

**The American Mathematical Society**  
**Mathematics Research Communities, 2008 – 2017**

**2008**

- ***Teichmüller Theory and Low-Dimensional Topology***, June 14–20, 2008. Organizers: **Francis Bonahon**, University of Southern California; **Howard Masur**, University of Illinois at Chicago; **Abigail Thompson**, University of California at Davis; and **Genevieve Walsh**, Tufts University.
- ***Scientific Computing and Advanced Computation***, June 21–27, 2008. Organizers: **John Bell**, Lawrence Berkeley National Laboratory; **Randall LeVeque**, University of Washington; **Juan Meza**, Lawrence Berkeley National Laboratory.
- ***Computational Algebra and Convexity***, June 21–27, 2008. Organizers: **Henry Schenck**, University of Illinois at Urbana-Champaign; **Michael Stillman**, Cornell University; **Jan Verschelde**, University of Illinois at Chicago.

**2009**

- ***Mathematical Challenges of Relativity***, June 13-19, 2009. Organizers: **Mihalis Dafermos**, University of Cambridge; **Alexandru Ionescu**, University of Wisconsin, Madison; **Sergiu Klainerman**, Princeton University; **Richard Schoen**, Stanford University.
- ***Inverse Problems***, June 20-26, 2009. Organizers: **Guillaume Bal**, Columbia University; **Allan Greenleaf**, University of Rochester; **Todd Quinto**, Tufts University; **Gunther Uhlmann**, University of Washington
- ***Modern Markov Chains and their Statistical Applications***, June 27-July 3, 2009. Organizers: **Persi Diaconis**, Stanford University; **Jim Hobert**, University of Florida; **Susan Holmes**, Stanford University
- ***Harmonic Analysis***, June 27- July 3, 2009. Organizers: **Ciprian Demeter**, Indiana University; **Michael Lacey**, Georgia Institute of Technology; **Christoph Thiele**, University of California, Los Angeles.

**2010**

- ***Birational Geometry and Moduli Spaces***, June 12-18, 2010. Organizers: **Dan Abramovich**, Brown University; **Izzet Coskun**, University of Illinois at Chicago; **Tommàso de Fernex**, University of Utah; **Angela Gibney**, University of Georgia; **James McKernan**, Massachusetts Institute of Technology, assisted by **Emanuele Macri**, University of Utah
- ***Model Theory of Fields***, June 19–25, 2010. Organizers: **Antoine Chambert-Loir**, Université de Rennes 1; **Françoise Delon**, CNRS, Université Diderot-Paris 7; **Ehud Hrushovski**, Hebrew University; **François Loeser**, École Normale Supérieure; **Thomas Scanlon**, University of California, Berkeley; **Carol Wood**, Wesleyan University
- ***Commutative Algebra***, June 26 – July 2, 2010. Organizers: **David Eisenbud**, University of California, Berkeley; **Craig Huneke**, University of Kansas,

**Mircea Mustata**, University of Michigan; **Claudia Polini**, University of Notre Dame

## 2011

- ***The Geometry of Real Projective Structures***, June 12 – 18, 2011. Organizers: **Virginie Charette**, Université de Sherbrooke; **Daryl Cooper**, University of California, Santa Barbara; **William Goldman**, University of Maryland; **Anna Wienhard**, Princeton University
- ***Computational and Applied Topology***, June 19 - 25, 2011. Organizers: **Gunnar Carlsson**, Stanford University; **Robert Ghrist**, University of Pennsylvania; **Benjamin Mann**, Ayasdi, Inc.
- ***The Pretentious View of Analytic Number Theory***, June 26 – July 2, 2011. Organizers: **Andrew Granville**, Université de Montréal; **Dimitris Koukoulopoulos**, Université de Montréal; **Youness Lamzouri**, University of Illinois at Urbana-Champaign; **Kannan Soundararajan**, Stanford University; **Frank Thorne**, Stanford University

## 2012

- ***Discrete and Computational Geometry***, June 10-16, 2012. Organizers: **Satyan Devadoss**, Williams College; **Vida Dujmovic**, Carleton University; **Joseph O'Rourke**, Smith College; **Yusu Wang**, The Ohio State University
- ***Partial Differential Equations, Harmonic Analysis, Complex Analysis, and Geometric Measure Theory***, June 17-23, 2012. Organizers: **Dorina Mitrea**, University of Missouri at Columbia; **Irina Mitrea**, Temple University; **Katharine Ott**, University of Kentucky
- ***Geometry and Representation Theory Related to Geometric Complexity and Other Variants of P v. NP***, June 17-23, 2012. Organizers: **Shrawan Kumar**, University of North Carolina, Chapel Hill; **J. M. Landsberg**, Texas A&M University; **Jerzy Weyman**, Northeastern University
- ***Arithmetic Statistics***, June 24-30, 2012. Organizers: **Brian Conrey**, American Institute of Mathematics; **Chantal David**, Concordia University; **Wei Ho**, Columbia University; **Michael Rubinstein**, University of Waterloo; **Nina Snaith**, University of Bristol; **William Stein**, University of Washington

## 2013

- ***Complex Dynamics***, June 9 – 15, 2013. Organizers: **Laura DeMarco**, University of Illinois at Chicago; **Adam Epstein**, University of Warwick; **Sarah Koch**, Harvard University
- ***Tropical and Nonarchimedean Analytic Geometry***, June 9 – 15, 2013. Organizers: **Matt Baker**, Georgia Institute of Technology; **Sam Payne**, Yale University
- ***Geometric Group Theory***, June 16 – 22, 2013. Organizers: **Ruth Charney**, Brandeis University; **Tullia Dymarz**, University of Wisconsin, Madison; **Dan Margalit**, Georgia Institute of Technology; **Kim Ruane**, Tufts University; **Kevin Wortman**, University of Utah

- ***Regularity Problems for Nonlinear Partial Differential Equations Modeling Fluids and Complex Fluids***, June 25 - July 1, 2013. Organizers: **Peter Constantin**, Princeton University; **Gautam Iyer**, Carnegie Mellon University; **Igor Kukavica**, University of Southern California; **Helena Nussenzeig-Lopes**, Universidade Federal do Rio de Janeiro; **Jiahong Wu**, Oklahoma State University

## 2014

- ***Cluster Algebras***, June 8 – 14, 2014. Organizers: **Michael Gekhtman**, University of Notre Dame; **Mark Gross**, University of California, San Diego; **Gregg Musiker**, University of Minnesota; **David Speyer**, University of Michigan; **Gordana Todorov**, Northeastern University
- ***Algebraic and Geometric Methods in Applied Discrete Mathematics***, June 15 – 21, 2014. Organizers: **Carina Curto**, University of Nebraska-Lincoln; **Jesus A. De Loera**, University of California, Davis; **Christine Heitsch**, Georgia Institute of Technology; **Michael Orrison**, Harvey Mudd College; **Francis Edward Su**, Harvey Mudd College
- ***Mathematics of Quantum Phases of Matter and Quantum Information***, June 24 – 30, 2014. Organizers: **Siu-Hung Ng**, Iowa State University and Louisiana State University; **Eric C. Rowell**, Texas A&M University; **Zhenghan Wang**, Microsoft Station Q and U.C. Santa Barbara
- ***Network Science***, June 24 – 30, 2014. Organizers: **Aaron Clauset**, University of Colorado, Boulder; **David Kempe**, University of Southern California; **Mason A. Porter**, University of Oxford

## 2015

- ***Commutative Algebra***, June 7 – 13, 2015. Organizers: **Srikanth B. Iyengar**, University of Utah; **Karl Schwede**, University of Utah; **Liana Segal**, University of Missouri—Kansas City; **Gregory G. Smith**, Queen’s University; **Wenliang Zhang**, University of Nebraska
- ***Financial Mathematics***, June 14 – 20, 2015. Organizers: **Maxim Bichuch**, Worcester Polytechnic Institute; **Michael Carlisle**, Baruch College, CUNY; **Olympia Hadjiliadis**, Brooklyn College and Graduate Center, CUNY; **Birgit Rudloff**, Princeton University; **Stephan Sturm**, Worcester Polytechnic Institute
- ***Differential Equations, Probability and Sea Ice***, June 21 – 27, 2015. Organizers: **Daniel Feltham**, University of Reading; **Kenneth M. Golden**, University of Utah; **Mary Silber**, Northwestern University; **Court Strong**, University of Utah; **Deborah Sulsky**, University of New Mexico

## 2016

- ***Lie group representations, discretization, and Gelfand pairs***, June 5 – 11, 2016. Organizers: **Bradley Currey**, Saint Louis University; **Gestur Olafsson**, Louisiana State University; **Gail Ratcliff**, East Carolina University

- *Character Varieties: Experiments and New Frontiers*, June 5– 11, 2016. Organizers: **Sean Lawton**, George Mason University; **Christopher Manon**, George Mason University; **Adam Sikora**, State University of New York at Buffalo
- *Algebraic Statistics*, June 12 – 18, 2016. Organizers: **Mathias Drton**, University of Washington; **Elizabeth Gross**, San Jose State University; **Serkan Hosten**, San Francisco State University; **David Kahle**, Baylor University; **Sonja Petrovic**, Illinois Institute of Technology
- *Mathematics in Physiology and Medicine*, June 19 – 25, 2016. Organizers: **Dan Beard**, University of Michigan; **Brian Carlson**, University of Michigan; **Adam Mahdi**, University of Oxford; **Mette Olufsen**, North Carolina State University; **Johnny Ottesen**, Roskilde University

## 2017

- *Homotopy Type Theory*, June 4 – 10, 2017. Organizers: **Dan Christensen**, University of Western Ontario; **Chris Kapulkin**, University of Western Ontario; **Dan Licata**, Wesleyan University; **Emily Riehl**, Johns Hopkins University; **Mike Shulman**, University of San Diego
- *Beyond Planarity: Crossing Numbers of Graphs*, June 11 – 17, 2017. **Éva Czabarka**, University of South Carolina; **Silvia Fernández-Merchant**, California State University Northridge; **Gelasio Salazar**, Universidad Autonoma de San Luis Potosi; **Marcus Schaefer**, DePaul University; **László Székely**, University of South Carolina
- *Dynamical Systems: Smooth, Symbolic, and Measurable*, June 11 – 18, 2017. **Jon Chaika**, University of Utah; **Vaughn Climenhaga**, University of Houston; **Boris Hasselblatt**, Tufts University; **Dmitry Kleinbock** (Brandeis University); **Bryna Kra**, Northwestern University; **Daniel J. Thompson**, Ohio State University