

Scientific Program 2026

Workshops

Participants of the Workshops at Oberwolfach are invited personally by the Director of the Institute. Participation is subject to such an invitation. Interested researchers, in particular early career scientists, can contact the administration of the Institute. Since the number of participants is restricted, not all inquiries can be considered.

04.01. – 09.01.2026 (ID: 2602)

Combinatorics

Jacob Fox, Stanford
Peter Keevash, Oxford
Wojciech Samotij, Tel Aviv

11.01. – 16.01.2026 (ID: 2603)

Enumerative Combinatorics

Guillaume Chapuy, Paris
Sergi Elizalde, Hanover NH
Ilse Fischer, Wien

18.01. – 23.01.2026 (ID: 2604)

Model Theory and Arithmetic

Matthias Aschenbrenner, Wien
Philipp Habegger, Basel
Annette Huber-Klawitter, Freiburg
Thomas Scanlon, Berkeley

25.01. – 30.01.2026 (ID: 2605)

Noncommutative Harmonic Analysis and Quantum Information

Michael Brannan, Waterloo
Martijn Caspers, Delft
Fedor Sukochev, Sydney
Lyudmila Turowska, Gothenburg

01.02. – 06.02.2026 (ID: 2606)

Numerical Analysis for Geometric and Nonlinear PDEs

Soeren Bartels, Freiburg
Susanne Brenner, Baton Rouge
Buyang Li, Hong Kong
Michael Neilan, Pittsburgh

08.02. – 13.02.2026 (ID: 2607)

Representation Theory of Quivers and Finite-Dimensional Algebras

Claire Amiot, Gières
Gustavo Jasso, Lund
Jan Schröer, Bonn

15.02. – 20.02.2026 (ID: 2608a)

Multiple Zeta Values and Modular Forms

Claudia Alfes, Bielefeld
Henrik Bachmann, Nagoya
Kathrin Bringmann, Cologne
Jan-Willem van Ittersum, Cologne

15.02. – 20.02.2026 (ID: 2608b)

Median Geometry and Applications

Goulnara Arzhantseva, Vienna
Indira Chatterji, Nice
Elia Fioravanti, Karlsruhe
Graham Niblo, Southampton

22.02. – 27.02.2026 (ID: 2609)

Cohomology of Finite Groups: Interactions and Applications

Dave Benson, Aberdeen
Natàlia Castellana Vila, Barcelona
Jesper Grodal, København

01.03. – 06.03.2026 (ID: 2610)

Nonlinear Waves and Dispersive Equations

Sebastian Herr, Bielefeld
Pierre Raphael, Cambridge MA
Daniel Tataru, Berkeley
Monica Visan, Los Angeles

Mini-Workshops

02.08. – 07.08.2026 (2632a/b), deadline for appl.: 31.01.2026

09.08. – 14.08.2026 (2633a/b), deadline for appl.: 31.01.2026

16.08. – 21.08.2026 (2634a/b), deadline for appl.: 31.01.2026

23.08. – 28.08.2026 (2635a/b), deadline for appl.: 31.01.2026

08.11. – 13.11.2026 (2646a), deadline for appl.: 30.04.2026

15.11. – 20.11.2026 (2647a), deadline for appl.: 30.04.2026

29.11. – 04.12.2026 (2649a), deadline for appl.: 30.04.2026

06.12. – 11.12.2026 (2650a), deadline for appl.: 30.04.2026

Tandem- or Mini-Workshops

06.09. – 11.09.2026 (2637a/b) deadline for appl.: 01.09.25/31.01.26

Arbeitsgemeinschaft (study group)

29.03. – 03.04.2026 (2614), to be announced in spring 2025

04.10. – 09.10.2026 (2641), to be announced in fall 2025

11.10. – 16.10.2026 (2642), to be announced in fall 2025

Oberwolfach Seminars

26.04. – 01.05.2026 (2618a/b), to be announced in winter 2025

18.10. – 23.10.2026 (2643a/b), to be announced in winter 2025

22.11. – 27.11.2026 (2648a/b), to be announced in winter 2025

08.03. – 13.03.2026 (ID: 2611)

Networking Workshop: The Power of Women in the Mathematics of Deep Learning

Anna Breger, Vienna/Cambridge UK
Gitta Kutyniok, Munich
Carola-Bibiane Schönlieb, Cambridge UK

15.03. – 20.03.2026 (ID: 2612)

Higher Structures from Symmetries in Quantum Field Theory

David Reutter, Hamburg
Sakura Schäfer-Nameki, Oxford
Christoph Schweigert, Hamburg

22.03. – 27.03.2026 (ID: 2613)

Flows on Measure Spaces and Applications in Machine Learning

Philippe Rigollet, Cambridge MA
Giuseppe Savaré, Milano
Gabriele Steidl, Berlin
François-Xavier Vialard, Champs sur Marne

05.04. – 10.04.2026 (ID: 2615)

Complex Analysis

Eleonora Di Nezza, Paris
Stefan Kebekus, Freiburg
Mihai Păun, Bayreuth
Stefan Schreieder, Hannover

12.04. – 17.04.2026 (ID: 2616)

Groups and Dynamics: Topology, Measure, and Borel Structure

David Kerr, Münster
Anush Tserunyan, Montréal
Robin Tucker-Drob, Gainesville
Tianyi Zheng, La Jolla

19.04. – 24.04.2026 (ID: 2617)

Low-dimensional Topology and Number Theory

Thang Le, Atlanta
Adam Sikora, Buffalo
Maria Vlasenko, Warsaw
Don B. Zagier, Bonn/Trieste

03.05. – 08.05.2026 (ID: 2619)

**Geometry and Combinatorics:
The Model Theoretic Perspective**

Emmanuel Breuillard, Oxford
Artem Chernikov, College Park
Katrín Tent, Münster
Frank Wagner, Villeurbanne

10.05. – 15.05.2026 (ID: 2620)

Complex Geometry and Dynamical Systems

Simion Filip, Chicago
Jaehyun Hong, Dajeon
George Marinescu, Cologne
Valentino Tosatti, New York

17.05. – 22.05.2026 (ID: 2621a)

**S^7 : Statistics and Stochastics for Sheaves, Shapes,
Stratified and Sub-Riemannian Structures**

Karen Habermann, Coventry
Stephan Huckemann, Göttingen
Sayan Mukherjee, Leipzig
Stefan Sommer, Copenhagen

17.05. – 22.05.2026 (ID: 2621b)

**Conic Linear Optimization for
Computer-assisted Proofs**

Etienne de Klerk, Tilburg
Frank Vallentin, Cologne
Angelika Wiegele, Klagenfurt

24.05. – 29.05.2026 (ID: 2622)

**Group Actions and Harmonic Analysis
in Number Theory**

Valentin Blomer, Bonn
Manfred Einsieder, Zürich
Emmanuel Kowalski, Zürich
Maryna Viazovska, Lausanne

31.05. – 05.06.2026 (ID: 2623)

Algebraische Zahlentheorie

Fabrizio Andreatta, Milano
Ellen Eischen, Eugene
Eugen Hellmann, Münster
Mahesh Kakde, Bangalore

07.06. – 12.06.2026 (ID: 2624)

Random Matrices

Paul Bourgade, New York
Friedrich Götze, Bielefeld
Alice Guionnet, Lyon

14.06. – 19.06.2026 (ID: 2625)

Geometrie

Eleonora Di Nezza, Paris
Hans-Joachim Hein, Münster
Aaron Naber, Princeton
André Neves, Chicago

21.06. – 26.06.2026 (ID: 2626)

Mathematical Foundation of Digital Twins

Omar Ghattas, Austin
Matthias Heinkenschloss, Houston
Sebastian Reich, Potsdam
Claudia Schillings, Berlin

28.06. – 03.07.2026 (ID: 2627)

Topologie

Gregory Arone, Stockholm
Clara Löh, Regensburg
Oscar Randal-Williams, Cambridge UK
András Stipsicz, Budapest

05.07. – 10.07.2026 (ID: 2628)

Low-dimensional Topology

Marc Lackenby, Oxford
Jessica Purcell, Melbourne
Arunima Ray, Bonn
Saul Schleimer, Coventry

12.07. – 17.07.2026 (ID: 2629)

Moduli Spaces in Algebraic Geometry

Arend Bayer, Edinburgh
Giulia Saccà, New York
Richard Thomas, London
Chenyang Xu, Princeton

19.07. – 24.07.2026 (ID: 2630)

**Geometric Methods in Optimization
and Numerical Analysis**

Pierre-Antoine Absil, Louvain-la-Neuve
Mareike Dressler, Kensington
Patrizio Neff, Essen
Oliver Sander, Dresden

26.07. – 31.07.2026 (ID: 2631)

Bayesian Methods

Ismael Castillo, Paris
Judith Rousseau, Oxford
Botond Szabó, Milano
Aad van der Vaart, Delft

30.08. – 04.09.2026 (ID: 2636)

Calculus of Variations

Lia Bronsard, Hamilton
Filip Rindler, Coventry
Luca Spolaor, San Diego
László Székelyhidi, Leipzig

13.09. – 18.09.2026 (ID: 2638)

**Quantum Field Theory, Many Particle Systems
and Effective Models**

Volker Bach, Braunschweig
Miguel Ballesteros, Mexico
Annalisa Panati, La Garde
Walter Alberto de Siqueira Pedra, São Paulo

20.09. – 25.09.2026 (ID: 2639)

**Classical and Quantum Mechanical Models
of Many-Particle Systems**

Klemens Fellner, Graz
Isabelle Gallagher, Paris
Pierre-Emmanuel Jabin, College Park
Chiara Saffirio, Basel

27.09. – 02.10.2026 (ID: 2640)

New Developments of Teichmüller Theory

Ara Basmajian, New York
Ken'ichi Ohshika, Tokyo
Beatrice Pozzetti, Heidelberg
Andrea Seppi, Gières

25.10. – 30.10.2026 (ID: 2644)

Character Theory and Categorification

Chris Bowman, York
Eugenio Giannelli, Florence
Alexander Kleshchev, Eugene
Catharina Stroppel, Bonn

01.11. – 06.11.2026 (ID: 2645)

Tropical Geometry and Applications

Ilia Itenberg, Paris
Dhruv Ranganathan, Cambridge UK
Ilya Tyomkin, Be'er Sheva
Annette Werner, Frankfurt

08.11. – 13.11.2026 (ID: 2646)

**Interactions between Representations of Finite
and p-adic Groups**

Olivier Dudas, Marseille
Arnaud Eteve, Bonn
Jessica Fintzen, Bonn
Alexander Ivanov, Bochum

15.11. – 20.11.2026 (ID: 2647)

**Mathematical Logic: Proof Theory,
Constructive Mathematics**

Anton Freund, Würzburg
Antonina Kolokolova, St. John's
Henry Towsner, Philadelphia
Keita Yokoyama, Sendai

29.11. – 04.12.2026 (ID: 2649)

Moduli Spaces and Modular Forms

Ana Botero, Bielefeld
Jan Hendrik Bruinier, Darmstadt
Gerard van der Geer, Amsterdam

06.12. – 11.12.2026 (ID: 2650)

**Mathematics of Unresolved Processes
in Atmosphere–Ocean Dynamics**

Roberta Bianchini, Rome
Peter Korn, Hamburg
Jacques Vanneste, Edinburgh
Nikki Vercauteren, Cologne

13.12. – 18.12.2026 (ID: 2651)

Variational Methods for Evolution

Franca Hoffmann, Pasadena
Sara Merino-Aceituno, Vienna
André Schlichting, Ulm
Dejan Slepčev, Pittsburgh