

Oct. 2008

# Meetings & Conferences of the AMS (American Mathematics Society)

**IMPORTANT INFORMATION REGARDING MEETINGS PROGRAMS:** AMS Sectional Meeting programs do not appear in the print version of the *Notices*. However, comprehensive and continually updated meeting and program information with links to the abstract for each talk can be found on the AMS website. See <http://www.ams.org/meetings/>. Final programs for Sectional Meetings will be archived on the AMS website accessible from the stated URL and in an electronic issue of the *Notices* as noted below for each meeting.

## Kalamazoo, Michigan

*Western Michigan University*

**October 17-19, 2008**

*Friday - Sunday*

### Meeting #1043

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: August 2008

Program first available on AMS website: September 4, 2008

Program issue of electronic *Notices*: October 2008

Issue of *Abstracts*: Volume 29, Issue 4

### Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: Expired

*The scientific information listed below may be dated. For the latest information, see [www.ams.org/amsmtgs/sectional.html](http://www.ams.org/amsmtgs/sectional.html).*

### Invited Addresses

**M. Carme Calderer**, University of Minnesota, *Title to be announced.*

**Alexandru Ionescu**, University of Wisconsin, *Global Schrodinger maps: Small data in the critical Sobolev spaces.*

**Boris S. Mordukhovich**, Wayne State University, *Variational analysis: New trends and applications.*

**David Nadler**, Northwestern University, *Representation theory via topological field theory.*

### Special Sessions

*Affine Algebraic Geometry*, **Shreeram Abhyankar**, Purdue University, **Anthony J. Crachiola**, Saginaw Valley State University, and **Leonid G. Makar-Limanov**, Wayne State University.

*Computation in Modular Representation Theory and Cohomology*, **Christopher P. Bendel**, University of Wisconsin-

sin-Stout, **Terrell L. Hodge**, Western Michigan University, **Brian J. Parshall**, University of Virginia, and **Cornelius Pillen**, University of South Alabama.

*Computational Group Theory*, **Luise-Charlotte Kappe**, State University of New York Binghamton, **Arturo Magidin**, University of Louisiana-Lafayette, and **Robert F. Morse**, University of Evansville.

*Graph Labeling, Graph Coloring, and Topological Graph Theory*, **Arthur T. White**, Western Michigan University, and **David L. Craft**, Muskingum College.

*Homotopy Theory*, **Michele Intermont**, Kalamazoo College, and **John R. Martino** and **Jeffrey A. Strom**, Western Michigan University.

*Linear Codes Over Rings and Modules*, **Steven T. Dougherty**, University of Scranton, and **Jay A. Wood**, Western Michigan University.

*Mathematical Finance*, **Qiji J. Zhu**, Western Michigan University, and **George Yin**, Wayne State University.

*Mathematical Knowledge for Teaching*, **Kate Kline** and **Christine Browning**, Western Michigan University.

*Nonlinear Analysis and Applications*, **S. P. Singh**, University of Western Ontario, **Bruce B. Watson**, Memorial University, and **Mahi Singh**, University of Western Ontario.

*Optimization/Midwest Optimization Seminar*, **Jay S. Treiman** and **Yuri Ledyae**, Western Michigan University, and **Ilya Shvartsman**, Penn State Harrisburg.

*Quasigroups, Loops, and Nonassociative Division Algebras*, **Clifton E. Ealy Jr.** and **David Richter**, Western Michigan University, and **Petr Vojtechovsky**, University of Denver.

*Representations of Real and P-adic Lie Groups*, **Alessandra Pantano**, University of California Irvine, **Annegret Paul**, Western Michigan University, and **Susana Alicia Salamanca-Riba**, New Mexico State University.

*Topological Field Theory*, **David Nadler**, Northwestern University.

*Variational Analysis and its Applications*, **Yuri Ledyae** and **Jay S. Treiman**, Western Michigan University, **Ilya Shvartsman**, Penn State Harrisburg, and **Qiji J. Zhu**, Western Michigan University.

**Zhi-Ming Ma**, Chinese Academy of Sciences, *Title to be announced.*

**Richard Schoen**, Stanford University, *Title to be announced.*

**Xiaoping Yuan**, Fudan University, *Title to be announced.*

**Weiping Zhang**, Chern Institute, *Title to be announced.*

**Special Sessions**

*Biomathematics: Newly Developed Applied Mathematics and New Mathematics Arising from Biosciences*, **Banghe Li**, Chinese Academy of Sciences, **Reinhard C. Laubenbacher**, Virginia Bioinformatics Institute, and **Jianjun Paul Tian**, College of William and Mary.

*Combinatorics and Discrete Dynamical Systems*, **Reinhard C. Laubenbacher**, Virginia Bioinformatics Institute, **Klaus Sutner**, Carnegie Mellon University, and **Yaokun Wu**, Shanghai Jiao Tong University.

*Differential Geometry and Its Applications*, **Jianguo Cao**, University of Notre Dame, and **Yu Xin Dong**, Fudan University.

*Dynamical Systems Arising in Ecology and Biology*, **Qishao Lu**, Beijing University of Aeronautics & Astronautics, and **Zhaosheng Feng**, University of Texas-Pan American.

*Elliptic and Parabolic Nonlinear Partial Differential Equations*, **Changfeng Gui**, University of Connecticut, and **Feng Zhou**, East China Normal University.

*Harmonic Analysis and Partial Differential Equations with Applications*, **Yong Ding**, Beijing Normal University, **Guo-Zhen Lu**, Wayne State University, and **Shanzhen Lu**, Beijing Normal University.

*Integrable System and Its Applications*, **En-Gui Fan**, Fudan University, **Sen-Yue Lou**, Shanghai Jiao Tong University and Ningbo University, and **Zhi-Jun Qiao**, University of Texas-Pan American.

*Integral and Convex Geometric Analysis*, **Deane Yang**, Polytechnic University, and **Jiazu Zhou**, Southwest University.

*Lie Algebras, Vertex Operator Algebras and Related Topics*, **Hu Nai Hong**, East China Normal University, and **Yi-Zhi Huang**, Rutgers University.

*Nonlinear Systems of Conservation Laws and Related Topics*, **Gui-Qiang Chen**, Northwestern University, and **Shuxing Chen** and **Yi Zhou**, Fudan University.

*Optimization and Its Application*, **Shu-Cherng Fang**, North Carolina State University, and **Xuexiang Huang**, Fudan University.

*Quantum Algebras and Related Topics*, **Naihuan N. Jing**, North Carolina State University, **Quanshui Wu**, Fudan University, and **James J. Zhang**, University of Washington.

*Recent Developments in Nonlinear Dispersive Wave Theory*, **Jerry Bona**, University of Illinois at Chicago, **Bo Ling Guo**, Institute of Applied Physics and Computational Mathematics, **Shu Ming Sun**, Virginia Polytech Institute and State University, and **Bingyu Zhang**, University of Cincinnati.

*Representation of Algebras and Groups*, **Birge K. Huisgen-Zimmermann**, University of California Santa Barbara,

**Jie Xiao**, Tsinghua University, **Jiping Zhang**, Beijing University, and **Pu Zhang**, Shanghai Jiao Tong University.

*Several Complex Variables and Applications*, **Siqi Fu**, Rutgers University, **Min Ru**, University of Houston, and **Zhihua Chen**, Tongji University.

*Several Topics in Banach Space Theory*, **Gerard J. Buskes** and **Qingying Bu**, University of Mississippi, and **Lixin Cheng**, Xiamen University.

*Stochastic Analysis and Its Application*, **Jiangang Ying**, Fudan University, and **Zhenqing Chen**, University of Washington.

*Topics in Partial Differential Equations and Mathematical Control Theory*, **Xiaojun Huang**, Rutgers University, **Gengsheng Wang**, Wuhan University of China, and **Stephen S.-T. Yau**, University of Illinois at Chicago.

# Washington, District of Columbia

Marriott Wardman Park Hotel and Omni Shoreham Hotel

January 5-8, 2009

Monday - Thursday

**Meeting #1046**

Joint Mathematics Meetings, including the 115th Annual Meeting of the AMS, 92nd Annual Meeting of the Mathematical Association of America (MAA), annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM), and the winter meeting of the Association for Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: Bernard Russo

Announcement issue of *Notices*: October 2008

Program first available on AMS website: November 1, 2008

Program issue of electronic *Notices*: January 2009

Issue of *Abstracts*: Volume 30, Issue 1

**Deadlines**

For organizers: Expired

For consideration of contributed papers in Special Sessions: Expired

For abstracts: Expired

**Program Updates**

**AMS Sessions**

Because of the untimely death of Oded Schramm, the **Gibbs Lecture** will be given by **Percy A. Deift**, Courant Institute, on *Integrable systems: A modern view*, at 8:30 p.m. on Monday.

Speakers in the **Current Events Bulletin** session on Wednesday afternoon are **Matthew J. Emerton**, Northwestern University; **Olga V. Holtz** and **Michael L. Hutchings**,

Dr. Subbot attending.

University of California Berkeley; and **Frank Sottile**, Texas A&M University.

**Congressional Fellowship Session**, Wednesday, 4:30 p.m.–6:30 p.m., organized by **Samuel M. Rankin III**, AMS. This session will describe the AMS Congressional Fellowship, administered by the American Association for the Advancement of Science (AAAS), and the fellowship's unique public policy learning experience. This fellowship demonstrates the value of science-government interaction by allowing the fellows to bring a technical background and external perspective to the decision-making process in Congress. Previous and current AMS-sponsored Congressional Fellows will give their perspectives on the fellowship to interested meeting participants in an effort to encourage applications for future fellowships.

### MAA Sessions

**Presentations by Teaching Award Winners** will be given by **Michael J. Bardzell**, Salisbury University; **David Pengelley**, New Mexico State University; and **Vali Siadat**, Richard J. Daley College; at 2:30 p.m. on Wednesday afternoon.

*Invited Paper Session on The Beauty and Power of Number Theory*, Wednesday, 1:00 p.m.–3:00 p.m., organized by **Thomas Koshy**, Framingham State College, and **Thomas Moore**, Bridgewater State College. This session features talks by **George E. Andrews** and **Kristen Eisentrager**, Pennsylvania State University, **Carl Pomerance**, Dartmouth University, and **Ken Ono**, University of Wisconsin-Madison.

*Contributed Paper Session on Wavelets in Undergraduate Education*, Tuesday afternoon, organized by **Catherine Beneteau**, University of South Florida; **Caroline Haddad**, SUNY Geneseo; **David Ruch**, Metropolitan State College of Denver; and **Patrick Van Fleet**, University of St. Thomas.

**Math Club in a Box**, Thursday, 1:00 p.m.–3:00 p.m., organized by **Kay B. Somers**, Moravian College, and **Elizabeth Mayfield**, Hood College. One of the recommendations of the Strategic Planning Group on Students is that the MAA offer support to student chapter advisors by making available “in-a-box” resources such as Jeopardy-in-a-box, Career-Day-in-a-box, Fun-Math-Games-in-a-box, Student-Fair-information-for-parents-and-students-in-a-box, Math-Volunteer-Ideas-in-a-box ... activities that advisors could easily carry out on their own campuses, with their own students. In some cases, we picture a literal box: something an advisor receives in the mail and opens to find a ready-made activity within. In other cases, participants may offer “virtual boxes”. What would you put in such a box? What activity or resource would you contribute to this new collection of MAA Student Activity Boxes? We seek field-tested resources from faculty across the MAA to assist student chapter advisors and others who want to engage students in mathematics-related activities. These “boxes” could be used as part of a course, but more likely will involve activities intended to be completed outside the classroom. Proposals and questions regarding the session may be directed to **Kay Somers**, mekbs01@moravian.edu. The deadline for proposals is Friday, November 7, 2008. The session is sponsored by the MAA Committee on Undergraduate Student Activities and Chapters (CUSAC).

**SIGMAA on Statistics Education Business Meeting**, Tuesday, 5:45 p.m.–7:15 p.m.

**SIGMAA on Research in Undergraduate Mathematics Education Business Meeting**, Tuesday, 6:00 p.m.–7:30 p.m.

**MAA Department Liaisons Meeting** will take place on Monday, 9:30 a.m.–11:00 a.m.

### Other Organizations

#### Society for Industrial and Applied Mathematics

An Invited Address will be given by **Kenneth M. Golden**, University of Utah, on *Mathematics of sea ice to help predict climate change* on Tuesday, 11:10 a.m.–noon.

The following **minisymposia** are scheduled on the days indicated:

*Mathematical Modeling of Natural Resources*, organized by **Catherine A. Roberts**, College of the Holy Cross, Monday morning and afternoon;

*Mathematical and Computational Challenges in Global Climate and Energy Processes*, organized by **Margot Geritsen**, Stanford University, Tuesday morning;

*Graph Theory*, organized by **Stephen G. Hartke**, University of Nebraska-Lincoln, Tuesday afternoon and Wednesday morning;

*Polar Climate Modeling*, organized by **Kenneth M. Golden**, University of Utah; and **David M. Holland**, Courant Institute of Mathematical Sciences-NYU; and moderated by **Deborah L. Sulsky**, University of New Mexico, Wednesday afternoon;

*The Mathematics of Energy Conversion*, **Keith Promislow**, Michigan State University; and

*Education Minisymposium on Professional Development and Career Choices for Students*, organized by **William L. Briggs**, University of Colorado at Denver, Thursday afternoon.

## Urbana, Illinois

*University of Illinois at Urbana-Champaign*

**March 27–29, 2009**

*Friday – Sunday*

### Meeting #1047

Central Section

Associate secretary: Susan J. Friedlander

Announcement issue of *Notices*: January

Program first available on AMS website: February 12, 2009

Program issue of electronic *Notices*: March

Issue of *Abstracts*: To be announced

### Deadlines

For organizers: Expired

For consideration of contributed papers in Special Sessions: December 9, 2008

For abstracts: February 3, 2009