

**CSHPM 2022, May 13-15, at CFHSS Online Congress:
Preliminary Programme.**

Note: All times are Eastern Daylight Time. Subtract 3 hours for Pacific Daylight Time; add five hours for British Summer Time (BST), etc.

Special Session: Friday, May 13, 2022

Original Sources in the History and Philosophy of Mathematics / Sources originales en histoire et philosophie des mathématiques

Session 1 Conference Welcome and May Lecture
A CFHSS Congress Open Session

10:00 AM Welcome by Craig Fraser (President of CSHPM/SCHPM)

10:15 AM Annual Kenneth O. May Lecture: **Emmylou Haffner**, École Normale Supérieure, PSL, *Going to the source(s) of sources in mathematicians' drafts*

11:30 AM BREAK

Session 2

12:00 PM **Mario Bacelar Valente**, Pablo de Olavide University, *Ancient Greek mathematical proofs and metareasoning*

12:30 PM **Craig Fraser**, University of Toronto, *Original Sources in Research Mathematics: The Case of Hamilton-Jacobi Theory circa 1900*

1:00 PM **Julia Tomasson**, Columbia University, *Reading Uqlidis in New York: The Making and Unmaking of "The Arabic Euclid" in Columbia University's Rare Book and Manuscript Library*

1:30 PM BREAK

Session 3

2:30 PM **Emily Hamilton**, University of Massachusetts, Amherst, *It's 6am. Do You Know Where Your Calculus Teacher Is?*

3:00 PM **Valérie Lynn Therrien**, McGill University, *The Evolution of Cantor's Proofs of the Non-Denumerability of \mathbb{R}*

3:30 PM **Cynthia Huffman**, Pittsburg State University, *Mathematical and Philosophical Imagery in Original Sources Related to Émilie du Châtelet*

4:00 PM **Glen Van Brummelen**, Trinity Western University, *Hidden in the Manuscripts: How Bianchini's Texts were Read and Used*

4:30 PM BREAK

Session 4

5:00-6:00 PM Informal Discussion Time/ Social Hour

General Session: Saturday, May 14 and Sunday, May 15, 2022

Papers on any subject relating to the history of mathematics, its use in the teaching of mathematics, the philosophy of mathematics, or a related topic. / Présentations sur n'importe quel sujet portant sur l'histoire des mathématiques, son utilisation dans l'enseignement des mathématiques, sur la philosophie des mathématiques, ou sur tout autre sujet connexe.

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General Session I: Saturday, May 14, 2022

Session 5 *History of/in Mathematics Education; Histoire de/dans l'enseignement des mathématiques*. A CFHSS Congress Open Session

Session Chair: David Bellhouse

10:00 AM - 10:20 AM Snezana Lawrence, Middlesex University, *The history of 'humanising' mathematics - a whistle tour of historical examples*

10:20 AM - 10:40 AM Jorge Nuno Silva, University of Lisbon, *Who was able to perform multiplication and division of large numbers by the year 1 CE? And by the year 1000 CE?*

10:40 AM - 11:00 AM David Dunning, Oxford Univ, *Constructing the 'Home-side' of a Scientific Legacy: Mary Everest Boole, Pedagogy, and Domesticity*

11:00 AM - 11:20 AM David Orenstein, Danforth CTI, Emeritus, *The 1992 Quebec City International Congress on Mathematical Education (ICME) / Le Congrès international sur l'enseignement des mathématiques (CIEM) de 1992 à Québec*

11:20 AM - 12:00 PM Panel Discussion, Followed By General Discussion and Questions (Snezana Lawrence, Jorge Nuno Silva, David Dunning, David Orenstein)

12:00 PM BREAK

Session 6

12:30 PM Jean-Charles Pelland, University of Bergen, *Recipes for talking about mathematical progress*

1:00 PM José Antonio Pérez Escobar, École Normale Supérieure Paris, Paris Sciences et Lettres, *Showing mathematical flies the way out of foundational bottles: the later Wittgenstein as a forerunner of Lakatos and the philosophy of mathematical practice*

1:30 PM Nicolas Fillion, Simon Fraser University, *Pedagogy and curriculum in intermediate logic courses*

2:00 PM Patricia Marino, University of Waterloo, *On the Use of Mathematics in Economics: Formalism, Fit, and Physics*

2:30 PM BREAK

Session 7

3:00 PM **G. Arthur Mihram and Danielle Mihram**, University Southern California, *Limited Roles for Mathematics in Science and in Academic Curricula*

3:30 PM **Chanwoo Lee**, University of California, Davis, *Foundation as Scaffolding*

4:00 PM **Iman Ferestade**, Simon Fraser University, *Do engineers really know what they are doing?*

4:30 PM BREAK

Session 8

5:00-6:00 PM Informal Discussion Time/ Social Hour

General Session II: Sunday, May 15, 2022

Session 9

10:00 AM **Gregg De Young**, American University in Cairo, *Changing perspectives on the medieval transmission of Euclid's Elements*

10:30 AM **Hassan Amini**, University of Tehran, *Codex Paris 772 as a source for History of Mathematics*

11:00 AM **Maria Zack**, Point Loma Nazarene University, *Blaise Pascal, Amos Dettonville, and the Roulette*

11:30 AM BREAK

Session 10

12:00 PM **Amy Ackerberg-Hastings**, Convergence, *Comparing the Histories of Professional Societies for Women in STEM*

12:30 PM **David Bellhouse**, University of Western Ontario, *The Evolution of the Field of Statistics: A Case Study from Twentieth-century Manitoba*

1:00 PM **Dirk Schlimm and David Waszek**, McGill University and CNRS, Archives Henri Poincaré - Nancy, France, *John Venn's pluralism regarding logical forms*

1:30 PM BREAK

Session 11

2:00 PM **J.J. Tattersall and S.L. McMurrin**, Providence College and California State University, San Bernardino, *Cambridge Women's Research Club*

2:30 PM **Ruigang (Paul) Xu**, McGill University, *Hugh MacColl and Counterpossibles*

3:00 PM **Christopher Baltus**, SUNY Oswego, *Was Jacob Steiner a cofounder of projective geometry?*

3:30 PM *BREAK*

Session 12

4:00- 6:00 PM Annual General Meeting (AGM)