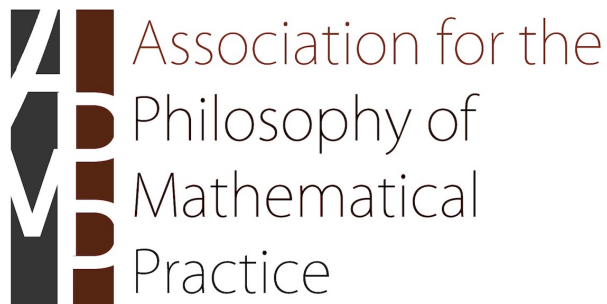

APMP NEWSLETTER

Vol. 4, January 2022



Welcome!

This is the latest edition of our *Newsletter*, which aims at providing some general information about activities of the APMP. The general motivation is to communicate activities of the APMP to all members, to inform about upcoming events related to the philosophy of mathematical practice, and to foster and support our community.

Jessica Carter — on behalf of the Directive Committee

PMP on Facebook and Twitter

In addition to the distribution list, the APMP has a Facebook page and a Twitter account where we announce events and write about PMP-related content. If you would like us to post something on these, please write to Giselle Secco secco.gisele@gmail.com for Twitter and to Brendan Larvor, B.P.Larvor@herts.ac.uk for Facebook.

Conferences, workshops, and meetings

- *The 7th APMP conference is planned to be held at the University of Hertfordshire in Hatfield, UK in **July 2023**. More information will follow in the next newsletters as well as on our website.*

- The ERC Starting Grant project “The Roots of Mathematical Structuralism” (PI: Georg Schiemer; Günther Eder) and the FWF project “Purity and Abstraction in Modern Geometry: Historical and Philosophical Perspectives” (PI: Eduardo Giovannini) are co-hosting the conference *Modern Geometry and its Foundations* on **January 13 – 15, 2022** on Zoom. More information can be obtained at <https://structuralism.phl.univie.ac.at/events/international-conference-modern-geometry-and-its-foundations/>.

For participation please send an e-mail to: florian.kolowrat@univie.ac.at. Registration ends January 10, 2022.

- *Explanation and understanding with(in) mathematics: celebrating the World Logic Day 2022.* The event is organised by Joachim Frans and Deniz Sarikaya (Vrije Universiteit Brussel). Speakers are Vincent Coumans (Radboud Universiteit), Atoosa Kasirzadeh (Australian National University) José Antonio Pérez Escobar (ETH Zurich / Paris), Francesca Poggiolesi (Université Paris 1 Panthéon-Sorbonne) and Keith Weber (Rutgers University). The event is held **online January 16, 2022**, see <https://sites.google.com/view/exunma-2022>



From the 5th International Meeting of the APMP held in Salvador, Brasil.

- The Annual Meeting of the *Canadian Society for History and Philosophy of Mathematics* will be held online on **May 13 – 15, 2022**. The call for papers can be found at <http://www.cshpm.org/meeting/CSHPM2022CallForPapers.pdf>. Deadline for submissions is February 1, 2022.

- A conference exploring and honouring the contributions of the mathematician Alexander Grothendieck (1928–2014) will be held at Chapman University, Orange California, **May 24–28 2022**, see <https://www.chapman.edu/scst/conferences-and-events/grothendieck-conference.aspx>

- The *13th International Conference on the Theory and Application of Diagrams* will be held on 14–16 September 2022 in Rome <http://www.diagrams-conference.org/next-conference>

Seminar series

- The Orange County and Inland Empire (OCIE) organises monthly seminars in the History and Philosophy of Logic and Mathematics. They will continue through the spring in a hybrid form: <http://pzacad.pitzer.edu/math/PhilosophySeminar/HOMsem.html> or <https://faculty.ucr.edu/~reck/OCIE-Group.html>

- Professor Paolo Mancosu, Chaire d'excellence internationale Blaise Pascal (UC Berkeley; Université de Paris 1 Panthéon-Sorbonne) is the organiser of a seminar series titled "Infini mathématique" during the spring semester.

Place: 454A-Valentin (Bâtiment Condorcet de l'Université de Paris), Paris, France.

Time: From 14:30 to 17:00.

Dates: 20th January, 3rd and 17th February, 10th and 24th March, 7th and 30th April, 5th and 19th May, 2nd June.

More details about the logistics (including how to register, zoom links etc.) will be available in the web page for the Chaire Pascal around mid-January: <https://www.pantheonsorbonne.fr/recherche/chaire-dexcellence-internationale-blaise-pascal-histoire-et-philosophie-linfini>
Information about speakers and titles is given below.

January 20. **Infinis inégaux au Moyen Âge:**
Tony Lévy [SPHERE ; CNRS] : Thâbit ibn Qurra (Baghdad, IXe siècle) et l'infinité numérique
Cecilia Panti [Università di Roma "Tor Vergata"] : "ex infinitis indivisibilibus ad invicem mediatis": Robert Grosseteste's unequal infinites in extended continua

February 3. **Leibniz:**
David Rabouin [SPHERE ; CNRS] : Leibniz's syncategorematical infinitesimals, again. Part I
Richard Arthur [McMaster University] [Zoom] : Leibniz's syncategorematical infinitesimals, again. Part II

February 17. **Kant/Bolzano:**
Vincenzo De Risi [SPHERE ; CNRS] : The Infinite in the Foundations of Geometry from Kant to Gauss
Guillaume Massas [UC Berkeley] : Part-Whole Reasoning and Infinite Sums in Bolzano's Paradoxes of the Infinite

March 10. **Fondements des mathématiques:**
Hilbert, Weyl:
Richard Zach [University of Calgary] : Hilbert's program and infinity
Laura Crosilla [University of Oslo] : Cantor's Paradise and the Forbidden Fruit

March 24. **Infini/Explication/Pureté:**
Andy Arana [Université de Lorraine] : Finitism and purity
Patrick Ryan [UC Berkeley] : Szemerédi's

Theorem: The Role of Impurity and Infinity in Mathematical Explanation

April 7. **Paradoxes de l'infini en probabilités et théorie de la décision:**
Daive Rizza [University of East Anglia] : Some discrete thoughts on Bertrand's paradox
Alan Hájek [Australian National University] : All Values Great and Small

April 28. **Fini et infini dans le néologicisme:**
Sean Ebels-Duggan [Northwestern University][Zoom] : Abstraction, Cardinals, and Nuisances
Paolo Mancosu [Chaire Blaise Pascal, Université de Paris I, Panthéon-Sorbonne; UC Berkeley] : The company you keep: infinity, neologicism, and abstraction principles

May 5. **Logique mathématique et infini I:**
Walter Dean [University of Warwick; Munich Center for Mathematical Philosophy] : Strict finitism and nonstandard models of bounded arithmetic
Mauro Di Nasso [Università di Pisa] : Numerosity of infinite sets, and its relationships with measures

May 19. **Probabilités infinitésimales:**
Jean-Michel Salanskis [Université Paris Nanterre] : Familiar and Unfamiliar Infiniteness
Sylvia Wenmackers [KU Leuven] : Infinitesimal probability

June 2. **Logique mathématique et infini II:**
Michael Rathjen [University of Leeds] : The higher infinite in Proof Theory
Mirna Dzamonja [IRIF, CNRS-Université de Paris] : Reflecting the infinite into the finite : algorithmic aspects of the study of the infinite

People

Silvia De Toffoli has won one of the Swedish Wallenberg Academy Fellowships in Humanities. The prize is over 1 million Euro and runs for five years. More information can be found here <https://kaw.wallenberg.org/en/silvia-de-toffoli>.

Collections

- A recently published collection of articles celebrating the work of Abel Lasalle Casanave (founder of the APMP) may be of interest to our members:

De Mathematicae atque Philosophicae Elegantia — Notas Festivas para Abel Lasalle Casanave

Edited by Gisele Dalva Secco, Frank Thomas Sautter, Oscar Miguel Esquisabel and Wagner Sanz. College Publications 2021. <https://www.collegepublications.co.uk/cuadernos/?00018>

A short description: This extensive collection of essays in honor of Abel Lasalle Casanave reflects the breadth of his philosophical engagement with the formal sciences. Each essay, short in length but rich in perspectival depth, entices the reader to explore a piece of contemporary research in the history and/or philosophy of logic and mathematics. The overall effect is that of an aperçu into several recent areas of investigation and into the varieties of competing approaches employed in their study. At the same time, the essays collectively implicitly give shape, and constitute a fitting tribute, to Lassalle Casanave's influential impact on the history and the philosophy of mathematics.

Preprint Archive

An underused resource is the *PhilMath Archive*, which is an electronic archive tailored to and run by philosophers of mathematics, sponsored by the APMP as well as the International Association for the Phi-

losophy of Mathematics (PMA), the Canadian Society for the History and Philosophy of Mathematics (CSHPM), The British Society for the History of Mathematics (BSHM), the Philosophy of Mathematics Special Interest Group Mathematical Association of America (POMSigma).

We encourage our members to post preprint versions of their papers at: <http://philsci-archive.pitt.edu/philmath.html>

In addition, we also encourage to use the category “Mathematical Practice” when tagging your papers in the *PhilPapers* archive at <https://philpapers.org>

About the APMP

Founded in 2009, the Association for the Philosophy of Mathematical practice aims to support research in philosophy of mathematics related to mathematical activity, past and present.

For more information:

<http://www.philmathpractice.org>

On twitter: <https://twitter.com/philmathpractic>

and facebook: <https://www.facebook.com/philmathpractice>

• Call for newsletter contributions

If you would like to contribute to the APMP Newsletter with announcements, short reports, or other contributions, please contact Jessica Carter: at jessica@css.au.dk