Mathematisches Forschungsinstitut Oberwolfach

Scientific Program 2019

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.

06.01.2019 - 12.01.2019 (ID: 1902)
Graph Theory
Jim Geelen, Waterloo
Daniel Kral, Warwick
Alex Scott, Oxford

13.01.2019 - 19.01.2019 (ID: 1903)
Arithmetic of Shimura Varieties
Laurent Fargues, Paris
Ulrich Goertz, Essen
Eva Viehmann, Garching
Torsten Wedhorn, Darmstadt

20.01.2019 - 26.01.2019 (ID: 1904)
Surface, Bulk, and Geometric Partial Differential Equations: Interfacial, stochastic, non-local and discrete structures
Charles M. Elliott, Warwick
Harald Garcke, Regensburg
Ralf Kornhuber, Berlin

27.01.2019 - 02.02.2019 (ID: 1905)
Tomographic Inverse Problems: Theory and Applications
Martin Burger, Münster
Bernadette Hahn, Würzburg
Eric Todd Quinto, Medford

03.02.2019 - 09.02.2019 (ID: 1906)
Nonlinear Evolution Equations: Analysis and Numerics
Marlis Hochbruck, Karlsruhe
Herbert Koch, Bonn
Sung-Jin Oh, Seoul
Alexander Ostermann, Innsbruck

10.02.2019 - 16.02.2019 (ID: 1907)
Singularities and Homological Aspects of Commutative Algebra
Aldo Conca, Genova
Steven Dale Cutkosky, Columbia
Srikanth Iyengar, Salt Lake City

17.02.2019 - 23.02.2019 (ID: 1908)
Moist Processes in the Atmosphere
Boualem Khouider, Victoria
Rupert Klein, Berlin
Leslie Smith, Madison

24.02.2019 - 02.03.2019 (ID: 1909)
Non-Archimedean Geometry and Applications
Vladimir Berkovich, Rehovot
Walter Gubler, Regensburg
Peter Schneider, Münster
Annette Werner, Frankfurt

03.03.2019 - 09.03.2019 (ID: 1910x)
Mini-Workshops
(Deadline for application: 01.09.2018)
N.N.

10.03.2019 - 16.03.2019 (ID: 1911)
Uncertainty Quantification
Oliver Ernst, Chemnitz
Fabio Nobile, Lausanne
Claudia Schillings, Mannheim
Tim Sullivan, Berlin

17.03.2019 - 23.03.2019 (ID: 1912)
Contemporary Coding Theory
Marcus Greferath, Aalto
Camilla Hollanti, Aalto
Joachim Rosenthal, Zürich

24.03.2019 - 30.03.2019 (ID: 1913)
Representations of Finite Groups
Joseph Chuang, London
Meinolf Geck, Stuttgart
Radha Kessar, London
Gabriel Navarro, València

31.03.2019 - 06.04.2019 (ID: 1914)
Arbeitsgemeinschaft
(To be announced in summer 2018)
N.N.

07.04.2019 - 13.04.2019 (ID: 1915x)
Mini-Workshops
(Deadline for application: 01.09.2018)
N.N.

14.04.2019 - 20.04.2019 (ID: 1916)
Combinatorics, Probability and Computing
Michael Krivelevich, Tel Aviv
Oliver Riordan, Oxford
Angelika Steger, Zürich

21.04.2019 - 27.04.2019 (ID: 1917)
Mathematical Methods in Quantum Molecular Dynamics
Tucker Carrington, Kingston
George A. Hagedorn, Blacksburg
Caroline Lasser, Munich

28.04.2019 - 04.05.2019 (ID: 1918)
Tropical Geometry: new directions
Ilia Itenberg, Paris
Hannah Markwig, Tübingen
Grigory Mikhalkin, Genève
Eugenii Shustin, Tel Aviv

05.05.2019 - 11.05.2019 (ID: 1919)
Statistical and Computational Aspects of Learning with Complex Structure
Sara van de Geer, Zürich
Markus Reiß, Berlin
Philippe Rigollet, Boston

12.05.2019 - 18.05.2019 (ID: 1920)
Geometry and Physics of Higgs Bundles
Lara B. Anderson, Blacksburg
Tamás Hausel, Klosterneuburg
Rafe Mazzeo, Stanford
Laura P. Schaposnik, Chicago

19.05.2019 - 25.05.2019 (ID: 1921)
Nonlinear Hyperbolic Problems: modeling, analysis, and numerics
Rinaldo M. Colombo, Brescia
Philippe G. LeFloch, Paris
Christian Rohde, Stuttgart
Konstantina Trivisa, College Park

26.05.2019 - 01.06.2019 (ID: 1922)
Foundations and New Horizons for Causal Inference
Nicolai Meinshausen, Zürich
Jonas Peters, Copenhagen
Thomas Richardson, Seattle
Bernhard Schölkopf, Tübingen

02.06.2019 - 08.06.2019 (ID: 1923)
Mixed-integer Nonlinear Optimization: a hatchery for modern mathematics
Leo Liberti, Palaiseau
Sebastian Sager, Magdeburg
Angelika Wiegele, Klagenfurt

09.06.2019 - 15.06.2019 (ID: 1924x)
Oberwolfach Seminars
(To be announced in December 2018)
N.N.

16.06.2019 - 22.06.2019 (ID: 1925a)
Logarithmic Enumerative Geometry and Mirror Symmetry
Dan Abramovich, Providence
Michel van Garrel, Hamburg
Helge Ruddat, Mainz

16.06.2019 - 22.06.2019 (ID: 1925b)
Statistical Methodology and Theory for Functional and Topological Data
Aurore Delaigle, Victoria
Alexander Meister, Rostock
Victor Panaretos, Lausanne
Larry Wasserman, Pittsburgh

23.06.2019 - 29.06.2019 (ID: 1926)
Algebraic K-theory
Thomas Geisser, Tokyo
Lars Hesselholt, Copenhagen
Annette Huber-Klawitter, Freiburg
Moritz Kerz, Regensburg

30.06.2019 - 06.07.2019 (ID: 1927)
Differentialgeometrie im Grossen
Gerard Besson, Giéres
Ursula Hamenstädt, Bonn
Michael Kapovich, Davis
Ben Weinkove, Evanston

07.07.2019 - 13.07.2019 (ID: 1928)
Dynamische Systeme
Hakan Eliasson, Paris
Helmut Hofer, Princeton
Vadim Kaloshin, College Park

14.07.2019 - 20.07.2019 (ID: 1929a)
Mathematical Theory of Water Waves
Mark Groves, Saarbrücken
Mariana Haragus, Besancon
Erik Wahlén, Lund

14.07.2019 - 20.07.2019 (ID: 1929b)
Mathematical Foundations of Isogeometric Analysis
Annalisa Buffa, Lausanne
Tom Hughes, Austin
Angela Kunoth, Köln
Carla Manni, Roma

21.07.2019 - 27.07.2019 (ID: 1930)
Partial Differential Equations
Guido De Philippis, Trieste
Richard M. Schoen, Irvine
Peter M. Topping, Warwick

28.07.2019 - 03.08.2019 (ID: 1931)
Computational Multiscale Methods
Björn Engquist, Austin
Daniel Peterseim, Augsburg

04.08.2019 - 10.08.2019 (ID: 1932)
Homotopy Theory
Jesper Grodal, Copenhagen
Michael Hill, Los Angeles
Birgit Richter, Hamburg

11.08.2019 - 17.08.2019 (ID: 1933)
C*-Algebras
Mikael Rørdam, Copenhagen
Dima Shlyakhtenko, Los Angeles
Andreas Thom, Dresden
Stefaan Vaes, Leuven

18.08.2019 - 24.08.2019 (ID: 1934)
Mathematical Aspects of Hydrodynamics
Peter Constantin, Princeton
Anna Mazzucato, State College
Gregory Seregin, Oxford
Edriss S. Titi, Rehovot/College Station

25.08.2019 - 31.08.2019 (ID: 1935)
Geometric, Algebraic, and Topological Combinatorics
Gil Kalai, Jerusalem
Isabella Novik, Seattle
Francisco Santos, Santander
Volkmar Welker, Marburg

01.09.2019 - 07.09.2019 (ID: 1936)
Innovative Approaches to the Numerical Approximation of PDEs
Stephan Dahlke, Marburg
Gitta Kutyniok, Berlin
Ricardo H. Nochetto, College Park
Rob Stevenson, Amsterdam

08.09.2019 - 14.09.2019 (ID: 1937)
Many-Body Quantum Systems
Christian Hainzl, Tübingen
Benjamin Schlein, Zürich
Robert Seiringer, Klosterneuburg
Simone Warzel, München

15.09.2019 - 21.09.2019 (ID: 1938)
Large Scale Stochastic Dynamics
Thierry Bodineau, Palaiseau
Fabio Toninelli, Lyon
Bálint Tóth, Bristol/Budapest

22.09.2019 - 28.09.2019 (ID: 1939)
Toric Geometry
Jürgen Hausen, Tübingen
Hal Schenck, Ames
Diane Maclagan, Warwick

29.09.2019 - 05.10.2019 (ID: 1940)
New Developments in Representation Theory of p-adic Groups
Jessica Fintzen, Ann Arbor/Cambridge
Wee Teck Gan, Singapore
Shuichiro Takeda, Columbia

06.10.2019 - 12.10.2019 (ID: 1941x)
Mini-Workshops
(Deadline for application: 01.04.2019)
N.N.

13.10.2019 - 18.10.2019 (ID: 1942)
Arbeitsgemeinschaft
(To be announced in winter 2018)
N.N.

20.10.2019 - 26.10.2019 (ID: 1943x)
Oberwolfach Seminars
(To be announced in December 2018)
N.N.

27.10.2019 - 02.11.2019 (ID: 1944)
Subfactors and Applications
Dietmar Bisch, Nashville
Terry Gannon, Edmonton
Vaughan Jones, Nashville
Yasuyuki Kawahigashi, Tokyo

03.11.2019 - 09.11.2019 (ID: 1945)
Analytic Number Theory
Jörg Brüdern, Göttingen
Kaisa Matomäki, Turku
Robert C. Vaughan, State College
Trevor D. Wooley, Bristol

10.11.2019 - 16.11.2019 (ID: 1946x)
Mini-Workshops
(Deadline for application: 01.04.2019)
N.N.

17.11.2019 - 23.11.2019 (ID: 1947)
Heat Kernels, Stochastic Processes and Functional Inequalities
Masha Gordina, Storrs
Takashi Kumagai, Kyoto
Laurent Saloff-Coste, Ithaca
Karl-Theodor Sturm, Bonn

24.11.2019 - 30.11.2019 (ID: 1948x)
Oberwolfach Seminars
(To be announced in December 2018)
N.N.

01.12.2019 - 07.12.2019 (ID: 1949)
Groups, Dynamics, and Approximation
Emmanuel Breuillard, Münster
Alex Furman, Chicago
Nicolas Monod, Lausanne
Andreas Thom, Dresden

08.12.2019 - 14.12.2019 (ID: 1950)
Random Matrices
László Erdös, Klosterneuburg
Friedrich Götze, Bielefeld
Alice Guionnet, Lyon

15.12.2019 - 21.12.2019 (ID: 1951)
Modular Forms
Jan Hendrik Bruinier, Darmstadt
Atsushi Ichino, Kyoto
Tamotsu Ikeda, Kyoto
Özlem Imamoglu, Zürich