



Conference: "Modern Geometry and its Foundations" Online

Date: January 13-15, 2022
Online Conference on Zoom (CET)

Organized by: Georg Schiemer (University of Vienna)
Eduardo Nicolás Giovannini (University of Vienna)
and Günther Eder (University of Vienna)

Zoom Link:

<https://univienna.zoom.us/j/91584523987?pwd=MzIOMldidHFOM3JOaWg3OW1na3kxUT09>

Meeting-ID: 915 8452 3987

Code: 375929

Day 1 Thursday January 13, 2022	
11:00 – 11:15	Opening
11:15 – 12:15	Paola Cantù (Aix-Marseille Université and CNRS, FRA) <i>"Formalism and Geometry in Peano and Enriques".</i>
12:15 – 12:30	Break
12:30 – 13:30	Joan Bertran-San Millán (University of Lisbon, POR) <i>"Peano's geometry: From empirical foundations to abstract development".</i>
13:30 – 15:30	Break
15:30 – 16:30	Francesca Biagioli (Università degli Studi di Torino, ITA) <i>"Federigo Enriques and Felix Klein on Mathematical Concept Formation".</i>
16:30 – 16:45	Break
16:45 – 17:45	Sébastien Gandon (Blaise Pascal University, FRA) <i>"Norbert Wiener's early papers on the foundations of geometry. Axiomatics, construction and statistics".</i>
17:45 – 18:00	Break
18:00 – 19:00	Elena Anne Corie Marchisotto (California State University, Northridge, USA) <i>"H.S.M. Coxeter's Theory of Accessibility as a Catalyst for the Exploration of Planes without Continuity and the Work of Mario Pieri in Synthetic Projective Geometry".</i>



Day 2	
Friday January 14, 2022	
11:15 – 12:15	Vincenzo De Risi (Université Paris-Diderot – CNRS, FRA) <i>"The Discovery of Non-Euclidean Geometry and the Beginnings of Modern Mathematics".</i>
12:15 – 12:30	Break
12:30 – 13:30	Daive Crippa (Centre for Science, Technology and Society Studies, CZ) <i>"Bolzano's Early Research on Elementary Geometry".</i>
13:30 – 15:30	Break
15:30 – 16:30	Andrew Arana (Université de Lorraine, FRA) and Heather Burnett (CNRS, Université de Paris) <i>"Mathematical hygiene: a case study of Cartesian geometry".</i>
16:30 – 16:45	Break
16:45 – 17:45	Tabea Rohr (Université de Lorraine, FRA) <i>"The distinction between analytic and synthetic geometry from an axiomatic point of view".</i>
17:45 – 18:00	Break
18:00 – 19:00	James Tappenden (University of Michigan, USA) <i>"Frege, Contact Transformations and General Duality in 1895-1906".</i>



Day 3	
Saturday January 15, 2022	
11:15 – 12:15	Paolo Mancosu (UC Berkeley, USA) <i>"How many points are in a segment? From Grosseteste to the theory of numerosities".</i>
12:15 – 12:30	Break
12:30 – 13:30	Walter Dean (University of Warwick, GB) <i>"On geometric consistency from the finitary standpoint".</i>
13:30 – 15:30	Break
15:30 – 16:30	Fiona T. Doherty (Bios Centre London, GB) <i>"Hilbertian structuralism in the philosophy of science".</i>
16:30 – 16:45	Break
16:45 – 17:45	John T. Baldwin (University of Illinois at Chicago, USA) and Andreas Mueller (Independent Scholar, USA) <i>"Reflections on the DeZolt axiom: Mathematical, Philosophical and Historical".</i>

45-minute presentation followed by 15 minutes for questions on topic.

For further information visit: <https://structuralism.phl.univie.ac.at/> or contact florian.kolowrat@univie.ac.at