

Canadian Society for History and Philosophy of Mathematics

Thursday, June 4, 2026 Location: McCain Room 2102

8:45 AM - 9:00 AM Welcome from CSHPM President Rob Bradley

Session - History

Moderator:

9:00 AM - 9:30 AM Servois' Anticipation of Hyperbolic Geometry
Rob Bradley

9:30 AM - 10:00 AM Stefan Banach (1892-1945) and the Lwów Mathematical School
Andrew B Perry

10:00 AM - 10:30 AM Torricelli's Puzzling Proof of the Quadrature of the Cycloid
Maria Zack

10:30 AM - 11:00 AM Break

Session - Philosophy

Moderator:

11:00 AM - 11:30 AM Why did Lakatos write Proofs and Refutations as a dialogue?
Asya Ciftci

11:30 AM - 12:00 PM Mathematical Explanation in Henkin's Proof of Completeness
Susan Vineberg

12:00 PM - 1:30 PM Lunch Break

Session - History

Moderator:

1:30 PM - 2:00 PM Geometry in Jerusalem Prior to the Fall: Findings from Jerusalem's Absalom Pillar
Roger Petry

2:00 PM - 2:30 PM Integer Sums in Hebrew Mathematics (12th-16th Century): Methods, Proofs, and
Cross-Cultural Connections
Stela Segev

2:30 PM - 3:00 PM The Practical Approach to Motion Theory: Tartaglia's Imperfect Ballistics
Yuqi Sun

3:00 PM - 3:30 PM Break

Session - Philosophy

Moderator:

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|---------|---|---------|--|
| 3:30 PM | - | 4:00 PM | Signicism and the Foundations of Geometry in late 19th-Century Italy Bradley Dart |
| 4:00 PM | - | 4:30 PM | Applying Mathematics By Fitting Descriptions: The Case of Borsuk-Ulam and the Necklace-Splitting Problem Stephen Perry |
| 4:30 PM | - | 5:00 PM | A Case for the Extrinsic Theory of Surfaces S. Blake Allan |

Friday, June 5, 2026

Location: McCain Room 2102

Special Session I

Moderator:

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|----------|---|----------|--|
| 9:30 AM | - | 10:00 AM | From Tags to Totals: A Photographic Survey of Ancient Egyptian Numeration Cynthia Huffman |
| 10:00 AM | - | 10:30 AM | What God Left to Aristotle Tom Drucker |
| 10:30 AM | - | 11:00 AM | Break |

Special Session II

Moderator:

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| 11:00 AM | - | 11:30 AM | Euclidean diagrams as evidence for historical continuities and discontinuities Gregg De Young |
| 11:30 AM | - | 12:00 PM | Writing the History of Pre-Modern Geometry and Trigonometry Glen Van Brummelen |
| 12:00 PM | - | 12:30 PM | Sri Lankan Brahmi Numerals as Precursor to Place-Value Notation and as a Multiplicative and Additive System Harsha Wijayawardhana |
| 12:30 PM | - | 2:00 PM | AGM and Lunch |

May Lecture

Moderator:

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|---------|---|---------|--|
| 2:00 PM | - | 3:00 PM | Simplicity and Equipose: Criteria for Ancient Greek Astronomical Models Jacqueline Feke |
| 3:00 PM | - | 3:30 PM | Break |

Session - Philosophy

Moderator:

- 3:30 PM - 4:00 PM What Proofs Leave Out: Should Mathematicians Publish their Proof Discovery Processes?
Anshula Gandhi
Patricia Marino
- 4:00 PM - 4:30 PM What Counts as a Proof? Criteria and Value Judgments in Mathematics
Koray Akçagüner
- 4:30 PM - 5:00 PM The Inductive Argument for the Consistency of Classical Mathematics
Thomas Donaldson
- 5:00 PM - 5:30 PM Rigor and Significance
Zoe Ashton

Saturday, June 6, 2026

Location: McCain Room 2102

Session - History

Moderator:

- 9:00 AM - 9:30 AM "Coordinating" Mathematical Criteria: Why did Huygens and Sluse Solve Alhazen's Problem Again (and Again)?
Linyuan Li
- 9:30 AM - 10:00 AM Isaac Todhunter: Historian and Researcher of the Calculus of Variations
Craig Fraser
- 10:00 AM - 10:30 AM Remembering the Forgotten – John Lodge Cowley FRS
Larry D'Antonio
- 10:30 AM - 11:00 AM Break

Session - Philosophy

Moderator:

- 11:00 AM - 11:30 AM All units are unequal, but some are more unequal than others
Jean Charles Pelland
- 11:30 AM - 12:00 PM L'intuitionnisme brouvérien face au problème de l'existence en mathématiques
Francis Proulx
- 12:00 PM - 12:30 PM Feminist Critiques of Logic and the Elusiveness of Logical Form
Sophia Kimiagari
- 12:30 PM - 2:00 PM Lunch Break

Session - History

Moderator:

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|---------|---|---------|--|
| 2:00 PM | - | 2:30 PM | The Evolution of College Algebra: An Analysis of Textbooks and Curricula of the Early 20th Century Patrick Wallach |
| 2:30 PM | - | 3:00 PM | The Jolly Square Root of Minus One: Tracing the Mathematical Poetics of Khlebnikov in Malevich's Suprematism Irina Lyubchenko |
| 3:00 PM | - | 3:30 PM | History-Driven Storytelling and Mathematical Pedagogy Eugene Boman Robert Rogers |
| 3:30 PM | - | 4:00 PM | Using the Past to Visualize the Present Beverly Wood |
| 5:30 PM | - | TBD | Reception with CPA and Other Societies Location: Art Gallery |