



CIPSH Chair DMRCP
Diversity of Mathematical Research Cultures and Practices
 Chair holder: Prof. Dr. Benedikt Löwe

DMRCP Senior Fellows. C. Antos-Kuby (Konstanz), H. De Cruz (St Louis MO), K. François (Brussels), C. Greiffenhagen (Hong Kong), G. Heinzmann (Nancy), M. Inglis (Loughborough), C. Jami (Paris), B. Larvor (Hatfield), U. Martin (Edinburgh & Oxford), H. Mihaljević (Berlin), E. Müller-Hill (Rostock), R. Ramanujam (Chennai), D. Schlimm (Montréal QC), H. K. Sørensen (Copenhagen), B. Van Kerkhove (Brussels).

DMRCP Newsletter # 5

8 April 2024

Dr Joachim Frans (1989–2023). Joachim Frans died in a traffic accident on 7 December 2023. Dr Frans was a postdoctoral researcher at the Center for Logic and Philosophy of Science at the Vrije Universiteit Brussel. He studied Philosophy and Moral Sciences at the Vrije Universiteit Brussel and completed a postgraduate degree in Logic, History and Philosophy of Science at Ghent University. In 2017, he obtained his PhD in Philosophy and Moral Sciences at the Vrije Universiteit Brussel on explanatory proofs in mathematics and had recently published an accessible book about mathematical practice together with colleagues Bart Van Kerkhove SF and Jean Paul Van Bendegem. While not formally a member of DMRCP, Dr Frans was involved in our planned application for a Marie Curie Doctoral Training Network where he was the designated lead supervisor for a doctoral project entitled *Explanatory proof in mathematical textbooks*.



News from the DMRCP Fellowship.

Benedikt Löwe was elected as a Fellow of the International Science Council (FISC). The International Science Council (ISC) is the global voice for science and represents all national scientific communities of its 146 member countries (from Albania to Zimbabwe) as well as all disciplines from the natural and social sciences. Its vision is to advance science as a global public good. The Fellowship is the highest honour conferred on individuals: Fellows are recognized for their outstanding contributions to promoting science as a global public good and are eminent scientists, engineers and thought-leaders from the science-policy sphere who have made remarkable contributions to furthering understanding of and engagement with science.

Nata Yang F recently started a 6-month visiting fellowship in the Institute of Vienna Circle (IVC) at the *Universität Wien*.

Fourth DMRCF Seminar Meeting.

On 18 December 2023, Christian Greiffenhagen SF and Tabea Rohr F presented their research. Fifteen DMRCF members attended the meeting. Tabea Rohr F reviewed her research on Frege and his conception of logic, comparing Frege's with Hilbert's approach. She talked about a recent project on Mathematical hygiene with Andrew Arana F and Heather Burnett.

Christian Greiffenhagen SF described his research focus on people's uses of technologies, as well as his long-term project on the mathematical peer review process and the two recently published papers with results from this project.

Fifth DMRCF Seminar Meeting.

On 26 February 2024, Michael Barany F, Emmylou Haffner F, and Andrea Reichenberger F presented their research. All presentations focused on historical aspects. Twenty-four participants attended the meeting.

Emmylou Haffner F described her work on Élie Cartan, in particular his mathematical drafts. The discussion focused on the use of mathematical drafts as a tool to describe the individual approach of a mathematician.

Andrea Reichenberger F discussed historical aspects of gender in mathematics. She reported on her work on contributions of Elli Heesch that are commonly attributed to Heinrich Heesch as well as on the mathematician Luise Lange.

Michael Barany F gave an overview of his past projects including the use of Polymath and blackboards and the history of the Fields medal. He then presented his new project SIGMA (*Situating International and Global Mathematics*) focusing on the mid-20th-century transformation of mathematical research to become a global endeavour.

Sixth DMRCF Seminar Meeting.

The sixth DMRCF Seminar Meeting was held on "Pi Day", the *International Day of Mathematics*, i.e., 14 March 2024, with just one presentation by Kati Kish Bar-On F. Eleven participants attended the meeting.

Kati Kish Bar-On F described her work that connects history of mathematics with questions and methods from philosophy, sociology, and psychology. In particular, she mentioned her work on group behaviour as well as her historical work on the integration of intuitionistic ideas into the mainstream community.

Activities.

Seventh DMRCF Seminar Meeting. The next DMRCF Seminar Meeting will take place on June 10th, at 2pm CEST (Hamburg time). Sorin Bangu F, Line Edslev Andersen F, and Nata Yang F will present their work.

Conference Announcements.

Emerging Trends in History, Philosophy, and Sociology of Mathematics, to be held on 17 May 2024, at MIT and over Zoom, organized by Kati Kish Bar-On F (MIT) and Michael Friedman (Tel Aviv University).

Masterclass in the Philosophy of Mathematical Practices 2024 with Catarina Dutilh Novaes, 24-26 June, 2024, in Brussels, organized by Line Edslev Andersen F, Yacin Hamami F, Colin Rittberg F, and Deniz Sarikaya F.

Presentation of new Fellows.

Ellen Abrams is a historian of science and mathematics, specializing in United States cultural history, womens and gender studies, and science and technology studies. Her current book project examines the role of different forms of masculinity in the making of a professional mathematics community in the early-twentieth-century United States. She is also interested in histories of quantification and critical data studies. In July 2024, she will begin a position as Assistant Professor in the Institute for the History and Philosophy of Science and Technology at the *University of Toronto*.



Line Edslev Andersen is a part-time postdoc at the Centre for Logic and Philosophy of Science (CLPS) of the *Vrije Universiteit Brussel*, where she is working on the project Collective Knowledge in Mathematics: Proofs, Justification, and Reliability with Yacin Hamami and Bart Van Kerkhove (and also the late Joachim Frans). She has worked on proofs in mathematical practice, publishing practices in mathematics, the social epistemology of science, and on collective beliefs. From 2021 to 2023, she pursued interests outside academia. Before then, she worked as a postdoc at Aarhus University and at the CLPS. She completed her doctorate at Aarhus University in 2017 and was supervised by Henrik Kragh Sørensen SF and Hanne Andersen F.



Clare S. Kim (she/her) is an assistant professor of History and Global Asian Studies at the *University of Illinois at Chicago*. She specializes in the history of science and technology, STS, modern United States and Asian American history, and critical race and media studies. With a special interest in the place of Asians and Asian Americans as targets and users of computation, her scholarship examines the history of twentieth and twenty-first century mathematical and computational sciences and their entanglements in United States intellectual and political life. Her current book project explores the post-World War II interplay of calculation practices and US-Asian relations on the racialised dynamics of knowledge control and exchange.



List of DMRCP Members.

Since the fellowship of DMRCP has grown considerably over the last years, we decided to provide an up-to-date list of all Fellows and Senior Fellows for reference. The list is given in order of seniority (by election date; Fellows with the same election date are listed in alphabetic order). Former Fellows and Senior Fellows are listed in grey.

Chairholder. Benedikt Löwe (Hamburg & Cambridge).

Scientific Coordinator. Deborah Kant (Hamburg, Fellow *ex officio*, 1 January 2022–31 December 2024).

Senior Fellows.

Hanne Andersen (Copenhagen, 2 September 2021–30 June 2023).

Carolin Antos-Kuby (Konstanz, 2 September 2021–2 September 2026).

Helen De Cruz (St Louis MO, 2 September 2021–2 September 2026).

Karen François (Brussels, 2 September 2021–2 September 2026).

Christian Greiffenhagen (Hong Kong, 2 September 2021–2 September 2026).

Gerhard Heinzmann (Nancy, 2 September 2021–2 September 2026).

Matthew Inglis (Loughborough, 2 September 2021–2 September 2026).

Catherine Jami (Paris, 2 September 2021–2 September 2026).

Brendan Larvor (Hatfield, 2 September 2021–2 September 2026).

Ursula Martin (Edinburgh & Oxford, 2 September 2021–2 September 2026).

Helena Mihaljević (Berlin, 2 September 2021–2 September 2026).

Eva Müller-Hill (Rostock, 2 September 2021–2 September 2026).

R. Ramanujam (Chennai, 2 September 2021–2 September 2026).

Dirk Schlimm (Montréal QC, 2 September 2021–2 September 2026).

Bart Van Kerkhove (Brussels, 2 September 2021–2 September 2026).

Henrik Kragh Sørensen (Copenhagen, 1 July 2023–30 June 2026).

Fellows.

Aditya Guntoori (Montréal QC, 1 February 2023–31 January 2025).

Yacin Hamami (Zürich & Paris, 1 February 2023–31 January 2025).

Hala Khassiba (Nancy, 1 February 2023–31 January 2025).

Daniel Martins (Rio de Janeiro, 1 February 2023–31 January 2025).

Colin Rittberg (Brussels, 1 February 2023–31 January 2025).

Tabea Rohr (Jena, 1 February 2023–31 January 2025).

Deniz Sarikaya (Brussels, 1 February 2023–31 January 2025).

Fenner Tanswell (Berlin, 1 February 2023–31 January 2025).

Valrie Therrien (Montréal QC, 1 February 2023–31 January 2025).

David Waszek (Paris, 1 February 2023–31 January 2025).

Andrew Aberdein (Melbourne FL, 1 April 2023–31 March 2025).

Andrew Arana (Nancy and Paris, 1 April 2023–31 March 2025).

Michael Barany (Edinburgh, 1 April 2023–31 March 2025).

Emmylou Haffner (Paris, 1 April 2023–31 March 2025).

Juan Pablo Mejía-Ramos (New Brunswick NJ, 1 April 2023–31 March 2025).

Keith Weber (New Brunswick NJ, 1 April 2023–31 March 2025).

Bernhard Fisseni (Duisburg-Essen, 1 May 2023–30 April 2025).

Mikkel Willum Johansen (Copenhagen, 1 May 2023–30 April 2025).

Mikkel Tvorup Moseholm (Copenhagen, 1 May 2023–30 April 2025).

Alison Pease (Dundee, 1 May 2023–30 April 2025).

Bernhard Schröder (Duisburg-Essen, 1 May 2023–30 April 2025).

Stella Moon (Prague, 1 September 2023–31 August 2025).

José Antonio Pérez-Escobar (Zürich, 1 September 2023–31 August 2025).

Andrea Reichenberger (Siegen, 1 September 2023–31 August 2025).

Ellen Abrams (Montréal QC, 1 January 2024–31 December 2025).

Line Edslev Andersen (Brussels, 1 January 2024–31 December 2025).

Sorin Bangu (Bergen, 1 January 2024–31 December 2025).

Ben Davies (Southampton, 1 January 2024–31 December 2025).

Silvia De Toffoli (Pavia, 1 January 2024–31 December 2025).

Susannah Glickman (New York NY, 1 January 2024–31 December 2025).

Clare S. Kim (Chicago IL, 1 January 2024–31 December 2025).

Kati Kish Bar-On (Cambridge MA, 1 January 2024–31 December 2025).

Nicolas Michel (Wuppertal, 1 January 2024–31 December 2025).

Oliver Schlaudt (Heidelberg, 1 January 2024–31 December 2025).

Jan Vrhovski (Edinburgh, 1 January 2024–31 December 2025).

Roy Wagner (Zürich, 1 January 2024–31 December 2025).

Zhouwanyue (Nata) Yang (Munich, 1 January 2024–31 December 2025).

In this newsletter, we mark the Fellows and Senior Fellows of DMRCP with the postnominal letters ‘F’ and ‘SF’, respectively. If you have any information to be included in the next newsletter, please e-mail Deborah Kant at dmrcp.scientificcoordinator@cipsh.international.