *History of mathematics making its way through the teacher networks: professional learning environment and the history of mathematics in mathematics curriculum -*

Liliana MILEVICICH & Alejandro LOIS *The teaching and learning of integral calculus from a historical perspective*

WRITTEN CONTRIBUTIONS

Diego Pareja HEREDIA, *The Huge Gap between Math Education and the front of Mathematics*

Slim MRABET, *The development of Thales theorem throughout history*

Gladys Denise WIELEWSKI, *Two cultures of mathematics in historical and educational perspective*