Meetings & Conferences of the AMS

Tel Aviv, Israel
Bar-Ilan University, Ramat-Gan and Tel-Aviv University, Ramat-Aviv

June 16–19, 2014
Monday – Thursday

Meeting #1101
The Second Joint International Meeting between the AMS and the Israel Mathematical Union.
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: January 2014
Program first available on AMS website: To be announced
Program issue of electronic Notices: To be announced
Issue of Abstracts: Not applicable
Deadlines
For organizers: To be announced
For abstracts: To be announced

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/internmtgs.html.

Invited Addresses
Ian Agol, University of California, Berkeley, 3-manifolds and cube complexes.
Gil Kalai, Hebrew University, Influence, thresholds, and noise sensitivity.
Michael Larsen, Indiana University, Borel’s theorem on word maps and some recent variants.
Andrei Okounkov, Columbia University, The M-theory index.
Leonid Polterovich, Tel-Aviv University, Symplectic topology: From dynamics to quantization.
Tamar Zeigler, Technion, Israel Institute of Technology, Patterns in primes and dynamics on nilmanifolds.

Special Sessions
Additive Number Theory, Melvyn B. Nathanson, City University of New York, and Yonutz V. Stanchescu, Afeka Tel Aviv Academic College of Engineering.
Algebraic Groups, Division Algebras and Galois Cohomology, Andrei Rapinchuk, University of Virginia, and Louis H. Rowen and Uzi Vishne, Bar Ilan University.
Applications of Algebra to Cryptography, David Garber, Holon Institute of Technology, and Delaram Kahrobaei, City University of New York Graduate Center.
Asymptotic Geometric Analysis, Shiri Artstein and Boaz Klartag, Tel Aviv University, and Sasha Sodin, Princeton University.
Combinatorial Games, Aviezri Fraenkel, Weizmann University, Richard Nowakowski, Dalhousie University, Canada, Thane Plambeck, Counterwave Inc., and Aaron Siegel, Twitter.
Combinatorics, Gil Kalai, Hebrew University of Jerusalem.
Dynamics and Number Theory, Alex Kontorovich, Yale University.
Field Arithmetic, David Harbater, University of Pennsylvania, and Moshe Jarden, Tel Aviv University.
Financial Mathematics, Jean-Pierre Fouque, University of California, and Eli Merzbach and Malka Schaps, Bar Ilan University.
Geometric Group Theory and Low-Dimensional Topology, Ian Agol, University of California, Berkeley, and Zlil Sela, Hebrew University.
Geometry and Dynamics, Yaron Ostrover, Tel Aviv University.
History of Mathematics, Leo Corry, Tel Aviv University, Michael N. Fried, Ben Gurion University, and Victor Katz, University of the District of Columbia.
Mirror Symmetry and Representation Theory, Roman Bezrukavnikov, Massachusetts Institute of Technology, and David Kazhdan, Hebrew University.
Nonlinear Analysis and Optimization, Boris Mordukhovich, Wayne State University, and Simeon Reich and Alexander Zaslavski, Technion Israel Institute of Technology.
PDEs: Modeling Theory and Numerics, Edriss S. Titi, University of California, Irvine.
Qualitative and Analytic Theory of ODE’s, Andrei Gabrielov, Purdue University, and Yossef Yomdin, Weizmann Institute of Science.
Quasigroups, Loops and Applications, Tuval Foguel, Western Carolina University.
Random Matrix Theory, Brendan Farrell, California Institute of Technology, Mark Rudelson, University of Michigan, and Ofer Zeitouni, Weizmann Institute of Science.
Recent Trends in History and Philosophy of Mathematics, Misha Katz, Bar Ilan University, and David Sherry, Northern Arizona University.
Teaching with Mathematical Habits in Mind, Theodore Eisenberg, Ben Gurion University, Davida Fishman, California State University, San Bernardino, and Jennifer Lewis, Wayne State University.
The Mathematics of Menahem M. Schiffer, Peter L. Duren, University of Michigan, and Lawrence Zalcman, Bar Ilan University.
Topological Graph Theory and Map Symmetries, Jonathan Gross, Columbia University, and Toufik Mansour, University of Haifa.

Eau Claire, Wisconsin
University of Wisconsin-Eau Claire

September 20–21, 2014
Saturday – Sunday

Meeting #1102
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: June 2014
Program first available on AMS website: August 7, 2014
Program issue of electronic Notices: September 2014
Issue of Abstracts: Volume 35, Issue 3

Deadlines
For organizers: Expired
For abstracts: July 29, 2014

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Matthew Kahle, Ohio State University, To be announced.
Markus Keel, University of Minnesota, To be announced.
Svitlana Mayboroda, University of Minnesota, To be announced.
Dylan Thurston, Indiana University, To be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.

Algebraic Combinatorics (Code: SS 8A), Pavlo Pylyavsky, Victor Reiner, and Dennis Stanton, University of Minnesota.
Analysis and Geometry on Lie Groups (Code: SS 16A), Chal Benson and Gail Ratcliff, East Carolina University.
Cohomology and Representation Theory of Groups and Related Structures (Code: SS 6A), Christopher Bendel, University of Wisconsin-Stout, and Christopher Drupieski, De Paul University.
Commutative Ring Theory (Code: SS 3A), Michael Axtell, University of St. Thomas, and Joe Stickles, Millikin University.
Graph and Hypergraph Theory (Code: SS 7A), Sergei Bezrukov, University of Wisconsin-Superior, Dalibor Froncek, University of Minnesota Duluth, and Xiaofeng Gu, Uwe Leck, and Steven Rosenberg, University of Wisconsin-Superior.
Knot Concordance and 4-Manifolds (Code: SS 9A), Christopher W. Davis, University of Wisconsin-Eau Claire, Taylor Martin, Sam Houston State University, and Carolyn Otto, University of Wisconsin-Eau Claire.
Lie Algebras and Representation Theory (Code: SS 5A), Michael Lau, Université Laval, Ian Musson, University of Wisconsin-Milwaukee, and Matthew Ondrus, Weber State University.
Number Theory (Code: SS 17A), Colleen Duffy, University of Wisconsin-Eau Claire, and Rafe Jones, Carleton College.
Patterns in Permutations and Words, and Applications (Code: SS 15A), Manda Riehl, University of Wisconsin-Eau Claire, and Alex Woo, University of Idaho.
Random Spaces (Code: SS 13A), Matthew Kahle, Ohio State University, and Dylan Thurston, Indiana University.
The Mathematical Education of Future K-12 Teachers (Code: SS 12A), Charles Bingen and Ryan Harrison, University of Wisconsin-Eau Claire.
Wavelets, Frames, and Time-Frequency Analysis (Code: SS 11A), Patrick Van Fleet, University of St. Thomas, and James S. Walker, University of Wisconsin-Eau Claire.
von Neumann Algebras and Related Fields (Code: SS 2A), Stephen Avsec and Ken Dykema, Texas A&M University.

Session for Contributed Talks
There will also be a session for 10-minute contributed talks. Please see the abstracts submission form at http://
Accommodations

Participants should make their own arrangements directly with the hotel of their choice. Special discounted rates were negotiated with the hotels listed below. Rates quoted do not include hotel tax. Participants must state that they are with the American Mathematical Society (AMS) Meeting at University of Wisconsin Eau Claire to receive the discounted rate. The AMS is not responsible for rate changes or for the quality of the accommodations. Hotels have varying cancellation and early checkout penalties; be sure to ask for details.

America’s Best Value Inn Campus View, 809 W. Clairemont, Eau Claire, WI 54701, 715-834-6611; www.americasbestvalueinn.com/bestv.cfm?idp=1566. Rates are US$75.95. Please note that hotel tax is 13.75%. Amenities include an enjoyable indoor pool and whirlpool, a relaxing outdoor pool and sunning patio, and a Conference Center with spacious banquet and meeting facilities. Guests may enjoy free live entertainment on the weekends in the hotel’s pub or enjoy a meal in the casual on-site restaurant—Mancino’s Grinders and Pizza. This location is directly across the road from the University of Wisconsin-Eau Claire (approximately .8 miles walking) and easy access to parks, bike trails, shops and restaurants, all of which are well within walking distance. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m. The deadline for reservations is August 19, 2014.

Baymont Inn & Suites, 4075 Commonwealth, Eau Claire, WI 54701, 715-839-7100; www.baymontins.com. Rates are US$84. Please note that the hotel tax is 13.75%. Amenities include indoor heated swimming pool, Business Center, free Internet in all guest rooms, and complimentary Baymont Breakfast Corner. The hotel is located approximately 5 miles from campus. Check-in time is 3:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is August 19, 2014.

Best Western Plus Trail Lodge Hotel & Suites, 3340 Mondovi Rd., Eau Claire, WI 54701, 715-838-9989; http://bestwesternwisconsin.com/eau-claire-hotels. Rates are US$93.49. Please note the hotel tax is 13.75%. Amenities include pool, whirlpool & Fitness Center, free HBO, coffee maker, hair dryer & iron with ironing board, desktop modem connection, and complimentary breakfast buffet, shuttle service to Fanny Hill, and wireless Internet. The hotel is located approximately 3 miles from campus. Check-in time is 3:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is August 19, 2014.

Comfort Inn Eau Claire, 3117 Craig Rd., Eau Claire, WI 54701, 715-833-9798; www.comfortinn.com/hotel-eau_claire-wisconsin-WI026. Rates are US$74. Please note the hotel tax is 13.75%. Amenities include free hot breakfast, free high-speed Internet, and an indoor heated pool and hot tub. All rooms include coffee makers, microwaves and refrigerators. This hotel is located 2 miles from campus. Check-in time is 3:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is August 19, 2014.

Country Inn & Suites, 3614 Gateway Dr., Eau Claire, WI 54701, 715-832-7289; www.countryinns.com/eau-claire-hotel-wi-54701/wiclaire. Rates are US$99. Please note the hotel tax is 13.75%. Amenities include indoor pool & whirlpool, continental breakfast, restaurants and shopping mall within walking distance. This hotel is located 4.6 miles from campus. Check-in time is 3:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is August 19, 2014.

Days Inn Campus-Eau Claire, 2305 Craig Road, Eau Claire, WI 54701, 715-834-3193; www.daysinn.com/hotels/wisconsin/eau-claire/days-inn-eau-claire-campus/hotel-overview. Rates are US$69 for a single room and US$79.00 for a double room. Please note the hotel tax is 13.75%. Amenities include free Internet and fitness center. This hotel is located 1.2 miles from campus. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m. The deadline for reservations is August 19, 2014.

Hampton Inn, 2622 Craig Rd., Eau Claire, WI 54701, 715-833-0003; hamptoninn3.hilton.com/en/hotels/wisconsin/hampton-inn-eau-claire-EAUCRXH/index.html. Rates are US$99. Please note the hotel tax is 13.75%. Amenities include indoor pool, whirlpool, fitness room, free continental breakfast, in-room movies, non-smoking rooms, restaurants and shopping within walking distance. This hotel is located 2 miles from campus. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m. The deadline for reservations is August 19, 2014.

Holiday Inn Eau Claire South, 4751 Owen Ayres Court, Eau Claire, WI 54701, 715-830-9889; http://www.ihg.com/holidayinn/hotels/us/en/eau-claire/eauih/hoteldetail. Rates are US$109.95. Please note the hotel tax is 13.75%. Amenities include free Wi-Fi access, a 24-hour business center, relaxing outdoor patios and fire pits, an indoor pool, whirlpool, and a complete fitness center. This hotel is located 5.4 miles from campus. Check-in time is 3:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is August 19, 2014.

Metropolis Resort and Conference Center, 5150 Fairview Dr., Eau Claire, WI 54701, 715-852-6000; https://www.metropolisresort.com/. Rates are US$139. Please note the hotel tax is 13.75%. Amenities include the Action City Family Entertainment Center featuring the largest indoor go-kart track in the Midwest. The gaming center also features laser tag, a super arcade, bumper cars, and the Chaos Water Park featuring slides, a lazy river and water basketball. Just steps from your hotel room, every resort stay includes free passes to Chaos and a hot breakfast buffet. This hotel is located 5 miles from campus. Check-in time is 4:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is August 19, 2014.

Plaza Hotel & Suites, 1202 W. Clairemont, Eau Claire, WI 54701, 715-834-3181; http://www.plazaeauclaire.com/. Rates are US$89.99 or US$99.99 for a business class room. Reservations should be made under the Group Block #8685 or American Mathematical Society. Please note the hotel tax is 13.75%. Amenities include 233 new guest rooms and new indoor recreation center. All rooms feature a microwave, refrigerator, coffee maker. Valet service and on-site coin-operated laundry are available as well.

www.ams.org/cgi-bin/abstracts/abstract.pl. The deadline for all submissions is July 29, 2014.
as complimentary airport shuttle. This hotel is located 2 miles from campus. Check-in time is 3:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is August 18, 2014.

**Food Services**

**On Campus:** The Davies Student Center offers a few dining options open on the weekends including the Blu Flame Grill open 11:00 a.m.-3:00 p.m. Saturday and Sunday. The Blu Flame Grill offers a variety of sandwiches and burgers.

**Off Campus:** There is a wide variety of restaurants and fast food close to campus on Water Street.

- **Dooley's Pub,** 442 Water St., Eau Claire, WI 54703; 715-834-2388. Offering traditional Irish pub food. Open Monday-Sunday 11:00 a.m.-close.
- **Mogie's Pub & Restaurant,** 436 Water St. Eau Claire, WI 54703, 715-836-9666; www.mogiespub.com. Mogie's Pub is home of Eau Claire's greatest burgers. They offer fun, casual atmosphere, 17 tap beers, full bar, and televised sporting events. Located on historic Water Street. Open Monday-Friday 11:00 a.m.-midnight.
- **Splash Wine Bistro,** 416 Water St., Eau Claire, WI, 54703, 715-514-3610; www.splashwinebistro.com. Splash Wine Bistro offers delicious food, prepared simply and with fresh ingredients, as well as a love of experiencing more about specialty and unique wines and craft beers. Friday-Saturday 3:00 p.m.-midnight.
- **The Goat Coffee House,** 336 Water St., Eau Claire, WI, 54703, 715-831-4491; www.thegoatcoffeehouse.com. Open Saturday 7:30 a.m.-5:00 p.m. and Sunday 10:00 a.m.-3:00 p.m.
- **The Nucleus Cafe,** 405 Water St., Eau Claire, WI, 54703, 715-834-7777. Open Saturday and Sunday 8:00 a.m.-2:00 p.m.
- **Mona Lisa's,** 428 Water St., Eau Claire, WI 54703, 715-839-8969; www.monalisas.biz. Mona Lisa's is a contemporary Italian and Mediterranean restaurant serving eats such as pasta, seafood, steak, salad, pizza and more, as well as a large selection of wines. Open Friday and Saturday 4:00 p.m.-midnight.
- **Stella Blues,** 306 E. Madison St., Eau Claire, WI, 54703, 715-855-7777; www.stellablues.biz. Stella Blues is a Cajun-influenced restaurant serving delicious sandwiches, seafood, steaks, pasta, and vegetarian choices. Open Friday and Saturday 4:00 p.m.-midnight.

**Registration and Meeting Information**

**Advance Registration**
Advance registration for this meeting will open on August 1, 2014. Fees will be US$56 for AMS members, US$78 for nonmembers, and US$5 for students, unemployed mathematicians, and emeritus members.

**Onsite Information and Registration**
Registration, the book exhibit, Special Sessions, and the Invited Addresses will be located in Hibbard Hall, which houses the Department of Mathematics, 124 Garfield Avenue, Eau Claire, WI (“Lower Campus” area). You can find the campus map here: www.uwec.edu/Maps/bldgtour/hhm/index.htm. The onsite registration desk will be open on Saturday, September 20, 7:30 a.m.-4:00 p.m. and Sunday, September 21, 8:00 a.m.-12:00 p.m. Fees are US$56 for AMS members, US$78 for nonmembers; and US$5 for students, unemployed mathematicians, and emeritus members. Fees are payable onsite via cash, check, or credit card.

**Special Needs**
The goal of the AMS to ensure that its conferences are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are fully accessible to the physically handicapped.

If special needs accommodations are necessary in order for you to participate in an AMS Section Meeting, please communicate your needs in advance to the AMS Meetings Department by:

- Registering early for the meeting:
  - Checking the appropriate box on the registration form
- Sending an email request to the AMS Meetings Department at mmsb@ams.org or meet@ams.org.

**Other Activities**

**Book Sales:** Stop by the onsite AMS bookstore and review the newest titles from the AMS, enjoy up to 25% off all AMS publications, or take home an AMS t-shirt! Complimentary coffee will be served courtesy of AMS Membership Services.

**AMS Editorial Activity:** An acquisitions editor from the AMS book program will be present to speak with prospective authors. If you have a book project that you would like to discuss with the AMS, please stop by the book exhibit.

**Local Activities:** The University of Wisconsin, Eau Claire Department of Mathematics will host a reception for conference attendees Saturday, September 20, between 6:00 p.m. - 7:15 p.m. in Ojibwe Grand Ballroom, Davies Center, Room 330. The AMS thanks our hosts for their gracious hospitality.

**Local Information and Maps**
This meeting will take place on the “Lower Campus” area of the University of Wisconsin, Eau Claire. A campus map can be found at www.uwec.edu/Maps/bldgtour/index.htm. Information about the the Department of Mathematics may be found at www.uwec.edu/Math/index.htm. Please visit the university’s website at www.uwec.edu/ for additional information on the campus.

**Parking**
There is free weekend parking in the Hibbard Lot located next to Hibbard Hall. The University asks that you remember to always park HEAD INTO STALL to avoid being ticketed. Don’t back in or pull through the stall. This is enforced 7 days a week.

**Travel**
The University of Wisconsin Eau Claire campus is located in Eau Claire, Wisconsin. The Chippewa Valley Regional Airport (CVRA) is located approximately 7 miles north of the university.
Driving to Eau Claire
From Hwy. 53 north or south:
Take exit #87 off of Hwy. 53 onto Clairemont Ave. (Hwy. 12) and go west. Turn left on Patton St. Take a quick right onto Lexington Blvd. Turn right on State St. (down hill). Turn left on Roosevelt Ave. (at bottom of hill). Go one block and Visitor Center will be on your left.

From the south on Hwy. 93:
Take Hwy. 53 north and follow directions above after exiting onto Clairemont Ave. west.

I-94 from the west:
Exit Interstate 94 at Hwy. 312/12 (exit #59) and turn right. Continue east about 3 miles until you reach the Clairemont Avenue (Hwy. 12) exit. Take the exit and turn right onto Clairemont. Stay on Clairemont 2.7 miles until you reach Menomonie Street. Turn left on Menomonie Street (which will veer left onto Water Street at fork in road) and continue 1.5 miles. After crossing over the Chippewa River you’ll come to Park Avenue. Turn right onto Park Avenue and continue to Roosevelt Avenue (at second stop sign). Visitor Center will be directly in front of you.

I-94 from the east:
Exit Interstate 94 at Hwy. 53 (exit #70) and follow Hwy. 53 north. Take exit #87 off of Hwy. 53 onto Clairemont Ave. (Hwy. 12) and turn left (to head west). Turn left on Patton St. Take a quick right onto Lexington Blvd. Turn right on State St. (down hill). Turn left on Roosevelt Ave. (at bottom of hill). Go one block and Visitor Center will be on your left.

From the Airport: Continue to Starr Ave. (0.3 mi.) Take US-53 BUS S and E. Clairemont Ave. to University Dr. in Eau Claire County (6.7 mi.) Turn right onto Starr Ave. (0.8 mi.) Turn left onto Eddy Ln. (0.3 mi.) Turn right onto US-53 BUS S (3.5 mi.) Turn right onto Brackett Ave. (0.4 mi.) Turn left onto Rudolph Rd. (0.5 mi.) Turn right onto E. Clairemont Ave (1.2 mi.) Turn right onto University Dr.

Car Rental: Hertz is the official car rental company for the meeting. To make a reservation accessing our special meeting rates online at www.hertz.com, click on the box “I have a discount”, and type in our convention number (CV): 04N30003. You can also call Hertz directly at 800-654-2240 (U.S. and Canada) or 405-749-4434 (other countries).

Shuttle Service to Eau Claire from Minneapolis/St. Paul airport (MSP): Shuttle service is available from the Minneapolis/St. Paul airport to Eau Claire Terminal located at 6204 Chuck Lane, Eau Claire, WI. The trip is approximately 1.5 hours. For rates and schedules please visit: www.chippewavalleyairportservice.com/.

Local Transportation
Taxi Service
A1 Eau Claire Taxi: 715-831-8294
Door 2 Door Taxi: 715-225-1754; www_door2doortaxi.com
Mr Cab: 715-271-1000

Bus Service
Eau Claire City Transit: 715-839-5111; www.ci.eau-claire.wi.us

Weather
The month of September is characterized by daily high temperatures ranging from 70°F to 80°F over the course of the month to the 50°F range at night.

Information for International Participants
Visa regulations are continually changing for travel to the United States. Visa applications may take from three to four months to process and require a personal interview, as well as specific personal information. International participants should view the important information about traveling to the U.S. found at sites.nationalacademies.org/pga/biso/visas/ and travel.state.gov/visa/visa_1750.html. If you need a preliminary conference invitation in order to secure a visa, please send your request to mkl@ams.org.

If you discover you do need a visa, the National Academies website (see above) provides these tips for successful visa applications:

* Visa applicants are expected to provide evidence that they are intending to return to their country of residence. Therefore, applicants should provide proof of “binding” or sufficient ties to their home country or permanent residence abroad. This may include documentation of the following:
  - family ties in home country or country of legal permanent residence
  - property ownership
  - bank accounts
  - employment contract or statement from employer stating that the position will continue when the employee returns;

* Visa applications are more likely to be successful if done in a visitor’s home country than in a third country;

* Applicants should present their entire trip itinerary, including travel to any countries other than the United States, at the time of their visa application;

* Include a letter of invitation from the meeting organizer or the U.S. host, specifying the subject, location and dates of the activity, and how travel and local expenses will be covered;

* If travel plans will depend on early approval of the visa application, specify this at the time of the application;

* Provide proof of professional scientific and/or educational status (students should provide a university transcript).

This list is not to be considered complete. Please visit the websites above for the most up-to-date information.

Halifax, Canada

Dalhousie University

October 18–19, 2014
Saturday – Sunday

Meeting #1103
Eastern Section
Associate secretary: Steven H. Weintraub
Meetings & Conferences

Announcement issue of Notices: August 2014
Program first available on AMS website: September 5, 2014
Program issue of electronic Notices: October 2014
Issue of Abstracts: Volume 35, Issue 3

Deadlines
For organizers: Expired
For abstracts: August 19, 2014

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
François Bergeron, Université du Québec à Montréal, Algebraic combinatorics and finite reflection groups.
Sourav Chatterjee, Stanford University, Nonlinear large deviations.
William M. Goldman, University of Maryland, Moduli spaces and the classification of geometric structures on manifolds.
Sujatha Ramdorai, University of British Columbia, Galois representations and Iwasawa theory.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.

Advances in Harmonic Analysis and Partial Differential Equations (Code: SS 14A), David Cruz-Uribe, Trinity College, and Scott Rodney, Cape Breton University.
Combinatorial Representation Theory (Code: SS 8A), Cristina Ballantine, College of the Holy Cross, Rosa Orellana, Dartmouth College, and Mercedes Rosas, Universidad de Sevilla.
Commutative Algebra and Its Interactions with Algebraic Geometry (Code: SS 2A), Susan Marie Cooper, North Dakota State University, Sara Faridi, Dalhousie University, and William Traves, U.S. Naval Academy.
Differential Geometry and Mathematical Physics (Code: SS 7A), Virginie Charette, Université de Sherbrooke, and Karin Melnick, University of Maryland.
Experimental Mathematics in Number Theory, Analysis, and Combinatorics (Code: SS 10A), Marc Chamberland, Grinnell College, and Karl Dilcher, Dalhousie University.
Games on Graphs (Code: SS 6A), Jason Brown and Jeannette Janssen, Dalhousie University.
Generalized Catalan Algebraic Combinatorics (Code: SS 9A), Francois Bergeron and Franco Saliola, Université du Québec à Montréal, Hugh Thomas, University of New Brunswick, and Nathan Williams, Université du Québec à Montréal.
Hopf Algebras (Code: SS 11A), Yuri Bahturin, Memorial University of New Foundland, Margaret Beattie, Mount Allison University, and Mitja Mastnak, Saint Mary’s University.

New Directions in Category Theory (Code: SS 5A), Pieter Hofstra, University of Ottawa, and Dorette Pronk, Dalhousie University.
Sampling Theory (Code: SS 4A), John J. Benedetto, University of Maryland, Jean-Pierre Gabardo, McMaster University, and Ozgur Yilmaz, University of British Columbia.
Special Functions and Their Applications. (Code: SS 3A), Mourad E. H. Ismail, University of Central Florida, and Nasser Saad, University of Prince Edward Island.
Symbolic Dynamics and Combinatorics on Words (Code: SS 13A), Srecko Brlek, Université du Québec a Montréal, and Reem Yassawi, Trent University.
p-adic Methods in Arithmetic (Code: SS 1A), Henri Darmon, McGill University, Adrià Iovita, Concordia University, and Sujatha Ramdorai, University of British Columbia.

Session for Contributed Talks
There also will be a session for 10-minute contributed talks. Please see the abstracts submission form at http://www.ams.org/cgi-bin/abstracts/abstract.pl. The deadline for all submissions is August 19, 2014.

Accommodations
Participants should make their own arrangements directly with the hotel of their choice. Special discounted rates were negotiated with the hotels listed below. Rates quoted do not include hotel tax of 2% or the Harmonized Sales Tax (HST) of 15%. The HST is a single rate of 15% added to the base of all goods and services. Participants must state that they are with the American Mathematical Society (AMS) Meeting at Dalhousie University to receive the discounted rate. The AMS is not responsible for rate changes or for the quality of the accommodations. Hotels have varying cancellation and early checkout penalties; be sure to ask for details.

Atlantic Hotel Halifax, 1980 Robie Street, Halifax, N.S., B3H 3G5; (902)423-1161; www.atlanticahotelhalifax.com. Rates are CAD$135 per night for single/double occupancy. Each additional person will be charged CAD$15 per room/night. Amenities include complimentary wireless Internet in guest rooms; complimentary local calls; on-property business center; fitness center; swimming pool; and Seasons restaurant and lounge on property serving breakfast, lunch, dinner, and late night dining. Parking is subject to availability in a heated underground garage for overnight guests at a rate of CAD$17 plus tax per day. This hotel is pet-friendly. This property is located approximately 1 mi /1.7 km from the campus by car or 11 minutes walking time. The deadline for reservations at this rate is September 17, 2014.
Cambridge Suites Hotel, 1583 Brunswick Street, Halifax, Nova Scotia, B3J 3P5; (800)565-1263; http://www.cambridgesuiteshalifax.com/. Rates are CAD$149 per night for a studio room featuring a kitchenette, queen bed, and a pull-out sofa or two double beds; CAD$174 for a Junior Suite featuring a separate bedroom with a queen bed and living area with pull-out sofa and kitchenette; and CAD$199 for a One-Bedroom Suite featuring a separate bedroom with a king bed or two double beds with a
separate living area with a pull-out sofa and kitchenette. Amenities include complimentary continental breakfast, complimentary wireless Internet access, fitness center, onsite restaurant Canvas Resto Lounge, and free local calls. Parking is available onsite for a fee of CAD$18 plus tax, per night. Reference American Mathematical Society for a quick, easy booking process with an onsite agents. This property is located approximately 1.5 mi /2.5 km from the campus by car or approximately 21 minutes walking time. The deadline for reservations at this rate is September 18, 2014.

Garden South Park Inn, 1263 South Park Street, Halifax, N.S., B3H 3G5; (877)414-8577; http://www.gardeninn.ns.ca/. Rates are CAD$103.20 per night for one double bed, CAD$111.20 per night for one queen bed, or CAD$111.20 per night for two twin beds. Amenities include complimentary Internet, complimentary continental breakfast buffet, and complimentary evening tea and snacks. Parking is available on-site, based on availability, for a cost of CAD$12 per night. Please request a room in the AMS block. This property is located approximately 0.6 mi /1 km from the campus by car or approximately 13 minutes walking time. This rate will be offered by the property until September 30, 2014, based upon availability of rooms.

Lord Nelson Hotel and Suites, 1515 South Park Street, Halifax, Nova Scotia, Canada B3J2L2; (902)423-6331; http://lordnelsonhotel1.ca/. Rates are CAD$149 per night for single/double occupancy in a classic guest room. Each additional adult in the same room is charged at a rate of CAD$20 per adult. Amenities include complimentary wireless Internet access in guest rooms; complimentary local calls; a restaurant on-site, The Arms; serving breakfast, lunch, dinner, and room service; fitness center; and business center. Parking is available for CAD$22 plus tax, per night for registered guests. This property is located approximately 1.3 km from the campus by car or approximately 14 minutes walking time. The deadline for reservations at this rate is September 5, 2014.

Food Services

On Campus: Residence dining halls are located in Howe Hall, and Sherriff Hall and are open to the public. On weekends brunch is served between 10:30 a.m.–1:30 p.m.; a limited meal service is available between 1:30 p.m.–4:30 p.m.; and dinner is served between 4:30 p.m.–6:30 p.m. There are two options available in Killam Hall, Killam Second Cup and Killam Subway. Both locations are open on Saturday between 10:00 a.m.–8:00 p.m.; and on Sunday between 10:00 a.m.–Midnight. Another option, The Pub at the University Club (902-494-6511; dal.ucub.ca/the-pub), is located on campus at 1 Alumni Crescent, very close to the meeting. The Pub will be kept open for lunch on Saturday and Sunday, hours of operation to be determined, please watch the website for further details.

Off Campus: Downtown Halifax offers shopping, entertainment and many restaurants. There are many choices for dining convenient to campus, here are some local options:

Fine dining, Maritime cuisine:
The Cellar Bar and Grill, 5677 Brenton Place, 902-835-1592; Fine dining, pizza, pasta, meat, seafood.
Chives Canadian Bistro, 1537 Barrington Street, 902-420-9626; (reservations advisable). Fine dining with locally sourced ingredients and a seasonally changing menu.
The Wooden Monkey, 1707 Grafton Street, 902-444-3844; Fine dining from local ingredients; gluten-free, vegetarian, vegan and free range options available.

Seafood and lobster:
Five Fisherman Restaurant & Grill, 1740 Argyle Street, 902-422-4421; Fine dining with all-you-can-eat salad bar; excellent for seafood and lobster.
McKelvie’s, 1680 Lower Water Street, 902-421-6161. Fine dining, excellent for seafood and lobster.
Salty’s Seafood Restaurant, 1869 Upper Water Street, 902-423-6818; Bar and grill downstairs, fine dining upstairs. Serving seafood with a waterfront location.

Pubs with dining:
The Henry House, 1222 Barrington Street, 902-423-5660; A very popular local pub with fine dining. English-style ales, pub fare, and Maritime cuisine.
The Old Triangle Irish Alehouse, 5136 Prince Street, 902-492-4900; Popular local pub, often with live music.

Casual dining:
Athens Restaurant, 6273 Quinpool Road, 902-422-1595; A low-key restaurant with Greek and North American options (moussaka, burgers, etc.).
Bluenose II Restaurant, 1824 Hollis Street, 902-425-5092; A diner serving staples such as fish and chips, clam chowder, burgers, and traditional diner food.
Coburg Coffee, 6085 Coburg Road, 902-429-2326, coburgcoffee.com; soups and sandwiches.
Subway, 1403 Robie Street, 902-422-4355. Fast food sandwiches.

International food:
Baan Thai, 5234 Blowers Street, 902-446-4301; Family-owned Thai restaurant, one of the oldest in town.
Cafe Istanbul, 5986 Spring Garden Road, 902-405-4028, cafeistanbul.ca. Popular lunch spot, high-end Turkish food.
Piatto Pizzeria + Enoteca, 5144 Morris Street, 902-406-0909; Neapolitan pizza, certified authentic by the pizza authorities of Naples.
Turkish Delight, 5680 Spring Garden Road, 902-446-4366; Turkish restaurant featuring halal food, kebabs, mezze, etc.
Shiraz, 1240 Hollis Street, 902-404-3300. A small Persian restaurant.

Registration and Meeting Information

Advance Registration
Advance registration for this meeting will open on August 1, 2014. Advance Registration Fees will be US$56 for AMS members, US$78 for nonmembers, and US$5815.
for students, unemployed mathematicians, and emeritus members.

Onsite Information and Registration

Registration will be located in the McCain Foyer and the AMS book exhibit will be located in the McCain Upper Foyer. Special Sessions will be held in the Marion McCain Building. All Invited Addresses will take place in the Scotia Bank Auditorium also located in the McCain Building. Please refer to the general campus map at http://campusmaps.dal.ca/ for specific locations. The registration desk will be open on Saturday, October 18, 7:30 a.m. - 4:00 p.m. and Sunday, October 19 8:00 a.m. - 12:00 noon. Fees onsite will be US$56/ CAD$61 for AMS or Canadian Mathematical Society Members (CMS)members, US$78/ CAD$85 for nonmembers; and US/CAD$5 for students, unemployed mathematicians, and emeritus members. Fees are payable on-site via Canadian or American currency, Canadian or American check, or credit card.

Special Needs

It is the goal of the AMS to ensure that its conferences are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are fully accessible to the physically handicapped.

If special needs accommodations are necessary in order for you to participate in an AMS Sectional Meeting, please communicate your needs in advance to the AMS Meetings Department by:

- Registering early for the meeting
- Checking the appropriate box on the registration form
- Sending an email request to the AMS Meetings Department at mmsb@ams.org or meet@ams.org

Other Activities

Book Sales: Stop by the on-site AMS bookstore and review the newest titles from the AMS, enjoy up to 25% off all AMS publications, or take home an AMS t-shirt! Complimentary coffee will be served courtesy of AMS Membership Services.

Complimentary coffee will be served courtesy of AMS Membership Services.

AMS Editorial Activity: An acquisitions editor from the AMS book program will be present to speak with prospective authors. If you have a book project that you would like to discuss with the AMS, please stop by the book exhibit.

Local Information and Maps

This meeting will take place on the Studley Campus of Dalhousie University, located in Halifax. A campus map can be viewed at http://campusmaps.dal.ca/. Information about the Dalhousie Department of Mathematics and Statistics may be found at http://www.dal.ca/faculty/science/math-stats.html. Please watch the website available at www.ams.org/meetings/sectional/sectional.html for additional information on this meeting. Please visit the Dalhousie University website at http://www.dal.ca/ for additional information on the campus.

Parking

All campus parking in lots and at meters is available free of charge to visitors on weekends. Parking in the McCain Parkade Garage is available at a cost of CAD$4 per day. This parkade can be accessed by turning onto Seymour Street just before the Marion McCain Building (located at 6135 University Ave). Additional information on visitor parking can be found at http://campusmaps.dal.ca/ by searching the map for parking.

Travel

Dalhousie’s Studley campus is located in the South End of Halifax, within a 15-to 20-minute walk to the downtown area.

- By Air: Robert L. Stanfield International Airport is located approximately 33 km/20 mi from the city of Halifax and is approximately a 40-minute drive from the airport to Dalhousie University. The website is http://hiaa.ca/.

- Taxi service is offered at a set rate of CAD$63 for a one-way trip into Halifax city center. Airport car services are available curbside in the arrivals area for all arriving flights. For more information, check at the Ground Transportation kiosk in the domestic arrivals area. To pre-arrange service please visit the airport’s website for a list of drivers licensed at Halifax Stanfield International Airport: http://hiaa.ca/transportation/taxi-limos/. Rental cars are available through a number of rental agencies at the airport. Please visit the airport website for information on rental car companies in Halifax.

There are two options for bus service from the airport to the downtown area. Metro Transit operates its MetroX service from downtown to Halifax Stanfield International Airport. The #320 bus operates every 30 minutes during peak morning (6:00 a.m. to 9:00 a.m.) and afternoon (3:00 p.m. to 6:00 p.m.) times. The regular schedule departs every 60 minutes. Fares are CAD$3.50 for adults/students and CAD$2.75 for children/seniors. For more information please visit their website http://www.halifax.ca/metrotransit/Schedules/index.php. The second option is Maritime Bus which has routes throughout the Maritimes including service to and from the airport. For more information, call 800-575-1807.

- By Train: VIA Rail Canada (http://www.viarail.ca/) provides transcontinental train service; there is a station in Halifax. Call toll-free 888-842-7245.


- By Car:

From the airport: Take the 102 to Halifax (stay right at exit 5, which is the Halifax/Bedford exit). Continue to go straight. The 102 will turn into Bayers Road. On Bayers Road, after you pass the Halifax Shopping Centre, turn right at the next set of lights. This is Connaught Avenue. Take Connaught until it ends at a three-way stop. Turn left onto Jubilee Road. At the first set of lights, turn right
onto Oxford Street. Take Oxford to Coburg Road. Arrive at the Studley Campus.

**From all other points:** The university can be accessed by car through any of the highways feeding into the city, but the most direct route is via the 102 inbound. The interactive campus map found on the Dalhousie website provides a way to customize directions, using the “get directions” tab. The map can be found here: [http://campusmaps.dal.ca/](http://campusmaps.dal.ca/).

**Car Rental:** Hertz is the official car rental company for the meeting. To make a reservation accessing our special meeting rates online at [www.hertz.com](http://www.hertz.com), click on the box “I have a discount”, and type in the AMS convention number (CV): 04N30004. You can also call Hertz directly at 800-654-2240 (U.S. and Canada) or 405-749-4434 (other countries). At the time of your reservation, the meeting rates will be automatically compared to other Hertz rates and you will be quoted the best comparable rate available.

**Local Transportation**

**Bus and Ferry Service:** Halifax metro transit offers urban bus routes and ferry service to cities outside of Halifax. For schedules and information on pricing please visit [http://www.halifax.ca/metrotransit/](http://www.halifax.ca/metrotransit/).

**Weather**

The average high temperature for October is approximately 20 degrees Celsius or 70 degrees Fahrenheit and the average low is approximately 10 degrees Celsius or 50 degrees Fahrenheit. Weather in Halifax is moderate, but temperatures can fluctuate a great deal throughout the day and can vary depending on proximity to the ocean. It is recommended that visitors dress in layers. Prepare for inclement weather and check weather forecasts in advance of arrival in Halifax.

**Information for International Participants**

All United States citizens visiting Canada must possess a valid passport, NEXUS card, or U.S. Coast Guard Merchant Mariner document. For more information on passport requirements for travel to Canada, visit the U.S. Department of State, National Passport Information Center website ([http://travel.state.gov/content/passports/english/passports.html](http://travel.state.gov/content/passports/english/passports.html)) or access U.S. passport application services from the United States Postal Service.

Visitors from the United States, United Kingdom, France, Germany, Mexico, Japan, the Republic of Korea, and Australia do not require a visa to enter Canada. If you are not from one of these countries, you should contact your Canadian consulate or embassy to learn what documents you may require. The Foreign Affairs and International Trade Canada website ([http://www.tradecommissioner.gc.ca/eng/trade-offices.jsp](http://www.tradecommissioner.gc.ca/eng/trade-offices.jsp)) provides links to over 150 Canadian embassies and offices around the world.

For complete information on entry requirements and what you are permitted to bring into Canada, visit the Citizenship and Immigration Canada’s Visiting Canada website ([http://www.cic.gc.ca/english/visit/index.asp](http://www.cic.gc.ca/english/visit/index.asp)).

For up-to-date information for visitors from the Canadian Border Services Agency, go to [www.cbsa.gc.ca](http://www.cbsa.gc.ca) or call 1-800-461-9999 (within Canada) or 506-636-5064. Information on visas for temporary residents can be found on the Citizenship and Immigration website or by calling 1-888-242-2100. In the U.S. refer to [www.travel.state.gov](http://www.travel.state.gov).

Passport and visa requirements for visiting Canada will vary according to your citizenship, residency, and purpose for visiting Canada. It is recommended to obtain more information before completing your travel plans by contacting the nearest Canadian Embassy, High Commission, or your country’s Customs/Immigration office.

This list is not to be considered complete. Please visit the websites above for the most up-to-date information.

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**San Francisco, California**

**San Francisco State University**

**October 25–26, 2014**

**Saturday – Sunday**

**Meeting #1104**

Western Section

Associate secretary: Michel L. Lapidus

Announcement issue of Notices: August 2014

Program first available on AMS website: September 11, 2014

Program issue of electronic Notices: October 2014

Issue of Abstracts: Volume 35, Issue 4

**Deadlines**

For organizers: Expired

For abstracts: September 3, 2014

*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**

- **Kai Behrend**, University of British Columbia, Vancouver, Canada, *Title to be announced.*
- **Kiran S. Kedlaya**, University of California, San Diego, *Title to be announced.*
- **Julia Pevtsova**, University of Washington, Seattle, *Title to be announced.*
- **Burt Totaro**, University of California, Los Angeles, *Title to be announced.*

**Special Sessions**

If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at [http://www.ams.org/cgi-bin/abstracts/abstract.pl](http://www.ams.org/cgi-bin/abstracts/abstract.pl).
Algebraic Geometry (Code: SS 1A), Renzo Cavalieri, Colorado State University, Noah Glansiracusa, University of California, Berkeley, and Burt Totaro, University of California, Los Angeles.

Algebraic Statistics (Code: SS 8A), Elizabeth Gross, San Jose State University, and Kaie Kubjas, Aalto University.

Applications of Knot Theory to the Entanglement of Biopolymers (Code: SS 15A), Javier Arsuaga, San Francisco State University, Michael Szafra, University of Saskatchewan, and Mariel Vazquez, San Francisco State University.

Categorical Methods in Representation Theory (Code: SS 4A), Eric Friedlander, University of Southern California, Srikanth Iyengar, University of Nebraska, Lincoln, and Julia Pevtsova, University of Washington.

Combinatorics and Algebraic Geometry (Code: SS 9A), Madhusudan Manjunath, University of California, Berkeley, and Farbod Shokrieh, Cornell University.

Computational Algebraic Geometry and Applications to Science and Engineering (Code: SS 17A), Daniel Brake and Dhand Mehta, North Carolina State University, Raleigh.

Developments of MSRI Programs in Commutative Algebra and Noncommutative Algebraic Geometry and Representation Theory (Code: SS 18A), Kenneth Chan, University of Washington, and Jack Jerjes, University of Utah.

Geometry of Submanifolds (Code: SS 3A), Yun Myung Oh, Andrews University, Bogdan D. Suceava, California State University, Fullerton, and Mihaela B. Vajiac, Chapman University.

Hamiltonian Partial Differential Equations (Code: SS 12A), Marius Beceanu, University of California, Berkeley, Magdalena Czubak, Binghamton University, Dong Li, University of British Columbia, and Xiaoyi Zhang, University of Iowa.

High-Dimensional Convexity and Applications (Code: SS 14A), Luis Rademacher, Ohio State University, Stanislav Szarek, Case Western Reserve University and Université Pierre et Marie Curie-Paris 6, and Elisabeth Werner, Case Western Reserve University, Université de Lille 1, UFR de Mathématique.

Homotopy Theory (Code: SS 11A), Julie Bergner, University of California, Riverside, and Angélica Osorno, Reed College.

Interactions between Knots and Manifolds (Code: SS 10A), Stanislav Jabuka and Swatee Naik, University of Nevada, Reno, and Cornelia Van Cott, University of San Francisco.


Polyhedral Number Theory (Code: SS 2A), Matthias Beck, San Francisco State University, Martin Henk, Universität Magdeburg, and Joseph Gubeladze, San Francisco State University.

Probabilistic and Statistical Problems in Stochastic Dynamics (Code: SS 7A), Alexandra Piryatinska, San Francisco State University.

Recent Progress in Geometric Analysis (Code: SS 5A), David Bao, San Francisco State University, and Ovidiu Munteanu, University of Connecticut.
US$85 for a double. Please note the hotel tax is 16.32%. Amenities include free coffee, free high-speed Internet, and parking. This hotel is located 2.3 miles from campus. Check-in time is 3:00 p.m. and check-out time is 11:00 a.m. The deadline for reservations is October 1, 2014.

Embassy Suites San Francisco Airport - South San Francisco, 250 Gateway Boulevard, South San Francisco, California, 94080; 650-589-3400; embassysuites3.hilton.com/en/hotels/california/embassy-suites-san-francisco-airport-south-san-francisco-SFOS0ES/index.html. Rates are US$180 for a single room and US$190 for a double. Please note the hotel tax is 16.32%. Amenities include complimentary breakfast and evening drinks/snacks, and complimentary access to the fitness center. This hotel is located 11 miles from campus. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m. The deadline for reservations is October 3, 2014.

Serrano Hotel, 405 Taylor Street, San Francisco, CA 94102, 415-885-2500; www.serranohotel.com. Rate is US$199. Please note the hotel tax is 16.32%. Amenities include complimentary coffee in the lobby, Internet, and fitness center. This location is steps from Union Square and is located 9.7 miles from campus. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m. The deadline for reservations is September 24, 2014.

Villa Florence, 224 Powell Street, San Francisco, CA 94102, 415-617-1062; http://www.villaflorence.com/. Rates are US$209. Please note the hotel tax is 16.32%. Amenities include complimentary high-speed Internet access. This downtown San Francisco hotel is located 9.7 miles from campus. Check-in time is 3:00 p.m. and check-out time is 12:00 p.m. The deadline for reservations is September 26, 2014.

Food Services

On Campus: the Cesar Chavez Student Union offers a few dining options open on Saturday including Cafe 101, Taqueria Girasol, Gold Coast Grill, the SFSU Pub, Tuk-Tuk Thai SF, Asia Express and Ike’s Place open 8:00 a.m.-4:00 p.m. on Saturday.

Off Campus: There is a wide variety of restaurants and fast food close to campus.

Cafe Rosso, 1600 Holloway Ave, San Francisco, CA 94132; 415-405-0923. Open Saturday 8:00 a.m.-3:00 p.m.

Hall of Flame Burgers, 73 Cambon Dr, San Francisco, CA 94132; 415-584-4444. Open Saturday 11:00 a.m.-9:00 p.m. and Sunday 11:00 a.m.-6:00 p.m.

Dinosaurs Vietnamese Sandwiches, 2522 Ocean Avenue, San Francisco, CA 94132; 415-334-1421; eattdinosaurs.com. Open 7:00 a.m.-7:00 p.m. daily.

BullsHead Restaurant, 840 Ulloa St, San Francisco, CA 94127; 415-665-4350; http://www.bullsheadsf.com/. Serving steaks and burgers. Open Saturday 11:00 a.m.-10:00 p.m. and Sunday 11:00 a.m.-9:00 p.m.

Spiazzo Ristorante, 33 W. Portal Ave., San Francisco, CA 94127; 415-6649511. Offering Italian and seafood. Open Saturday 11:00 a.m.-10:30 p.m. and Sunday 11:00 a.m.-10:00 p.m.

Bursa, 60 West Portal Ave., San Francisco, CA 94127; 415-564-4006; bursasf.com. Serving Middle Eastern, Turkish, and Mediterranean fare. Open Friday and Saturday 11:00 a.m.-10:00 p.m. and Sunday 11:00 a.m.-9:00 p.m.

Taraval Okazu Ya Restaurant, 1735 Taraval St, San Francisco, CA 94116; 415-759-6850. Offering Japanese and sushi. Open Saturday 12:00 p.m.-10:00 p.m. and Sunday 5:00 p.m.-10:00 p.m.

Registration and Meeting Information

Advance Registration

Advance registration for this meeting will open on August 1, 2014. Fees will be US$56 for AMS members, US$78 for nonmembers, and US$5 for students, unemployed mathematicians, and emeritus members.

Onsite Information and Registration

Onsite registration and the book exhibit will be located outside of Room 404 of Thornton Hall. Special Sessions will be located in Thornton Hall, Hensill Hall, and the Business Building. The Invited Addresses will be located in the Science building. You can find the campus map here: http://www.sfsu.edu/~sfsuemap/.

The onsite registration desk will be open on Saturday October 25, 7:30 a.m.-4:00 p.m. and Sunday, October 26, 8:00 a.m.-12:00 p.m. Fees are US$56 for AMS members, US$78 for nonmembers, and US$5 for students, unemployed mathematicians, and emeritus members. Fees are payable onsite via cash, check, or credit card.

Special Needs

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If special needs accommodations are necessary in order for you to participate in an AMS Section Meeting, please communicate your needs in advance to the AMS Meetings Department by:

Registering early for the meeting

Checking the appropriate box on the registration form

Sending an email request to the AMS Meetings Department at mmsb@ams.org or meet@ams.org.

AMS Einstein Public Lecture in Mathematics

The 2014 Einstein Public Lecture will be held on October 25, 2014, at 7:30 p.m. in the Towers Conference Center on the San Francisco State University campus. The lecturer will be James H. Simons, Chairman, Simons Foundation. The talk is titled Mathematics, Common Sense, and Good Luck.

The lecture will be followed by a reception hosted by the American Mathematical Society and the Department of Mathematics of San Francisco State University, which will take place from 7:15 p.m. to 8:45 p.m. in the Seven Hills Conference Center on the SFSU campus. Since a very large audience is expected, an RSVP for planning purposes is encouraged but not required. Please RSVP at https://docs.google.com/forms/d/1LxXik9IeROQcGU-L0i-
Meetings & Conferences

Wm15Mu9Ztca8heBxPoj3-K2tg/viewform?usp=send_form.

Other Activities

Book Sales: Stop by the onsite AMS bookstore and review the newest titles from the AMS, enjoy up to 25% off all AMS publications, or take home an AMS t-shirt! Complimentary coffee will be served courtesy of AMS Membership Services.

AMS Editorial Activity: An acquisitions editor from the AMS book program will be present to speak with prospective authors. If you have a book project that you would like to discuss with the AMS, please stop by the book exhibit.

Local Information and Maps

This meeting will take place on the campus of San Francisco State University. A campus map can be found at www.sfsu.edu/~sfsumap/. Information on the Department of Mathematics may be found at math.sfsu.edu/. Please visit the university’s website at sfsu.edu/ for additional information on the campus.

Parking

Parking Lot 19 is located towards back campus and can be accessed by entering on State Drive off of Lake Merced Blvd.

For information on parking rates and details please go to: www.sfsu.edu/~parking/text/parking.html.

For those who are planning to purchase a daily permit for Lot 19 parking garage on campus, be sure to scratch off the correct date.

To get to Thornton Hall (TH) from Parking Lot 19 you will need to take the elevator to the fifth floor of the garage. Exit to the left from the elevator. From there you will take a left to cross the bridge that connects the garage with campus. After crossing the bridge, make a left and follow the road uphill and keeping right at the fork. You will walk for a few hundred yards, passing the athletic field/track which will be to your left, until you reach Thornton Hall, a gray building at the very end of the road. Turn right. Walk a few more yards and turn left into the garage-looking entrance for Thornton Hall. Enter the first door on your left. You will be on the second floor. Stairs to the fourth floor are on your right, or elevators are located near the middle of the corridor in which you are standing.

Travel

The San Francisco State University campus is located at 1600 Holloway Street, San Francisco, California. The San Francisco International Airport (SFO) is located approximately 9 miles south of the university.

Driving to the University

From the north:
Take Highway 101 South, cross the Golden Gate Bridge. Stay in the far right lane after crossing to take Highway 1 South/19th Avenue exit. Follow 19th Avenue to campus, which is at Holloway Avenue.

To get to the parking garage, turn right onto Holloway Ave. and continue to Font Blvd. Turn right onto Font Blvd. and continue to Lake Merced Blvd. Turn right onto Lake Merced Blvd. then take an immediate right onto State Drive which leads to the entrance of the parking garage.

From the south:
Take I-280 North, exit at 19th Avenue. Take Junipero Serra Boulevard to Holloway Avenue, turn left on Holloway Avenue to campus at 19th Avenue. (If you missed Junipero and stayed on 19th Ave., you would have to U-turn at the Stonestown Mall.)
To get to the parking garage, continue on Holloway Ave. to Font Blvd. Turn right onto Font Blvd. and continue to Lake Merced Blvd. Turn right onto Lake Merced Blvd. then take an immediate right onto State Drive which leads to the entrance of the parking garage.

From the east:
Take I-80 West across the Bay Bridge to Highway 101 South. Take 101 South to I-280 toward Daly City. Take the San Jose Avenue/Mission St. exit (immediately after the Ocean Avenue exit), bearing right onto Sagamore Street to Brotherhood Way.

To get to the parking garage stay on Brotherhood Way and turn right onto Lake Merced Blvd. Turn right onto State Drive which is the third light after turning onto Lake Merced Blvd. and immediately after Font Blvd. The entrance to the parking garage is at the end of State Drive.

From the San Francisco International Airport:
Take the I-280 North to exit at 19th Avenue. Take Junipero Serra Boulevard to Holloway Avenue; turn left on Holloway Avenue to campus at 19th Avenue.
To get to the parking garage, continue on Holloway Ave. to Font Blvd. Turn right onto Font Blvd. and continue to Lake Merced Blvd. Turn right onto Lake Merced Blvd. then take an immediate right onto State Drive which is the entrance to the parking garage.

From the Oakland Airport:
Take I-880 North towards Downtown Oakland. Take the I-80 West exit towards Bay Bridge/San Francisco. Continue on US-101 South. Take 101 South to I-280 toward Daly City. Take the San Jose Avenue/Mission St. exit (immediately after the Ocean Avenue exit), bearing right onto Sagamore Street to Brotherhood Way to Junipero Serra Boulevard North. Take Junipero Serra Boulevard to Holloway Avenue; turn left on Holloway Avenue to campus at 19th Avenue.

Car Rental: Hertz is the official car rental company for the meeting. To make a reservation accessing our special meeting rates online at www.hertz.com, click on the box “I have a discount”, and type in our convention number (CV): 04N30003. You can also call Hertz directly at 800-654-2240 (U.S. and Canada) or 405-749-4434 (other countries).

By BART (within the Bay Area or from SF International Airport and Oakland Airport):
Take any San Francisco-bound BART train to the Daly City BART station. From the BART station, there will be multiple taxi cabs available. The estimated fare to campus is approximately US$8 or you can obtain a transfer for the 28 Muni (good for one ride to and from BART) from the machine (press green button) in the lobby before exiting the station. Exit at the “SFSU 19th Ave. & Holloway Ave.” stop. Head north on 19th Ave. past the Science Building.
Turn left at Hensill Hall and Thornton Hall will be in front of you.

**Local Transportation**

**Taxi Service**

Taxi cabs are available within San Francisco. You may reserve in advance with Yellow Cab 415-333-3333 or Luxor Cab 415-282-4141. If you are staying in Daly City, please use Serra Yellow Cab 650-991-2345 or 650-991-3881.

**Weather**

The best way to describe San Francisco is a “micro climate”, the dry period of May to October is mild to warm, with average high temperatures of 64–71°F (18–22°C) and lows of 51–56°F (11–13°C).

**Information for International Participants**

Visa regulations are continually changing for travel to the United States. Visa applications may take from three to four months to process and require a personal interview, as well as specific personal information. International participants should view the important information about traveling to the U.S. found at sites.nationalacademies.org/pga/biso/visas/ and travel.state.gov/visa/visa_1750.html. If you need a preliminary conference invitation in order to secure a visa, please send your request to mkl@ams.org.

If you discover you do need a visa, the National Academies website (see above) provides these tips for successful visa applications:

* Visa applicants are expected to provide evidence that they are intending to return to their country of residence. Therefore, applicants should provide proof of “binding” or sufficient ties to their home country or permanent residence abroad. This may include documentation of the following:
  - family ties in home country or country of legal permanent residence
  - property ownership
  - bank accounts
  - employment contract or statement from employer stating that the position will continue when the employee returns;

* Visa applications are more likely to be successful if done in a visitor's home country than in a third country;

* Applicants should present their entire trip itinerary, including travel to any countries other than the United States, at the time of their visa application;

* Include a letter of invitation from the meeting organizer or the U.S. host, specifying the subject, location and dates of the activity, and how travel and local expenses will be covered;

* If travel plans will depend on early approval of the visa application, specify this at the time of the application;

* Provide proof of professional scientific and/or educational status (students should provide a university transcript).

This list is not to be considered complete. Please visit the websites above for the most up-to-date information.

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**Greensboro, North Carolina**

*University of North Carolina at Greensboro*

**November 8–9, 2014**

*Saturday – Sunday*

**Meeting #1105**

Southeastern Section

Associate secretary: Brian D. Boe

Announcement issue of Notices: August 2014

Program first available on AMS website: September 25, 2014

Program issue of electronic Notices: November 2014

Issue of Abstracts: Volume 35, Issue 4

**Deadlines**

For organizers: Expired

For abstracts: September 23, 2014

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

**Invited Addresses**

Susanne C. Brenner, Louisiana State University, Novel finite element methods for optimal control problems with PDE constraints.

Skip Garibaldi, Emory University, \( E_8 \) and other exceptional groups.

Stavros Garoufalidis, Georgia Institute of Technology, Knots and q-series.

James Sneyd, University of Auckland, The dynamics of calcium: Oscillations, waves, theories, and experiments (AMS-NZMS Maclaurin Lecture).

**Special Sessions**

If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the
abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.


Algorithms for Local Fields (Code: SS 14A), Chad Awtrey, Elon University, and Sebastian Pauli, University of North Carolina at Greensboro.

Automorphic Forms and Related Topics (Code: SS 11A), Matthew Boylan, University of South Carolina, Jayce Getz, Duke University, and Dan Yasaki, University of North Carolina at Greensboro.

Connections in Number Theory (Code: SS 20A), Joseph Vandehey, University of Georgia.

Difference Equations and Applications (Code: SS 1A), Michael A. Radin, Rochester Institute of Technology, and Youssef Raffoul, University of Dayton.

Discontinuous Galerkin Finite Element Methods (Code: SS 13A), Susanne C. Brenner and Joscha Gedicke, Louisiana State University, and Thomas Lewis, University of North Carolina at Greensboro.

Discrete Structures in Classical Geometries (Code: SS 4A), Philip L. Bowers, Florida State University.

Exceptional Groups in Physics, Algebra, and Geometry (Code: SS 17A), Asher Auel, Yale University, Anthony Ruozzi, Emory University, and George McNinch, Tufts University.

Galois Theory and Its Interactions with Algebra and Number Theory (Code: SS 12A), Chad Awtrey, Elon University, and Michael Bush, Washington and Lee University.

Geometric Analysis (Code: SS 6A), Hubert Bray, Duke University, and Andrew Cooper, North Carolina State University.

Geometry and Combinatorics on Homogeneous Spaces (Code: SS 10A), Leonardo C. Mihalcea, Virginia Tech University, and Richard Rimanyi, University of North Carolina Chapel Hill.

Knot Theory and Its Applications (Code: SS 7A), Elizabeth Denne, Washington & Lee University, and Laura Taalman, James Madison University.

Mirror Symmetry (Code: SS 18A), Matthew Ballard, University of South Carolina, and David Favero, University of Alberta.

Movement in Mathematical Biology (Code: SS 19A), Jonathan T. Rowell and Jan Rychtar, University of North Carolina at Greensboro.

Multiple Combinatorial Numbers and Associated Identities (Code: SS 16A), Hasan Coskun, Texas A&M University Comerce.

Nonlinear Boundary Value Problems (Code: SS 5A), Maya Chhetri, University of North Carolina at Greensboro, and Stephen Robinson, Wake Forest University.

Partial Differential Equations Related to Fluids (Code: SS 15A), Dhanapati Adhikari, Marywood University.

Recent Advances in Numerical Methods for Fluid Flow Problems (Code: SS 2A), Leo Rehholz, Clemson University, and Zhu Wang, University of South Carolina.

Recent Developments in Graph Theory and Hypergraph Theory (Code: SS 3A), David Galvin, University of Notre Dame, and Clifford Smyth, University of North Carolina at Greensboro.

Set Theoretic Topology (Code: SS 8A), Peter J. Nyikos, University of South Carolina, and Jerry Vaughan, University of North Carolina at Greensboro.

Sessions for Contributed Talks

There also will be sessions for 10-minute contributed talks. Please see the abstracts submission form at http://www.ams.org/cgi-bin/abstracts/abstract.pl. The deadline for all submissions is September 23, 2014.

Accommodations

Participants should make their own arrangements directly with the properties listed below. Special rates for the meeting have been negotiated and are available for Friday and Saturday nights, November 7 and 8; rates may be extended to one day before or after these dates if rooms are available; please ask when you make your reservation. Please cite AMS Math Meeting on the UNCG Campus when making a reservation. The AMS is not responsible for the availability of rates or the quality of the accommodations. Hotels have varying cancellation or early checkout penalties; be sure to ask for details when making your reservation. The room rates quoted below do not include applicable taxes; the current tax rate on hotel rooms is 12.75%.

As it is not possible to walk to campus from most of the following hotels, the UNC-Greensboro Department of Mathematics and Statistics will provide limited shuttle service from the Courtyard Marriott, Extended Stay America, Hyatt Place, La Quinta Inn and Suites Greensboro, and the Wingate by Wyndham-Greensboro (all in the same general vicinity near shopping and restaurants, and a bit more than five miles from campus). Please note that all hotels have a smoke-free policy except where noted.

Courtyard by Marriott Greensboro, 4400 West Wendover Avenue, Greensboro, NC 27407; 800-321-2211 or 336-294-3800 (phone), 301-576-6174 (fax). www.marriott.com/hotels/travel/gstown-courtyard-greensboro. All rooms include a coffee maker (refrigerators available on request), free in-room wireless, free parking, and a complimentary hot breakfast. There is a full-service restaurant on the premises serving breakfast and dinner. This property has its own fitness center and seasonal outdoor pool. The deadline for reservations is October 17, 2014.

Extended Stay America, 1705 Stanley Rd., Greensboro, NC 2740; 336-574-0405 (phone) 336-218-5692 (fax); www.extendedstayamerica.com/hotels/nc/greensboro/wendover-ave. This hotel offers meeting participants 5% off the prevailing rate when reservations are made. Rates at the time this announcement was prepared were between US$50 and US$70 per night. All rooms are equipped with free Wi-Fi, full kitchens, a refrigerator, coffee maker, cookware, utensils, microwave, and include complimentary continental breakfast, free local calls, one queen bed, and one sleeper sofa. You may check the hotel’s website to find the prevailing rate of the day; when you contact the hotel to make your reservation, they will apply the 5%
discount. There is no deadline for reservations, however, participants are advised to make reservations early to avoid a sellout situation. This offer is only applicable for stays at the 1705 Stanley Rd. property.

Hyatt Place, 1619 Stanley Road, Greensboro, NC 27407; 336-852-1443 (phone) 336-854-9339 (fax); http://greensboro.place.hyatt.com. US$95/single or double. All rooms include a coffee maker and small refrigerator, complimentary wireless, free parking, and complimentary hot breakfast. There is a fitness center, outdoor seasonal pool, and a restaurant and lounge on the premises. The hotel also offers a limited shuttle service to venues within five miles. As a special service for this meeting, they will pick up participants at the Greensboro airport. The deadline for reservations is October 7, 2014.

La Quinta Inns & Suites Greensboro, 1201 Lanada Rd., Greensboro, NC 27407; 866-527-1498, 336-316-0100 (phone), 336-316-0190 (fax); www.laquinta greensboro.com; US$79/single/double/triple/quad. All rooms include a coffee maker (king-bedded rooms also include microwave and refrigerator), free wireless, free local phone calls, complimentary expanded continental breakfast (make-your-own-waffles), and free parking. Complimentary coffee and tea are available in the lobby 24 hours a day. On the premises is a health club, hot tub, and seasonal outdoor pool. Smoking rooms may be available. The hotel also offers a complimentary shuttle service from and to the airport; this service may be limited during peak times. The deadline for reservations is October 20, 2014; please cite block #01909295 when making your reservation.

Wingate by Windham-Greensboro, 6007 Landmark Center Blvd., Greensboro, NC 27407; 336-854-8610 (phone), 336-854-8680 (fax). US$85/single or double. All rooms include coffee maker, microwave, and refrigerator; complimentary hot breakfast, and in-room Wi-Fi. There is free parking on the premises, a 24-hour fitness center, and a seasonal outdoor pool. The hotel provides free shuttle service to and from the airport on a limited schedule between 6:00 a.m. and 11:00 p.m., however, you must make a reservation 24 hours in advance. The deadline for reservations is October 24, 2014.

Greensboro Marriott Downtown, 304 North Green Street, Greensboro, NC 27401; 336-379-8000 or 800-228-9290 (phone), 336-387-8024 (fax) www.marriott.com/hotels/travel/gsdot-greensboro-marriott-downtown; US$119/single or double; all rooms have coffee makers; in-room Internet is available for an extra fee. On the premises is an indoor pool, fitness center, and a full service restaurant and bar. Self-parking is US$11/day; valet parking is US$15/day. It is a 1.8 mile walk from this to the School of Education Building on campus where the meeting will be held. As this property is much closer to campus, participants will be on their own to get to the meeting site. The deadline for reservations is October 7, 2014.

Food Service

On Campus

The Elliott University Center, 507 Stirling St., Greensboro, NC 27412 is .1 mile north east of the meeting location and is open from 11:00 a.m. to 6:00 p.m. on weekends. At the EUC are Papa John’s, Ghassan’s, Hissho Sushi, Salsarita’s, Chick-fil-A, Wild Greens, Subway, and Jamba Juice. The Barnes and Noble Café on the main floor offers Starbucks coffee, muffins, and sandwiches.

Off Campus

There are several restaurants within walking distance of the conference. Among these are

- Boba House, 332 Tate Street, Greensboro, NC 27403. Features Thai- and Vietnamese-inspired vegetarian and vegan cuisine. Open Saturday, noon to 9:00 p.m. Closed Sunday.

- Coffeeology, 423 Tate Street, Greensboro, NC 27403. Features coffee, panini, and gelato. Open Saturday and Sunday, 7:30 a.m. to 10:00 p.m.

- Olde Town Draught House, 1205 Spring Garden St., Greensboro, NC 27403. Features salads, pizzas, sandwiches, burgers, and burritos in a casual pub-like atmosphere. Open every day, 11:00 a.m. to 11:00 p.m.

- Jack’s Corner Mediterranean Deli, 1601 Spring Garden Street, Greensboro, NC 27403. Features Mediterranean platters and sandwiches along with deli sandwiches, burgers, and salads. Open Saturday, 10:30 a.m. to 9:00 p.m. Closed Sunday.

- Tate Street Coffee House, 334 Tate St., Greensboro, NC 27403. Features coffee, muffins, and pastries. Open Saturday, 6:30 a.m. to 11:00 p.m., and Sunday, 8:00 a.m. to 11:00 p.m.

Further from campus

Fishbones, Sticks and Stones, and the Filling Station are all located at the corner of Walker Ave. and South Elm Ave.

- Fishbones, 2119 Walker Ave., Greensboro, NC 27403. Casual kitchen and pourhouse featuring modern American food. Open Saturday and Sunday, 11:00 a.m. to late.

- Sticks and Stones Clay Oven Pizza, 2200 Walker Ave., Greensboro, NC 27403. Features pizzas, sandwiches, and local beers. Open Saturday and Sunday, 11:00 a.m. to late.

- Lindley Park Filling Station, 2201 Walker Ave., Greensboro, NC 27403. Features salads and sandwiches, plus brunch on Sunday. Open Saturday and Sunday, 11:00 a.m. to midnight.

- Lucky 32, 1421 Westover Terrace, Greensboro, NC 27408. Features local Southern and American food and an extensive wine list. Open Saturday, 11:30 a.m. to 11:00 p.m., and Sunday, 10:00 a.m. to 9:00 p.m.

The following two restaurants are located in the Westover Gallery of Shops:

- Saffron Indian Cuisine, 1500 Mill Street, Ste. 104, Greensboro, NC 27408. Features a lunch buffet and fine Indian cuisine in the evening. Open Saturday and Sunday, noon to 3:00 p.m. and 5:00 p.m. to 10:00 p.m.

- Taste of Thai, 1500 Mill Street, Suite 101, Greensboro, NC 27408. Features casual Thai food and a lunch buffet.
Open Saturday, 11:30 a.m. to 3:00 p.m. and 5:00 p.m. to 10:15 p.m., and Sunday, 11:30 a.m. to 3:00 p.m. and 5:00 p.m. to 9:45 p.m.

Registration and Meeting Information

Advance Registration
Advance registration for this meeting will open on August 1, 2014. Fees will be US$56 for AMS members, US$78 for nonmembers, and US$5 for students, unemployed mathematicians, and emeritus members.

Onsite Information and Registration
Onsite meeting registration, the AMS Exhibit and Book Sale, and all scientific sessions will take place in the School of Education Building (SOEB) 1300 Spring Garden St., Greensboro, NC 27412. Registration will be located in the large lobby on the first floor in the southeast corner of the building. The book exhibit will be adjacent to the registration area in room 102. All Special Sessions and Invited Addresses will be located on the first and second floors of the SOEB. Computer labs will be provided for participants’ use. UNCG has wireless Internet access throughout campus and also offers eduroam connectivity.

Fees are US$56 for AMS members, US$78 for nonmembers, and US$5 for students, unemployed mathematicians, and emeritus members. Fees are payable onsite via cash, check, or credit card; advance registration will open on the AMS website on August 1, 2014.

Special Needs
It is the goal of the AMS to ensure that its conferences are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are accessible to all, regardless of disability. The AMS will strive, unless it is not practicable, to choose venues that are accessible to all, regardless of disability.

If special needs accommodations are necessary in order for you to participate in an AMS Section Meeting, please communicate your needs in advance to the AMS Meetings Department by:

- Registering early for the meeting
- Checking the appropriate box on the registration form
- Sending an email request to the AMS Meetings Department at mmsb@ams.org or meet@ams.org.

Other Activities

Book Sales: Stop by the on-site AMS bookstore and review the newest titles from the AMS, enjoy up to 25% off all AMS publications, or take home an AMS t-shirt! Complimentary coffee will be served courtesy of AMS Membership Services.

AMS Editorial Activity: An acquisitions editor from the AMS book program will be present to speak with prospective authors. If you have a book project that you would like to discuss with the AMS, please stop by the book exhibit.

Local Activities

There will be a reception in the Cone Ballroom at the Elliott University Center at 6:00 p.m. on Saturday, November 8. Hors d’oeuvres will be served.

Local Information, Maps, and Parking

This meeting will take place on the campus of the University of North Carolina at Greensboro. Maps are available at www.uncg.edu/online-map. Information about the Department of Mathematics and Statistics is available at http://math.uncg.edu.

Paid parking is available at the Oakland Avenue Parking Deck, across Spring Garden St. The cost is US$2 for the first hour, then US$1 per hour up to US$7 per day. Free parking is available in the lots on either side of Oakland Avenue near the parking garage. See the map at http://parking.uncg.edu/access/access.html?id=School of Education.

For additional information about UNCG, visit www.uncg.edu.

Travel

The University of North Carolina at Greensboro is located in Greensboro, NC. The Piedmont Triad Airport (GSO) is located approximately 10 miles north-northwest of the university; the address is 1000 A. Ted Johnson Pkwy., Greensboro, NC 27409. To get to the campus by taxi is a flat rate of US$25 (plus gratuity) (Yellow United Taxi).


Driving to campus from the Airport: Exit the airport and follow signs toward Greensboro and Bryan Blvd. Continue approximately eight miles. Turn right on Aycock Street. From Aycock Street, turn left on Spring Garden. Destination is ahead on the left, at the corner of Spring Garden and Stirling. Park on the right in the surface lots or in Oakland Parking deck and walk across Spring Garden Street.

Car Rental

Hertz is the official car rental company for the meeting. To make a reservation accessing our special meeting rates online at www.hertz.com, click on the box “I have a discount”, and type in our convention number (CV) 04N30004. You can also call Hertz directly at 800-654-2240 (U.S. and Canada) or 405-749-4434 (other countries). At the time this announcement was prepared, rates started at US$26 per day on the weekend. At the time of your reservation, the meeting rates will be automatically compared to other Hertz rates and you will be quoted the best comparable rate available.

Weather

The month of November is characterized by rapidly falling daily high temperatures, with daily highs decreasing from 65°F to 55°F over the course of the month, exceeding 75°F or dropping below 43°F only one day in ten. Daily low temperatures range from 36°F to 44°F, falling below 25°F or exceeding 55°F only one day in ten. The average probability that some form of precipitation will be observed...
in a given day is 37%, with little variation over the course of the month. Throughout November, the most common forms of precipitation are light rain and moderate rain. This information was gathered from weatherspark.com.

Information for International Participants

Visa regulations are continually changing for travel to the United States. Visa applications may take from three to four months to process and require a personal interview, as well as specific personal information. International participants should view the important information about traveling to the U.S. found at http://sites.nationalacademies.org/pga/biso/visas/ and http://travel.state.gov/visa/visa_1750.html. If you need a preliminary conference invitation in order to secure a visa, please send your request to dls@ams.org.

If you discover you do need a visa, the National Academies website (see above) provides these tips for successful visa applications:

* Visa applicants are expected to provide evidence that they are intending to return to their country of residence. Therefore, applicants should provide proof of “binding” or sufficient ties to their home country or permanent residence abroad. This may include documentation of the following:
  - family ties in home country or country of legal permanent residence
  - property ownership
  - bank accounts
  - employment contract or statement from employer stating that the position will continue when the employee returns;
* Visa applications are more likely to be successful if done in a visitor’s home country than in a third country;
* Applicants should present their entire trip itinerary, including travel to any countries other than the United States, at the time of their visa application;
* Include a letter of invitation from the meeting organizer or the U.S. host, specifying the subject, location and dates of the activity, and how travel and local expenses will be covered;
* If travel plans will depend on early approval of the visa application, specify this at the time of the application;
* Provide proof of professional scientific and/or educational status (students should provide a university transcript).

This list is not to be considered complete. Please visit the websites above for the most up-to-date information.

San Antonio, Texas

Henry B. Gonzalez Convention Center and Grand Hyatt San Antonio

January 10–13, 2015

Saturday – Tuesday

Meeting #1106

Joint Mathematics Meetings, including the 121st Annual Meeting of the AMS, 98th 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 of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).

Associate secretary: Steven H. Weintraub
Announcement issue of Notices: October 2014
Program first available on AMS website: To be announced
Program issue of electronic Notices: January 2015
Issue of Abstracts: Volume 36, Issue 1

Deadlines

For organizers: Expired
For abstracts: September 16, 2014

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/national.html.

Joint Invited Addresses

Jordan Ellenberg, University of Wisconsin-Madison, Title to be announced (AMS-MAA Invited Address).
Donald G. Saari, University of California, Irvine, Title to be announced (MAA-AMS-SIAM Gerald and Judith Porter Public Lecture).
Richard Tapia, Rice University, Title to be announced (AMS-MAA Invited Address).

AMS Invited Addresses

Iwan Agol, University of California, Berkley, Title to be announced.
Henri Darmon, McGill University, Title to be announced.
Susan Holmes, Stanford University, Title to be announced.
Michael Hopkins, Harvard University, Title to be announced (AMS Colloquium Lectures, Lectures I, II, III).
Russell Lyons, Indiana University, Title to be announced.
Irena Peeva, Cornell University, Title to be announced.
Daniel A. Spielman, Yale University, Title to be announced (AMS Josiah Willard Gibbs Lecture).

AMS Special Sessions

If you are volunteering to speak in a Special Session, you should submit your abstract as early as possible via the abstract submission form found at http://jointmathematicsmeetings.org/meetings/abstracts/abstract.pl?type=jmm.

Some sessions are cosponsored with other organizations. These are noted within the parenthesis at the end of each listing, where applicable.

Accelerated Advances in Multidisciplinary Optimal Control Problems and Mathematical Programming Based on Generalized Invexity Frameworks (Code: SS 4A), N. J. Huang, Sichuan University, R. N. Mohapatra, University of Central Florida, Ram Verma, Texas State University, and Alexander Zaslavski, Israel Institute of Technology.

Advances in Coding Theory (Code: SS 21A), Felice Manganiello and Gretchen L. Matthews, Clemson University, and Judy L. Walker, University of Nebraska.

Algebraic Combinatorics and Representation Theory (Code: SS 36A), Zajj Daugherty, Dartmouth College, and Ben Salisbury, Central Michigan University.

Applications of Dynamical Systems to Biological Models (Code: SS 18A), Yu Jin, University of Nebraska-Lincoln, and Xiang-Sheng Wang, Southeast Missouri State University (AMS-AAAS).

Beyond First-Order Model Theory (Code: SS 55A), John T. Baldwin, University of Illinois at Chicago, Xavier Caicedo, Universidad de los Andes, Rami Grossberg, Carnegie Mellon University, Jose Iovino, University of Texas at San Antonio, and Boris Zilber, Oxford University (AMS-ASL).

Classification Problems in Operator Algebras (Code: SS 47A), Arnaud Brothier, Vanderbilt University, Ionut Chifan, The University of Iowa, Darren Creutz, Vanderbilt University, Remus Nicoara, University of Tennessee, and David Penneys, University of Toronto.

Computing Intensive Modeling in Mathematical and Computational Biology (Code: SS 29A), Timothy D. Comar, Benedictine University, Olcay Akman, Illinois State University, and Daniel Hrozencik, Chicago State University.

Continued Fractions (Code: SS 43A), James McLaughlin, West Chester University, and Nancy J. Wyshinsky, Trinity College.

Creating Coherence in K–12 Mathematics (Code: SS 50A), Brigitte Lahme, Sonoma State University, William McCallum and Cody Patterson, University of Arizona, Kristin Umland, University of New Mexico, and Ellen Whitesides, University of Arizona.

Current Trends in Classical Dynamical Systems (Code: SS 25A), Lennard Bakker and Skyler Simmons, Brigham Young University (AMS-AAAS).

Difference Equations and Applications (Code: SS 3A), Steven Miller, Williams College, and Michael A. Radin, Rochester Institute of Technology.

Differential Geometry and Statistics (Code: SS 45A), Susan Holmes, Stanford University.

Enumerative Combinatorics (Code: SS 30A), Brian K. Miceli, Trinity University, and Jay Pantone and Vince Vatter, University of Florida.

Ergodic Theory and Dynamical Systems (Code: SS 32A), Mrinal Kanti Roychowdhury, University of Texas-Pan American.

Factorization Theory and Its Applications (Code: SS 11A), Nicholas Baeth, University of Central Missouri, Scott Chapman, Sam Houston State University, Jim Coykendall, Clemson University, and Alfred Geroldinger, KarlFranzens University.

Fixed Point Theory and Applications (Code: SS 13A), Clement Boateng Ampadu.

Fractional, Stochastic, and Hybrid Dynamic Systems with Applications (Code: SS 5A), John R. Graef, University of Tennessee at Chattanooga, G. S. Ladde, University of South Florida, and A. S. Vatsala, University of Louisiana at Lafayette.

Frames and Their Applications (Code: SS 33A), Radu Balan and Kasso Okoudjou, University of Maryland, and Rachel Ward, University of Texas.

Geometries Defined by Differential Forms (Code: SS 38A), Sergey Grigorian, University of Texas-Pan American, Sema Salur, University of Rochester, and Albert J. Todd, University of California, Riverside.

Geosystems Mathematics (Code: SS 54A), Willi Freeden, University of Kaiserslautern, Volker Michel, University of Siegen, and M. Zuhair Nashed, University of Central Florida.

Graphs, Matrices, and Related Problems (Code: SS 23A), Cheryl Grood and Thomas Hunter, Swarthmore College, and Sharon McCathern, Azusa Pacific University.

Groups, Algorithms, and Cryptography (Code: SS 2A), Bren Cavallo and Delaram Kahrobaei, City University of New York Graduate Center.

Heavy-Tailed Distributions and Processes (Code: SS 52A), U. Tuncay Alparslan and John P. Nolan, American University.

History of Mathematics (Code: SS 24A), Sloan Despeaux, Western Carolina University, Patti Hunter, Westmont College, Deborah Kent, Drake University, and Adrian Rice, Randolph-Macon College (AMS-MAA).

Holomorphic Dynamics in One and Several Variables (Code: SS 51A), Tanya Firsova, State University of New York at Stony Brook and Kansas State University, and Thomas Sharland, State University of New York at Stony Brook.

Hopf Algebras and Tensor Categories (Code: SS 6A), Susan Montgomery, University of Southern California, Shiu-Hung Ng, Louisiana State University and Iowa State University, and Sarah Witherspoon, Texas A&M University.

Inequalities and Quantitative Approximation (Code: SS 1A), Feng Dai, University of Alberta, and Mourad E. H. Ismail, University of Central Florida.

Inverse Problems (Code: SS 49A), Peter Muller, Rensselaer Polytechnic Institute, and Kaitlyn Voccola, Colorado State University.

Knot Theory (Code: SS 10A), Tim Cochran and Shelly Harvey, Rice University.
Limits of Discrete Structures (Code: SS 26A), Peter Diao, Dominique Guillot, Apoorva Khare, and Bala Rajaratnam, Stanford University.

Math Teachers Circles and the K–20 Continuum (Code: SS 41A), Brian Conrey, American Institute of Mathematics, Michael Nakamaye and Kristin Umland, University of New Mexico, and Diana White, University of Colorado at Denver.


Model Theory and Applications (Code: SS 48A), David Marker, University of Illinois at Chicago, Sergei Starchenko, University of Notre Dame, and Carol Wood, Wesleyan University.

Noncommutative Function Theory (Code: SS 16A), Paul S. Muhly, University of Iowa, and Gelu F. Popescu, University of Texas at San Antonio.

Operator Algebras and Their Applications: A Tribute to Richard V. Kadison (Code: SS 40A), Robert S. Doran and Efton Park, Texas Christian University.

Partitions, q-Series, and Modular Forms (Code: SS 37A), Atul Dixit, Tulane University, Tim Huber, University of Texas-Pan American, Amita Malik, University of Illinois, and Ae Ja Yee, Pennsylvania State University.

Positivity and Matrix Inequalities (Code: SS 35A), Dominique Guillot, Apoorva Khare, and Bala Rajaratnam, Stanford University.

Probability and Applications (Code: SS 34A), Rick Kenyon, Brown University, and Russell Lyons, Indiana University.

Progress in Multivariable Operator Theory (Code: SS 20A), Ron Douglas, Texas A&M University, and Constanze Liaw, Baylor University (AMS-AAAS).

Quantum Markov Chains, Quantum Walks, and Related Topics (Code: SS 7A), Chaobin Liu, Bowie State University, Takuya Machida, University of California, Berkeley, Salvador E. Venegas-Andraca, Tecnologico de Monterrey, Campus Estado de Mexico, and Nelson Petulantne, Bowie State University.

Recent Advances in Discrete and Intuitive Geometry (Code: SS 31A), Andras Bezdek, Auburn University, Ted Birszticzky, University of Calgary, and Wlodek Kuperberg, Auburn University (AMS-AAAS).

Recent Advances in the Analysis and Applications of Modern Splitting Methods (Code: SS 14A), Abdul Q. M. Khaliq, Middle Tennessee State University, Qin Sheng, Baylor University, and Bruce Wade, University of Wisconsin-Milwaukee.

Recent Developments in Algebraic Number Theory (Code: SS 9A), Wen-Ching Winnie Li, Pennsylvania State University, Tong Liu, Purdue University, and Ling Long, Iowa State University and Louisiana State University.

Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs (Code: SS 17A), Darren A. Narayan, Rochester Institute of Technology, Tamas Forgacs, California State University Fresno, and Jobby Jacob, Carl V. Lutzer, and Tamas Wiandt, Rochester Institute of Technology (AMS-MAA-SIAM).

Ricci Curvature for Homogeneous Spaces and Related Topics (Code: SS 8A), Megan Kerr, Wellesley College, and Tracy Payne, Idaho State University.

Selmer Groups (Code: SS 53A), Mirela Ciperiani, University of Texas, and Henri Darmon, McGill University.

Set-Valued Optimization and Variational Problems with Applications (Code: SS 22A), Akhtar A. Khan, Rochester Institute of Technology, Mau Nam Nguyen, Portland State University, Miguel Sama, Universidad Nacional de Educacion a Distancia, Madrid, and Christiane Tammer, Martin-Luther-University of Halle-Wittenberg.

Studies in Interconnections among Parameters in Graph Theory, Combinatorics, and Discrete Geometry (Code: SS 39A), Cong X. Kang and Eunjeong Yi, Texas A&M University at Galveston.

Successes and Challenges in Teaching Mathematics (Code: SS 46A), Ellina Grigorieva, Texas Woman’s University, and Natali Hritonenko, Prairie View A&M University.

Szegyies (Code: SS 27A), Giulio Caviglia, Purdue University, Jason McCullough, Rider University, and Irena Peeva, Cornell University.

The Scottish Book (Code: SS 15A), Krystyna Kuperberg, Auburn University, R. Daniel Mauldin, University of North Texas, and Jan Mycielski, University of Colorado.


What’s New in Group Theory? (Code: SS 19A), Arturo Magidin, University of Louisiana at Lafayette, and Elizabeth Wilcox, Oswego State University.

Washington, District of Columbia

Georgetown University

March 7–8, 2015
Saturday – Sunday

Meeting #1107

Eastern Section
Associate secretary: Steven H. Weintraub

Announcement issue of Notices: January 2015

Program first available on AMS website: To be announced

Program issue of electronic Notices: March 2015

Issue of Abstracts: Volume 36, Issue 2

August 2014 Notices of the AMS 827
Meetings & Conferences

Deadlines
For organizers: August 7, 2014
For abstracts: January 20, 2015

The scientific information listed below may be dated.
For the latest information, see www.ams.org/amsmtgs/sectional1.html.

Invited Addresses
  Frederico Rodriguez Hertz, Pennsylvania State University, Title to be announced.
  Nancy Hingston, The College of New Jersey, Title to be announced.
  Simon Tavaré, Cambridge University, Title to be announced (Einstein Public Lecture in Mathematics).
  Yitang Zhang, University of New Hampshire, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.

  Conceptual Mathematical Models in Climate Science
    (Code: SS 5A), Hans Engler and Hans Kaper, Georgetown University.
  Crossing Numbers of Graphs
    (Code: SS 3A), Paul Kainen, Georgetown University.
  Qualitative Behavior of Solutions of Partial Differential Equations
    (Code: SS 7A), Junning Shi, College of William and Mary, and Jiuyi Zhu, John Hopkins University.
  Quantum Algebras, Representations, and Categorifications
    (Code: SS 2A), Sean Clark and Weiqiang Wang, University of Virginia.
  Spatial Evolutionary Models and Biological Invasions
    (Code: SS 6A), Judith Miller, Georgetown University, and Yuan Lou, Ohio State University.
  Topology in Biology
    (Code: SS 4A), Paul Kainen, Georgetown University.
  Within-Host Disease Modeling
    (Code: SS 1A), Stanca Ciupu, Virginia Polytechnic Institute, and Sivan Leviyang, Georgetown University.

East Lansing, Michigan
Michigan State University
March 14–15, 2015
Saturday – Sunday
Meeting #1108
Central Section
Announcement issue of Notices: January 2015
Program first available on AMS website: January 29, 2015

Program issue of electronic Notices: To be announced
Issue of Abstracts: Volume 36, Issue 2

Deadlines
For organizers: August 26, 2014
For abstracts: January 20, 2015

The scientific information listed below may be dated.
For the latest information, see www.ams.org/amsmtgs/sectional1.html.

Invited Addresses
  Philippe Di Francesco, University of Illinois, Title to be announced.
  Alexander Furman, University of Illinois at Chicago, Title to be announced.
  Vera Mikyoung Hur, University of Illinois at Urbana-Champaign, Title to be announced.
  Mihnea Popa, University of Illinois at Chicago, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.

  Approximation Theory in Signal Processing and Computer Science
    (Code: SS 5A), Mark Iwen, Michigan State University, Rayan Saab, University of California San Diego, and Aditya Viswanathan, Michigan State University.
  Arithmetic of Hyperelliptic Curves
    (Code: SS 3A), Tony Shaska, Oakland University.
  Complex Analysis in Several Variables and its Applications
    (Code: SS 11A), Debraj Chakrabarti, Central Michigan University, and Yunus Zeytuncu, University of Michigan at Dearborn.
  Fractals and Tilings
    (Code: SS 10A), Sze-Man Ngai, Georgia Southern University, Erin Pearse, California Polytechnic State University, Yang Wang, Hong Kong University of Science and Technology, and Yimin Xiao, Michigan State University.
  Fractional Calculus and Nonlocal Operators
    (Code: SS 1A), Mark M. Meerschaert and Russell Schwab, Michigan State University.
  Groups and Representations
    (Code: SS 9A), Amanda Schaeffer Fry and Jonathan Hall, Michigan State University, and Hung Nguyen, University of Akron.
  Homotopy Continuation Methods and Their Applications to Science and Engineering
    (Code: SS 6A), Tianran Chen, Michigan State University, and Dhgagsh Mehta, North Carolina State University.
  New Developments in Stochastic Analysis, Stochastic Control and Related Fields
    (Code: SS 7A), Chao Zhu, University of Wisconsin-Milwaukee.
  Phase Retrieval in Theory and Practice
    (Code: SS 8A), Matthew Fickus, Air Force Institute of Technology, Mark Iwen, Michigan State University, and Dustin Mixon, Air Force Institute of Technology.
Las Vegas, Nevada
University of Nevada, Las Vegas
April 18–19, 2015
Saturday – Sunday

Meeting #1110
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: February 2015
Program first available on AMS website: March 5, 2015
Program issue of electronic Notices: To be announced
Issue of Abstracts: Volume 36, Issue 2

Deadlines
For organizers: September 18, 2014
For abstracts: February 24, 2015

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Joel Hass, University of California, Davis, Title to be announced.
Ko Honda, University of California, Los Angeles, Title to be announced.
Brendon Rhoades, University of California, San Diego, Title to be announced.
Bianca Viray, Brown University, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.

Data Analysis and Physical Processes (Code: SS 4A), Hanna Makaruk, Los Alamos National Laboratory, and Eric Machorro, National Security Technologies.
Inverse Problems and Related Mathematical Methods in Physics (Code: SS 1A), Hanna Makaruk, Los Alamos National Laboratory, and Robert Owczarek, University of New Mexico, Albuquerque.
Stochastic Analysis and Rough Paths (Code: SS 2A), Fabrice Baudoin, Purdue University, David Nualart, University of Kansas, and Cheng Ouyang, University of Illinois at Chicago.
Topics in Graph Theory: Structural and Extremal Problems (Code: SS 3A), Jie Ma, Carnegie Mellon University, Hefei Wu, Simon Fraser University, and Gexin Yu, College of William & Mary.
Porto, Portugal
University of Porto

June 10–13, 2015
Wednesday – Saturday

Meeting #1111
First Joint International Meeting involving the American Mathematical Society (AMS), the European Mathematical Society (EMS), and the Sociedade de Portuguesa Matematica (SPM).
Associate secretary: Georgia Benkart
Announcement issue of Notices: To be announced
Program first available on AMS website: To be announced
Program issue of electronic Notices: To be announced
Issue of Abstracts: Not applicable

Deadlines
For organizers: To be announced
For abstracts: To be announced

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Julia Chuzhoy, Toyota Technological Institute at Chicago, Title to be announced.
Andrew Neitzke, The University of Texas at Austin, Title to be announced.
Sebastien Roch, University of Wisconsin-Madison, Title to be announced.
Peter Sarnak, Princeton University, Title to be announced (Erdős Memorial Lecture).

Memphis, Tennessee
University of Memphis

October 17–18, 2015
Saturday – Sunday

Meeting #1113
Southeastern Section
Associate secretary: Brian D. Boe
Announcement issue of Notices: August 2015
Program first available on AMS website: September 3, 2015
Program issue of electronic Notices: To be announced
Issue of Abstracts: To be announced

Deadlines
For organizers: March 17, 2015
For abstracts: August 25, 2015

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/internmtgs.html.

Invited Addresses
Rui Loja Fernandes, University of Illinois at Urbana-Champaign, Title to be announced.
Irene Fonseca, Carnegie Mellon University, Title to be announced.
Annette Huber, Albert-Ludwigs-Universität, Title to be announced.
Mikhail Khovanov, Columbia University, Title to be announced.
André Neves, Imperial College London, Title to be announced.
Sylvia Serfaty, Université Pierre et Marie Curie Paris 6, Title to be announced.
Gigliola Staffilani, Massachusetts Institute of Technology, Title to be announced.
Marcelo Viana, Instituto de Matemática Pura e Aplicada, Brasil, Title to be announced.

Chicago, Illinois
Loyola University Chicago

October 3–4, 2015
Saturday – Sunday

Meeting #1112
Central Section
Associate secretary: Georgia Benkart
Announcement issue of Notices: June 2015
Program first available on AMS website: August 20, 2015
Program issue of electronic Notices: To be announced
Issue of Abstracts: Volume 36, Issue 4

Deadlines
For organizers: March 10, 2015
For abstracts: August 11, 2015

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Mark van Hoeij, Florida State University, Title to be announced.
Vaughan Jones, Vanderbilt University, Title to be announced.
Mette Olufsen, North Carolina State University, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.
Computational Analysis (Code: SS 1A), George Anastassiou, University of Memphis.
Fractal Geometry and Dynamical Systems (Code: SS 2A), Mrinal Kanti Roychowdhury, University of Texas-Pan American.
Fullerton, California

California State University, Fullerton

October 24–25, 2015
Saturday - Sunday

Meeting #1114
Western Section
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: August 2015
Program first available on AMS website: September 10, 2015
Program issue of electronic Notices: To be announced
Issue of Abstracts: Volume 36, Issue 4

Deadlines
For organizers: March 27, 2015
For abstracts: September 1, 2015

The scientific information listed below may be dated. For the latest information, see www.ams.org/amsmtgs/sectional.html.

Invited Addresses
Mina Aganagic, University of California, Berkeley, Title to be announced.
John Lott, University of California, Berkeley, Title to be announced.
Eyal Lubetzky, Microsoft Research, Redmond, Title to be announced.
Zhiwei Yun, Stanford University, Title to be announced.

Special Sessions
If you are volunteering to speak in a Special Session, you should send your abstract as early as possible via the abstract submission form found at http://www.ams.org/cgi-bin/abstracts/abstract.pl.

Applications of CAT(0) Cube Complexes (Code: SS 1A), Sean Cleary, City College of New York and the City University of New York Graduate Center, and Megan Owen, Lehman College of the City University of New York.

Seattle, Washington

Washington State Convention Center and the Sheraton Seattle Hotel

January 6–9, 2016
Wednesday - Saturday

Joint Mathematics Meetings, including the 122nd Annual Meeting of the AMS, 99th 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 of Symbolic Logic (ASL), with sessions contributed by the Society for Industrial and Applied Mathematics (SIAM).
Associate secretary: Michel L. Lapidus
Announcement issue of Notices: October 2015
Program first available on AMS website: To be announced
Program issue of electronic Notices: January 2016
Issue of Abstracts: Volume 37, Issue 1

Deadlines
For organizers: April 1, 2015
For abstracts: To be announced