

Canadian Society for History and Philosophy of Mathematics

La Société Canadienne d'Histoire et de Philosophie des Mathématiques

Preliminary Program—Annual Meeting—York University—May 28–30, 2023

All sessions are tentatively scheduled for Ross Building, Room RS-174.

Sunday, May 28, 2023

9:45-10:00 AM **Opening Remarks** by CSHPM President Nic Fillion

History of Mathematics Before 1600

10:00 AM-10:30 AM **David Buckle**, *The Babylonians and π*

10:30 AM-11:00 AM **Henryk Fukś**, Brock Univ., *Mathematics of the Gregorian reform – a look at the ecclesiastical moon*

11:00 AM-11:30 AM **Jeffrey Oaks**, Univ. of Indianapolis, *Zero and nothing in medieval Arabic arithmetic*

11:30 AM-12:00 PM **Kailyn Pritchard**, Simon Fraser Univ., *Georg Rheticus' Canon doctrinae triangulorum*

12:00 PM- 2:00 PM Lunch Break

Philosophy of Mathematics: Practice and Applications

2:00 PM-2:30 PM **Zoe Ashton**, The Ohio State University, *New Objections to the Standard View of Rigor*

2:30 PM-3:00 PM **Christopher Beer**, Independent Scholar, *Mathematical Homonyms*

3:00 PM-3:30 PM **Nic Fillion**, Simon Fraser Univ., *The Demon's Masterclass*

3:30 PM-3:45 PM Coffee Break

3:45 PM-4:15 PM **Toby Reid**, Univ. of Toronto, *The Practice of Relativistic Cosmological Modeling as an Entifying Technology of Theory*

4:15 PM-4:45 PM **Kino Zhao**, Simon Fraser Univ., *Limitations of the Garbage In – Garbage Out (GIGO) framework in data-processing*

Monday, May 29, 2023

History of Mathematics University Courses/Modules

8:45 AM-9:15 AM **Sylvia Nickerson**, Univ. of Toronto, *Representing Mathematics using Creative Visual Methods*

9:15 AM-9:45 AM **Fionntan Roukema**, Univ. of Sheffield, *A History of Undergraduate History of Mathematics in the United Kingdom*

9:45 AM-10:00 AM Break

Special Session: Underrepresented Mathematics

10:00 AM-10:30 AM **Amy Ackerberg-Hastings**, MAA Convergence, *Teaching Underrepresented Students in the 19th Century: The Reactions of Black American Pupils and Teachers to Charles Davies's Textbooks*

10:30 AM-11:00 AM **Madeline Muntersbjorn**, Univ. of Toledo, *Heavy Issues: Bob Moses & the Algebra Project*

11:00 AM-11:30 AM **Jean-Charles Pelland**, Univ. of Bergen, *Which number is that? On notational privilege*

11:30 AM-12:00 PM **Ximena Catepillán and Cynthia Huffman**, Millersville University and Pittsburg State University, *Ethnomathematics: the intersection of culture, history, and mathematics*

12:00 PM-2:00 PM **Association General Meeting (AGM)**, lunch served

2:00 PM-3:00 PM

2023 Kenneth O. May Lecture

Tod Shockey, Univ. of Toledo

Fettweis, D'Ambrosio, Ethnomathematics: 90 Years Later, Almost

3:00 PM-3:15 PM Break

History of Mathematics, 1600–1800

3:15 PM-3:45 PM **Rob Bradley**, Adelphi Univ., *Did Varignon's Eclaircissements Really Clarify l'Hôpital's Analyse?*

3:45 PM-4:15 PM **Lawrence D'Antonio**, Ramapo College of New Jersey, *Puppy Love: Isaac Newton and John Flamsteed*

4:15 PM-4:45 PM **Maria Zack**, Point Loma Nazarene University, *Blaise Pascal and the Roulette*

5:00 PM-7:00 PM President's Reception

Tuesday, May 30, 2023

History of Mathematics After 1800

8:45 AM-9:15 AM **Christopher Baltus**, SUNY Oswego, *Figures in Motion: Geometric transformations in school mathematics 1874–1906*

9:15 AM-9:45 AM **Craig Fraser**, Univ. of Toronto, *Variation and Optimization in Carl Jacobi's Analysis*

9:45 AM-10:15 AM. **Roger Godard**, Royal Military College of Canada, *The marvelous Laplace equation and its applications in mathematical physics and in numerical analysis*

10:15 AM-10:45 AM **Andrew Perry**, Springfield College, *The Extraordinary Legacy of Stefan Banach*

10:45 AM-11:00 AM Coffee Break

Logic and Philosophical Foundations of Mathematics I

11:00 AM-11:30 AM **Bernd Buldt**, Purdue University Fort Wayne, *Do we have a good structuralist account of what an open set is?*

11:30 AM-12:00 PM **Tom Drucker**, University of Wisconsin–Whitewater, *Intuitionism and the Constructive Spirit*

12:00 PM-2:00 PM Lunch Break

Logic and Philosophical Foundations of Mathematics II

2:00 PM-2:30 PM **Greg Lavers**, Concordia Univ., *Russell, Gödel and Mathematical Platonism*

2:30 PM-3:00 PM **Milos Mihajlovic**, Simon Fraser Univ., *Two kinds of conditionals in Stoic logic: did "the fourth conditional" belong to the Stoics?*

3:00 PM-3:30 PM **Chris Mitsch**, Univ. of Pittsburgh, *On Hilbert's So-Called Instrumentalism*

3:30 PM-3:45 PM Concluding Remarks