

**ICHME-5 September 19-22, 2017**

**Program**

Tuesday, September 19			
8.30-9.00	Registration		
9.00-9.15	Opening, Welcome and Announcements		
9.15-9.55	Opening Lecture	<i>A millennium of math education in the Netherlands, 1215 – 2000.</i>	Danny Beckers (Free University, Amsterdam)
9.55-10.25	<i>Methodology</i>	Structural history versus biographical history – the case of the Prussian reforms of 1810.	Gert Schubring
10.25-10.45	Coffee/Tea Break		
10.45-12.25	<i>Transmission of ideas</i>	Didier Henrion and the transmission of Dutch mathematics in Paris. Educating the Irish: the mathematician and engineer John Gregory (1783-1880). Publishers, booksellers and librarians. Invisible strings of mathematics education circulations between France and the United States (1815-1875). From the circulation of ideas about the teaching of mathematics to its institutionalization in teacher training (1890-1970) - the role of experts.	Frédéric Metin Eisso Atzema Thomas Preveraud Rosilda dos Santos Morais
12.25-14.00	Lunch Break		
14.00-15.15	<i>Geometry</i>	The heritage of Cartesian geometry in Elements from Arnauld to Lacroix. Fusionism in Italy and Europe: a didactic fashion or a research on the foundation of mathematics? Peter Treutlein and his "Anschauungsunterricht" in the context of the "Meraner Reform" and the development of Intuitive Geometry.	Évelyne Barbin Maria Teresa Borgato Ysette Weiss
15.15-15.40	Coffee/Tea Break		
15.40-16.55	<i>Mathematics education in specific countries</i>	Teaching mathematics in Moroccan high schools in the past fifty years. On the history of mathematical education in Italy. Mathematical reasoning in trigonometric proofs in early 19th century textbooks from Norway and Denmark.	Ezzaim Laabid Luigi Pepe Andreas Christiansen

Wednesday, September 20			
9.00-10.40	<i>Teacher education</i>	The constitution of knowledge to teach arithmetic in school textbooks (1870-1930). Mathematics for women in teacher training schools in the late nineteenth century in Spain. Norms and practices of secondary teachers' formation. The case of Portugal (1915-1930) Arithmetical concepts in mathematics textbooks for teacher training at the beginning of the Normal school in Costa Rica (1914-1970).	Viviane Maciel  Luis Puig  José Matos, Ana Santiago Miguel Picado
10.40-11.00	Coffee/Tea Break		
11.00-12.15	<i>Mathematics education prior to 1800</i>	Let them speak; hear them speak ... — old Chinese wisdom on mathematics education. Mathematical astronomy for a brilliant student in the 13th century. On mathematics education in Poland prior to 1800 – from Vitellonis's geometry to the phenomenon of the Polish Commission of National Education.	Man Keung Siu  Jan Hogendijk Ewa Lakoma
12.15-14.00	Lunch Break		
	<b>Teachers and students are invited</b>		
14.00-15.15	<i>The 1960s</i>	<Mathématique moderne>: a pioneering Belgian textbook series shaping the New Math reform of the 1960s. Views on usefulness and applications during the Sixties. Calculus behind the dykes.	Dirk de Bock  Bert Zwaneveld Martin Kindt
15.15-15.35	Coffee/Tea Break		
15.35-16.50	<i>Dutch mathematics education and educators in the 20<sup>th</sup> century.</i>	The emergence of meaningful geometry in the Netherlands during the 20th century. Dutch mathematics teachers associations in the period 1920 – 1940. The mathematic teachers' journal <i>Euclides</i> in the Netherlands in change, 1945-1976.	Michiel Doorman  Harm Jan Smid Martinus van Hoorn
16.50-17.10	Coffee/Tea Break		
17.10-18.00	<i>Dutch mathematics education and educators, 1750-1820</i>	Jacob de Gelder and his teaching of cubic equations. The use of differentiation by school teachers around 1750.	Henk Hietbrink Jenneke Krüger

Thursday, September 21			
9.00-10.40	<i>Influential people and their ideas</i>	<p>Mathematical instruction at St. Patrick's College Maynooth, 1795-1847.</p> <p>Pedagogical value of abacus and its use in teaching and learning arithmetic in the 19<sup>th</sup> - early 20<sup>th</sup> century.</p> <p>Polya and Dienes: two men of one mind or one culture?</p> <p>Anton Dakitsch collection: the scope of mathematics teaching in Brazilian industrial education in the 1950s.</p>	<p>Ciarán Mac an Bhaird</p> <p>Viktor Freiman, Alexei Volkov</p> <p>Agnes Tuska, András Benedek</p> <p>Regina de Cassia Manso de Almeida</p>
10.40-11.00	Coffee/Tea Break		
11.00-12.40	<i>Arithmetic</i>	<p>John Leslie's view of arithmetic and its relevance to modern pedagogy.</p> <p>Problems in the teaching of arithmetic: records in French school notebooks (1870-1914).</p> <p>Textbooks in mental arithmetic – obstacles and attitudes of influential persons.</p> <p>Daily life traits in arithmetic word problems: a glance on 1950s school notebooks.</p>	<p>Patricia Baggett,</p> <p>Andrezj Ehrenfeucht</p> <p>Luciane de Fatimai Bertini</p> <p>Kristin Bjarnadóttir</p> <p>Elisabete Zardo Búrigo</p>
12.40-12.55	Announcements concerning	Excursions and Conference Diner	
Afternoon	Excursions		
20.00-22.00	Conference dinner		

Friday, September 22			
9.15-10.30	<i>Concepts and language in manuals and textbooks</i>	Attitudes to intuition in calculus textbooks. Varieties of mathematical discourse in England at the beginning of industrial revolution, 1650-1750. Structures of text and technical vocabulary of pre-modern arithmetical manuals and their relationship with the use of computing devices.	Viktor Blasjö Leo Rogers  Alexei Volkov, Viktor Freiman
10.30-11.00	Coffee/Tea Break		
11.00-12.15	<i>Ideas on the teaching of mathematics as apparent in journals and textbooks</i>	The history of trigonometry teaching in Greece (1836-present). Arithmetic in Joan Benegam's <i>la Enseñansa Racional</i> (1888). On the official approval of textbooks in mathematics in Russia during the 1820s-1830s	Magdalini Lada Antonio Oller Alexander Karp
12.15-12.40	Closing Ceremony and Farewell		