



Mathematisches Forschungsinstitut Oberwolfach

Scientific Programmes 2012

Participants of the workshops at Oberwolfach are invited personally by the Director of the Institute. The participation is subject to such an invitation. Interested researchers, in particular young mathematicians, can contact the administration of the Institute. Since the number of participants is restricted, not all inquiries can be considered. More information is available on our website: <http://www.mfo.de> or <http://www.oberwolfach.org>

01.01.-07.01.2012 Organisers: Mini-Workshops (Deadline for Applications: 12.06.2011) N.N.	22.04.-28.04.2012 Organisers: Singularity Theory and Integrable Systems Boris Dubrovin, Trieste Claus Hertling, Mannheim Ian B. Strachan, Glasgow Katrin Wendland, Augsburg	19.08.-25.08.2012 Organisers: Optimal and Near Optimal Configurations on Lattices and Manifolds Christine Bachoc, Bordeaux Peter Grabner, Graz Edward B. Saff, Nashville Achill Schürmann, Rostock
08.01.-14.01.2012 Organisers: Explicit Versus Tacit Knowledge in Mathematics Tom Archibald, Burnaby Jeanne Peiffer, Paris Norbert Schappacher, Strasbourg	29.04.-05.05.2012 Organisers: Triangulations William H. Jaco, Stillwater Frank H. Lutz, Berlin Francisco Santos, Santander John M. Sullivan, Berlin	19.08.-25.08.2012 Organisers: Rough Paths and PDEs Dan Crisan, London Peter Friz, Berlin Massimiliano Gubinelli, Paris
15.01.-21.01.2012 Organisers: Recent Developments in the Numerics of Nonlinear Hyperbolic Conservation Laws and their Use in Science and Engineering Rainer Ansorge, Hamburg Hester Bijl, Delft Andreas Meister, Kassel Thomas Sonar, Braunschweig	06.05.-12.05.2012 Organisers: Analysis and Geometric Singularities Jochen Brüning, Berlin Rafe Mazzeo, Stanford Paolo Piazza, Roma	26.08.-01.09.2012 Organisers: Low-Dimensional Topology and Number Theory Paul E. Gunnells, Amherst Walter Neumann, New York Adam S. Sikora, New York Don Zagier, Bonn
22.01.-28.01.2012 Organisers: Interplay of Analysis and Probability in Physics Wolfgang König, Berlin Peter Mörters, Bath Mark Peletier, Eindhoven Johannes Zimmer, Bath	13.05.-19.05.2012 Organisers: Nonlinear Evolution Problems Klaus Ecker, Berlin Jalal Shatah, New York Gigliola Staffilani, Boston Michael Struwe, Zürich	02.09.-08.09.2012 Organisers: Komplexe Analysis Jean-Pierre Demailly, Grenoble Klaus Hulek, Hannover Thomas Peternell, Bayreuth
29.01.-04.02.2012 Organisers: The Mathematics and Statistics of Quantitative Risk Management Richard A. Davis, New York Paul Embrechts, Zürich Thomas Mikosch, Copenhagen	20.05.-26.05.2012 Organisers: Geometrie John Lott, Berkeley Iskander Taimanov, Novosibirsk Burkhard Wilking, Münster	09.09.-15.09.2012 Organisers: Scaling Limits in Models of Statistical Mechanics Kenneth Alexander, Los Angeles Marek Biskup, Los Angeles Remco van der Hofstad, Eindhoven Vladas Sidoravicius, Rio de Janeiro
05.02.-11.02.2012 Organisers: Computability Theory Klaus Ambos-Spies, Heidelberg Rodney G. Downey, Wellington Steffen Lempp, Madison Wolfgang Merkle, Heidelberg	27.05.-02.06.2012 Organisers: Oberwolfach Seminars (Subjects will be announced in winter 2011) N.N.	16.09.-22.09.2012 Organisers: Topologie Thomas Schick, Göttingen Peter Teichner, Berkeley/Bonn Nathalie Wahl, Copenhagen Michael Weiss, Aberdeen
12.02.-18.02.2012 Organisers: Advanced Computational Engineering Olivier Allix, Cachan Carsten Carstensen, Berlin Jörg Schröder, Essen Peter Wriggers, Hannover	03.06.-09.06.2012 Organisers: Invariants in Low-Dimensional Topology and Knot Theory Selman Akbulut, East Lansing Stefan A. Bauer, Bielefeld Louis H. Kauffman, Chicago Vassily O. Manturov, Moscow	23.09.-29.09.2012 Organisers: Singularities Andras Nemethi, Budapest Duco van Straten, Mainz Victor Vassiliev, Moscow
19.02.-25.02.2012 Organisers: Theory and Applications of Discontinuous Galerkin Methods Susanne C. Brenner, Baton Rouge Ronald H.W. Hoppe, Augsburg Beatrice Riviere, Houston	10.06.-16.06.2012 Organisers: Applied Harmonic Analysis and Sparse Approximation Ingrid Daubechies, Durham NC Gitta Kutyniok, Osnabrück Holger Rauhut, Bonn Thomas Strohmer, Davis	30.09.-06.10.2012 Organisers: Mini-Workshops (Deadline for Applications: 18.03.2012) N.N.
19.02.-25.02.2012 Organisers: Inverse Problems for Partial Differential Equations Martin Hanke-Bourgeois, Mainz Andreas Kirsch, Karlsruhe William Rundell, Austin Matti Lassas, Helsinki	17.06.-23.06.2012 Organisers: Classical Algebraic Geometry Olivier Debarre, Strasbourg David Eisenbud, Berkeley Frank Schreyer, Saarbrücken Ravi Vakil, Stanford	07.10.-13.10.2012 Organisers: Arbeitsgemeinschaft (Subject will be announced in summer 2012) N.N.
26.02.-03.03.2012 Organisers: Control Theory: Mathematical Perspectives on Complex Networked Systems Frank Allgöwer, Stuttgart Vincent Blondel, Louvain-la-Neuve Uwe Helmke, Würzburg	24.06.-30.06.2012 Organisers: Learning Theory and Approximation Kurt Jetter, Hohenheim Steve Smale, Hong Kong Ding-Xuan Zhou, Hong Kong	14.10.-20.10.2012 Organisers: Oberwolfach Seminars (Subjects will be announced in winter 2011) N.N.
04.03.-10.03.2012 Organisers: Enveloping Algebras and Geometric Representation Theory Shrawan Kumar, Chapel Hill Peter Littelmann, Köln Wolfgang Soergel, Freiburg	01.07.-07.07.2012 Organisers: Reductions of Shimura Varieties Laurent Fargues, Orsay Ulrich Görtz, Essen Eva Viehmann, Bonn Torsten Wedhorn, Paderborn	21.10.-27.10.2012 Organisers: Computational Inverse Problems Habib Ammari, Paris Liliana Borcea, Houston Thorsten Hohage, Göttingen Barbara Kaltenbacher, Graz
11.03.-17.03.2012 Organisers: Frontiers in Nonparametric Statistics Peter Bühlmann, Zürich Tony Cai, Philadelphia Axel Munk, Göttingen Bin Yu, Berkeley	01.07.-07.07.2012 Organisers: Geometric Aspects of Spectral Theory Michiel van den Berg, Bristol Daniel Grieser, Oldenburg Thomas Hoffmann-Ostenhof, Vienna Iosif Polterovich, Montreal	28.10.-03.11.2012 Organisers: C*-Algebras, Dynamics, and Classification Joachim Cuntz, Münster George A. Elliott, Toronto Andrew Toms, West Lafayette Wilhelm Winter, Nottingham
18.03.-24.03.2012 Organisers: Mechanics of Materials Reinhold Kienzler, Bremen David L. McDowell, Atlanta Stefan Müller, Bonn Ewald A. Werner, München	08.07.-14.07.2012 Organisers: Discrete Differential Geometry Alexander I. Bobenko, Berlin Richard Kenyon, Providence Peter Schröder, Pasadena Günter M. Ziegler, Berlin	04.11.-10.11.2012 Organisers: Non-Archimedean Analytic Geometry Vladimir Berkovich, Rehovot Walter Gubler, Tübingen Annette Werner, Frankfurt
25.03.-31.03.2012 Organisers: Representations of Finite Groups Joseph Chuang, London Markus Linckelmann, Aberdeen Gunter Malle, Kaiserslautern Jeremy Rickard, Bristol	15.07.-21.07.2012 Organisers: Geometric Group Theory, Hyperbolic Dynamics and Symplectic Geometry Gerhard Knieper, Bochum Leonid Polterovich, Tel Aviv/Chicago Leonid Potyagailo, Villeneuve d Ascq	11.11.-17.11.2012 Organisers: Complexity Theory Peter Bürgisser, Paderborn Oded Goldreich, Rehovot Madhu Sudan, Cambridge MA Saliil Vadhan, Cambridge MA
01.04.-07.04.2012 Organisers: Arbeitsgemeinschaft (Subject will be announced in winter 2011) N.N.	22.07.-28.07.2012 Organisers: Calculus of Variations Camillo De Lellis, Zürich Gerhard Huisken, Golm Robert Jerrard, Toronto	18.11.-24.11.2012 Organisers: Oberwolfach Seminars (Subjects will be announced in winter 2011) N.N.
08.04.-14.04.2012 Organisers: Mini-Workshops (Deadline for Applications: 18.09.2011) N.N.	29.07.-04.08.2012 Organisers: Mathematical Aspects of General Relativity Mihalis Dafermos, Cambridge UK Jim Isenberg, Eugene Hans Ringström, Stockholm	25.11.-01.12.2012 Organisers: Mini-Workshops (Deadline for Applications: 18.03.2012) N.N.
15.04.-21.04.2012 Organisers: Toric Geometry Klaus Altmann, Berlin Victor Batyrev, Tübingen Yael Karshon, Toronto	05.08.-11.08.2012 Organisers: Arithmetic Geometry Gerd Faltings, Bonn Johan de Jong, New York	02.12.-08.12.2012 Organisers: Mathematical and Algorithmic Aspects of Atmosphere-Ocean Data Assimilation Andreas Griewank, Berlin Sebastian Reich, Potsdam Ian Roulstone, Surrey Andrew Stuart, Coventry
22.04.-28.04.2012 Organisers: Diophantische Approximationen Yann Bugeaud, Strasbourg Yuri Nesterenko, Moscow	12.08.-18.08.2012 Organisers: Mathematical Aspects of Hydrodynamics Peter Constantin, Chicago Gregory Seregin, Oxford	09.12.-15.12.2012 Organisers: Convex Geometry and its Applications Keith M. Ball, London Martin Henk, Magdeburg Monika Ludwig, Wien
		16.12.-22.12.2012 Organisers: Dynamics of Patterns Wolf-Jürgen Beyn, Bielefeld Bernold Fiedler, Berlin Björn Sandstede, Providence