

Scientific Program 2017

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 junior scientists, can contact the administration of the Institute. Since the number of participants is restricted, not all inquiries can be considered.

01.01.2017 – 07.01.2017 (1701)

Combinatorics

Jeff Kahn, Piscataway
Angelika Steger, Zürich
Benny Sudakov, Zürich

08.01.2017 – 14.01.2017 (1702)

Mini-Workshops (Deadline for Applications: 01.05.2016)

N.N.

15.01.2017 – 21.01.2017 (1703)

Cryptography

Johannes Buchmann, Darmstadt
Shafi Goldwasser, Cambridge MA

22.01.2017 – 28.01.2017 (1704)

Emerging Developments in Interfaces and Free Boundaries

Charles M. Elliott, Warwick
Yoshikazu Giga, Tokyo
Michael Hinze, Hamburg
Vanessa Styles, Brighton

29.01.2017 – 04.02.2017 (1705)

Applications of Optimal Transportation in the Natural Sciences

Jean-David Benamou, Le Chesnay
Virginie Ehrlacher, Marne-la-Vallée
Daniel Matthes, Garching

05.02.2017 – 11.02.2017 (1706)

Mini-Workshops (Deadline for application: 01.05.2016)

N.N.

12.02.2017 – 18.02.2017 (1707)

Set Theory

Ilijas Farah, Toronto
Sy-David Friedman, Wien
Ralf Schindler, Münster
Hugh Woodin, Cambridge MA

19.02.2017 – 25.02.2017 (1708)

Representation Theory of Quivers and Finite Dimensional Algebras

William Crawley-Boevey, Leeds
Osamu Iyama, Nagoya
Henning Krause, Bielefeld

26.02.2017 – 04.03.2017 (1709)

Mathematics of Quantitative Finance

Peter Friz, Berlin
Antoine Jacquier, London
Josef Teichmann, Zürich

05.03.2017 – 11.03.2017 (1710)

Real Algebraic Geometry With a View Toward Moment Problems and Optimization

Didier Henrion, Toulouse
Maria Infusino, Konstanz
Salma Kuhlmann, Konstanz
Victor Vinnikov, Beer-Sheva

12.03.2017 – 18.03.2017 (1711)

Space-time Methods for Time-dependent Partial Differential Equations

Ricardo Nochetto, College Park
Stefan Sauter, Zürich
Christian Wieners, Karlsruhe

19.03.2017 – 25.03.2017 (1712)

Statistical Recovery of Discrete, Geometric and Invariant Structures

Peter Bühlmann, Zürich
Axel Munk, Göttingen
Martin Wainwright, Berkeley
Bin Yu, Berkeley

26.03.2017 – 01.04.2017 (1713)

Multiscale and High-Dimensional Problems

Albert Cohen, Paris
Wolfgang Dahmen, Aachen
Ronald A. DeVore, College Station
Angela Kunoth, Köln

02.04.2017 – 08.04.2017 (1714)

Arbeitsgemeinschaft (Topic tba in summer 2016)

N.N.

09.04.2017 – 15.04.2017 (1715)

Discrete Geometry

Imre Barany, London
Xavier Goaoc, Marne-la-Vallée
Günter Rote, Berlin

16.04.2017 – 22.04.2017 (1716)

Algebraic Statistics

Mathias Drton, Seattle
Thomas Kahle, Magdeburg
Bernd Sturmfels, Berkeley
Caroline Uhler, Klosterneuburg

23.04.2017 – 29.04.2017 (1717)

Algebraic Groups

Corrado De Concini, Roma
Peter Littelmann, Köln
Zinovy Reichstein, Vancouver

30.04.2017 – 06.05.2017 (1718)

O-Minimality and its Applications to Number Theory and Analysis

Tobias Kaiser, Passau
Jonathan Pila, Oxford
Patrick Speissegger, Hamilton
Alex Wilkie, Manchester

07.05.2017 – 13.05.2017 (1719)

Geophysical Fluid Dynamics

Yoshikazu Giga, Tokyo
Matthias Hieber, Darmstadt
Edriss S. Titi, College Station/Rehovot

14.05.2017 – 20.05.2017 (1720)

Computational Inverse Problems for Partial Differential Equations

Liliana Borcea, Ann Arbor
Thorsten Hohage, Göttingen
Barbara Kaltenbacher, Klagenfurt

21.05.2017 – 27.05.2017 (1721)

Harmonic Analysis and the Trace Formula

Werner Müller, Bonn
Sug Woo Shin, Berkeley
Birgit Speh, Ithaca
Nicolas Templier, Ithaca

28.05.2017 – 03.06.2017 (1722)

Stochastic Analysis: Geometry of Random Processes

Alice Guionnet, Lyon
Martin Hairer, Warwick
Grégory Miermont, Lyon

04.06.2017 – 10.06.2017 (1723)

Oberwolfach Seminars (Topics tba in winter 2016)

N.N.

11.06.2017 – 17.06.2017 (1724)

Nonlinear Waves and Dispersive Equations

Herbert Koch, Bonn
Pierre Raphael, Nice
Daniel Tataru, Berkeley
Monica Visan, Los Angeles

- 18.06.2017 – 24.06.2017 (1725a)**
Reaction Networks and Population Dynamics
 Ellen Baake, Bielefeld
 Tom Kurtz, Madison
 Carsten Wiuf, Copenhagen
- 18.06.2017 – 24.06.2017 (1725b)**
Nonlinear Partial Differential Equations on Graphs
 Reika Fukuizumi, Sendai
 Jeremy Marzuola, Chapel Hill
 Dmitry Pelinovsky, Hamilton
 Guido Schneider, Stuttgart
- 25.06.2017 – 01.07.2017 (1726)**
Geometric Structures in Group Theory
 Martin Bridson, Oxford
 Linus Kramer, Münster
 Bertrand Rémy, Palaiseau
 Karen Vogtmann, Warwick
- 02.07.2017 – 08.07.2017 (1727)**
Differentialgeometrie im Großen
 Gerard Besson, Saint Martin d'Hères
 Ursula Hamenstädt, Bonn
 Michael Kapovich, Davis
 Ben Weinkove, Evanston
- 09.07.2017 – 15.07.2017 (1728)**
Dynamische Systeme
 Hakan Eliasson, Paris
 Helmut Hofer, Princeton
 Jean-Christophe Yoccoz, Paris
- 16.07.2017 – 22.07.2017 (1729)**
Material Theories
 Sergio Conti, Bonn
 Antonio DeSimone, Trieste
 Stephan Luckhaus, Leipzig
 Lev Truskinovsky, Palaiseau
- 23.07.2017 – 29.07.2017 (1730)**
Real Analysis, Harmonic Analysis, and Applications
 Michael Christ, Berkeley
 Detlef Müller, Kiel
 Christoph Thiele, Bonn
- 30.07.2017 – 05.08.2017 (1731)**
Partial Differential Equations
 Camillo De Lellis, Zürich
 Richard M. Schoen, Stanford/Irvine
 Peter M. Topping, Warwick
- 06.08.2017 – 12.08.2017 (1732)**
Analysis, Geometry and Topology of Positive Scalar Curvature Metrics
 Bernd Ammann, Regensburg
 Bernhard Hanke, Augsburg
 André Neves, London
- 13.08.2017 – 19.08.2017 (1733)**
Proof Complexity and Beyond
 Albert Atserias, Barcelona
 Jakob Nordström, Stockholm
 Toniann Pitassi, Toronto
 Alexander Razborov, Chicago/Moscow
- 20.08.2017 – 26.08.2017 (1734)**
Low-dimensional Topology and Number Theory
 Paul E. Gunnells, Amherst
 Walter D. Neumann, New York
 Adam S. Sikora, New York
 Don B. Zagier, Bonn
- 27.08.2017 – 02.09.2017 (1735)**
Komplexe Analysis
 Philippe Eyssidieux, Saint Martin d'Hères
 Jun-Muk Hwang, Seoul
 Stefan Kebekus, Freiburg
 Mihai Paun, Seoul
- 03.09.2017 – 09.09.2017 (1736)**
Automorphic Forms and Arithmetic
 Valentin Blomer, Göttingen
 Emmanuel Kowalski, Zürich
 Philippe Michel, Lausanne
- 10.09.2017 – 16.09.2017 (1737)**
Mathematical Questions and Challenges in Quantum Electrodynamics and its Applications
 Volker Bach, Braunschweig
 Miguel Ballesteros, Mexico
 Dirk-André Deckert, München
 Israel Michael Sigal, Toronto
- 17.09.2017 – 23.09.2017 (1738)**
Mini-Workshops (Deadline for applications: 01.03.2017)
 N.N.
- 24.09.2017 – 30.09.2017 (1739)**
Algebraic Geometry: Birational Classification, Derived Categories, and Moduli Spaces
 Christopher Hacon, Salt Lake City
 Daniel Huybrechts, Bonn
 Bernd Siebert, Hamburg
 Chenyang Xu, Beijing
- 01.10.2017 – 07.10.2017 (1740)**
Spectral Structures and Topological Methods in Mathematical Quasicrystals
 Michael Baake, Bielefeld
 David Damanik, Houston
 Johannes Kellendonk, Villeurbanne
 Daniel Lenz, Jena
- 08.10.2017 – 13.10.2017 (1741)**
Arbeitsgemeinschaft (Topic tba in winter 2016)
 N.N.
- 15.10.2017 – 21.10.2017 (1742)**
Oberwolfach Seminars (Topics tba in winter 2016)
 N.N.
- 22.10.2017 – 28.10.2017 (1743)**
Mini-Workshops (Deadline for applications: 01.03.2017)
 N.N.
- 29.10.2017 – 04.11.2017 (1744a)**
Interplay between Number Theory and Analysis for Dirichlet Series
 Frédéric Bayart, Aubière
 Kaisa Matomäki, Turku
 Eero Saksman, Helsinki
 Kristian Seip, Trondheim
- 29.10.2017 – 04.11.2017 (1744b)**
Copositivity and Complete Positivity
 Abraham Berman, Haifa
 Immanuel M. Bomze, Vienna
 Mirjam Dür, Trier
 Naomi Shaked-Monderer, Yezreel Valley
- 05.11.2017 – 11.11.2017 (1745)**
Mathematical Logic: Proof Theory, Constructive Mathematics
 Samuel R. Buss, La Jolla
 Rosalie Iemhoff, Utrecht
 Ulrich Kohlenbach, Darmstadt
 Michael Rathjen, Leeds
- 12.11.2017 – 18.11.2017 (1746)**
Variational Methods for Evolution
 Alexander Mielke, Berlin
 Mark Peletier, Eindhoven
 Dejan Slepcev, Pittsburgh
- 19.11.2017 – 25.11.2017 (1747)**
Oberwolfach Seminars (Topics tba in winter 2016)
 N.N.
- 26.11.2017 – 02.12.2017 (1748)**
Reflection Positivity
 Arthur Jaffe, Harvard
 Karl-Hermann Neeb, Erlangen
 Gestur Olafsson, Baton Rouge
 Benjamin Schlein, Zürich
- 03.12.2017 – 09.12.2017 (1749)**
Classical and Quantum Mechanical Models of Many-Particle Systems
 Anton Arnold, Wien
 Eric Carlen, Piscataway
 Laurent Desvillettes, Cachan
- 10.12.2017 – 16.12.2017 (1750)**
Network Models: Structure and Function
 Louigi Addario-Berry, Montreal
 Shankar Bhamidi, Chapel Hill
 Remco van der Hofstad, Eindhoven
 Frank den Hollander, Leiden
- 17.12.2017 – 23.12.2017 (1751)**
Mathematical Instruments between Material Artifacts and Ideal Machines: Their Scientific and Social Role before 1950
 Samuel Gessner, Lisboa
 Ulf Hashagen, München
 Jeanne Peiffer, Paris
 Dominique Tournès, Sainte-Clotilde