



EIGHTH INTERNATIONAL MEETING OF THE ASSOCIATION FOR THE PHILOSOPHY OF MATHEMATICAL PRACTICE

JANUARY 12-15, 2026 • CHAPMAN UNIVERSITY • ARGYROS FORUM

Keynote Speakers

CAROLIN ANTOS-KUBY

University of Konstanz

MARC LANGE

Rutgers University

JOHN MUMMA

CSU San Bernardino

ELAINE PIMENTEL

University College London

AKSHAY VENKATESH

Institute for Advanced Study, Princeton

KEITH WEBER

Rutgers University

Organizing Committee

Marco Panza, Chair (Chapman University)
Lisa Beesley (Chapman University)
Benjamin Faltesek (Chapman University)
José Gil-Férez (Chapman University)
Jemma Lorenat (Pitzer College, Claremont)

Guillaume Massas (Chapman University)
Andrew Moshier (Chapman University)
Erich Reck (UC Riverside)
Patrick Ryan (New York University)

Scientific Committee

Silvia De Toffoli, co-chair (IUSS Pavia)
Paolo Mancosu, co-chair (UC Berkeley)
Line Edslev Andersen (Vrije Universiteit Brussel)
William D'Alessandro (William & Mary)
Carmen Martínez Adame (Universidad Nacional Autónoma de México)
Marco Panza (Chapman University)
Christopher Pincock (Ohio State University)

Organized by the Association for the Philosophy of Mathematical Practice, Schmid College of Science and Technology,
and the MPP Program, with the support of the Kennedy Chair in Philosophy

8TH INTERNATIONAL MEETING OF THE ASSOCIATION FOR THE PHILOSOPHY OF MATHEMATICAL PRACTICE

Monday, January 12

1:30 - 1:45 p.m.

Inauguration in AF 212

1:45 - 3:15 p.m.

KEYNOTE SPEAKER: AKSHAY VENKATESH

AF 212

(Institute for Advanced Study, Princeton)

Crytomorphisms in Mathematical Practice

3:15 - 3:45 p.m.

Coffee Break in AF 209AB

3:45 - 5:15 p.m.

AF 206A

EAMON DUEDE

(Purdue University)

Collective Creativity in Mixed-Agent Science

AF 206B

LYU FU

(IHPST, Paris)

The Inferential Account and the Confidence Objection

AF 206C

**RYOTA AKIYOSHI &
KOJI MINESHIMA**

(The University of Electro-Communications; Keio University)

Concessive Connectives and the Structure of Informal Proofs

ANDREW ABERDEIN

(Florida Tech)

Mathematical Trespassing

MATT HABER

(University of Utah)

Positively Misleading Errors

OLIVER MARSHALL

(Universidad Nacional Autónoma de México)

The Logical and Philosophical Origins of λ -Calculus

Monday, January 12

5:15 - 5:45 p.m.

Coffee Break in AF 209AB

5:45 - 7:15 p.m.

AF 206A

CHRISTOPHER PINCOCK
(Ohio State University)

Mathematics and Scientific
Change

AF 206B

MANGESH
PATWARDHAN

(National Insurance Academy)
Sets, Models and Set-theoretic
Practice

AF 206C

SAMUEL STEVENS

(University of Southampton)

Plato and the Practice of
Mathematics

JAMES WEATHERALL &
JESSE WOLFSON

(UC Irvine)

Correctness, Artificial Intelligence

JAVIER LEGRIS

(Universidad de Buenos Aires)

Turing on Reasoning

PATRICK RYAN

(New York University)

A Renaissance of Empiricism:
The Case of Mathematical
Infinity

Tuesday, January 13

8 - 9 a.m.

Breakfast in AF 209AB

9 - 10:30 a.m.

KEYNOTE SPEAKER: CAROLIN ANTOS-KUBY

AF 212

(University of Konstanz)

Why We Should Study Examples: The Epistemic Function of Exemplary
Reasoning in Mathematics

10:30 - 11 a.m.

Coffee Break in AF 209AB

Tuesday, January 13

11 a.m. - 12:30 p.m.

AF 206A

MANUEL BARRANTES
(CSU Sacramento)
Mathematical Explanations of
Physical Phenomena

AF 206B

EDUARDO
GIOVANNINI &
GEORG SCHIEMER
(National Scientific and
Technical Research Council;
Universität Wien)
Formal Content and
Equivalence

AF 206C

DON FALLIS
(Northeastern University)
What's So Special about
Deductive Proof?

JOSH HUNT
(Syracuse University)
Making Properties Manifest in
Mathematics

MELISA VIVANCO
(University of Texas - Rio
Grande Valley)
The Arbitrariness of
Mathematical Proof Properties

ALBERTO NAIBO &
THOMAS SEILLER
(University of Paris 1 Panthéon-
Sorbonne; CNRS)
Proofs as Algorithms

12:30 - 1:45 p.m.

Lunch in AF 209AB

1:45 - 3:15 p.m.

KEYNOTE SPEAKER: JOHN MUMMA
(CSU San Bernardino)
Counting Arithmetic

AF 212

3:15 - 3:45 p.m.

Coffee Break in AF 209AB

3:45 - 5:15 p.m.

AF 206A

LORENZO GANDOLFI
(IUSS Pavia)

Choosing What to Prove and How

AF 206B

JEAN-CHARLES PELLAND
(Universitetet i Bergen)

Compositionality beyond Bases

AF 206C

MARIANNA ANTONUTTI
MARFORI

(University of Paris 1 Panthéon-Sorbonne)

Frege and Hilbert on
Mathematical Method and Proof

SUSAN VINEBERG

(Wayne State University)

Depth and Understanding in the
Development of Mathematics

MAHMOUD JALLOH

(California Institute of
Technology)

Descartes' Dimensions and the
Euclidean Taboo

ANDREA SERENI

(IUSS Pavia)

Ideal Route to Arithmetic

5:15 - 5:45 p.m.

Coffee Break in AF 209AB

5:45 - 7:15 p.m.

AF 206A

DANIELLE MACBETH

(Haverford College)

Thinking about Numbers: From
Objects to Inquiry

AF 206B

JONATHAN TANAKA

(UC Berkeley)

Aristotelian Geometrical
Monism

AF 206C

CHANWOO LEE

(Ajou University)

Structuralism as an Explanatory
Thesis

BENDIX KEMMANN

(Stanford University)

Numerical Notation Systems

JEAN-PAUL CAUVIN

(Case Western Reserve
University)

Style as Mathematical Practice
in the Philosophy of Gilles
Gaston-Granger

Wednesday, January 14

8 - 9 a.m.

Breakfast in AF 209AB

9 - 10:30 a.m.

KEYNOTE SPEAKER: KEITH WEBER

AF 212

(Rutgers University)

Using Text to Understand Mathematical Practice in Philosophy and Mathematics Education

10:30 - 11 a.m.

Coffee Break in AF 209AB

11 a.m. - 12:30 p.m.

AF 206A

KATI KISH BAR-ON &
MICHAEL FRIEDMAN

(Boston University & Harvard
Business School; Bonn University)

A Tool or A Collaborator?

Rethinking Mathematical

Intuition, Agency, and Practice in
the Age of AI

AF 206B

CHEN YANG

(Hunan University)

The Application of
Mathematics Revisited from a
Hegelian Perspective

AF 206C

ERICH RECK

(UC Riverside)

Structuralist Understanding and
its Objects in Mathematics

KENNY EASWARAN

(UC Irvine)

Several AI Futures for
Mathematical Proof

JEMMA LORENAT

(Pitzer College)

No Marked Correlation: An
Episode in the Statistical
Invasion of Medical and
Social Science

MORITZ BODNER

(Universität Wien)

Normal Form Results

Wednesday, January 14

12:30 - 1:45 p.m. **Lunch in AF 209AB**

1:45 - 3:15 p.m. KEYNOTE SPEAKER: ELAINE PIMENTEL AF 212
(University College London)
Axioms as Rules: A Framework for Mathematical Explanation

3:15 - 3:45 p.m. **Coffee Break in AF 209AB**

3:45 - 5:15 p.m.

AF 206A

MARK BALAGUER
(Cal State LA)
Mathematical Platonism,
Mathematical Relativism, and the
Mind-Dependence of Mathematical
Truth

PAOLO MANCOSU
(UC Berkeley)
When Formal Derivations are not
Optional

AF 206C

JACOB PARISH
(UC Berkeley)
Non-standard Analysis and
Grosseteste

ANTONIO BARALDI
(Konstanz University)
Inference to the Best
Explanation in Scientific
Practice

5:15 - 5:45 p.m. **Coffee Break in AF 209AB**

Wednesday, January 14

5:45 - 7 p.m.

Roundtable on the Perspectives of APMP

AF 212

with the participation of William D'Alessandro, Silvia De Toffoli, Jemma Lorenat and Paolo Mancosu

7:30 p.m.

Gala Dinner in Beckman Hall 404

Thursday, January 15

8 - 9 a.m.

Breakfast in AF 209AB

9 - 10:30 a.m.

AF 206A

CHIRINE YASMINE
LAGHJICHI

(University Sorbonne Paris Nord)

The Idealized Mathematician and
the Common Notion

RACHEL BODDY &
ROBERT MAY

(IUSS Pavia; UC Davis)

Value-Ranges

AF 206C

SILVIA DE TOFFOLI

(IUSS Pavia)

Articulate Intuition

WILLIAM
D'ALESSANDRO

(College of William & Mary)

Using Large Language Models
to Study Explanation in
Mathematics

10:30 - 11 a.m.

Coffee Break in AF 209AB

Thursday, January 15

11 a.m. - 12:30 p.m.

AF 206A

KAROLINA TYTKO,
JESSICA CARTER, &
KAROL WAPNIARSKI

(WA FCIPS, Krakow; Aarhus
University; University of
Cambridge, UK)

Experiments in Logic and the Role
of Diagrammatic Representations

KEN ARCHER

(Linköping University)

From Perception to Probability

AF 206C

NICOLÒ CAMBIASO &
TOMMASO PERIPOLI

(Università degli Studi di
Milano)

Changing Mathematical
Concepts

JAMIE TAPPENDEN

(University of Michigan)

Definition, Vagueness and
Conceptual Development

12:30 - 2 p.m.

Lunch in AF 209AB

2 - 3:30 p.m.

KEYNOTE SPEAKER: MARC LANGE

AF 212

(Rutgers University)

How to Resolve Wigner's Mystery of the 'Unreasonable Effectiveness of
Mathematics' in Natural Science

3:30 - 4 p.m.

Closure in AF 212