Meetings & Conferences of the AMS

PROGRAM ALERT: In order that AMS meeting programs include the most timely information for each speaker, abstract deadlines have been moved to dates much closer to the meeting. What this means is that most meeting programs will appear in the *Notices* *after* the meeting takes place. However, complete meeting programs will be available on e-MATH about two to three weeks after the abstract deadline. ***Remember***, e-MATH is your most comprehensive source for up-to-date meeting information. See http://www.ams.org/meetings/.

Gainesville, Florida

University of Florida

March 12–13, 1999

Meeting #940

Southeastern Section
Associate secretary: Robert J. Daverman
Announcement issue of *Notices*: January 1999
Program issue of *Notices*: May 1999
Issue of *Abstracts*: Volume 20, Issue 2

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: January 20, 1999

Urbana, Illinois

University of Illinois, Urbana-Champaign

March 18–21, 1999

Meeting #941

Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: January 1999
Program issue of *Notices*: May 1999
Issue of *Abstracts*: Volume 20, Issue 2

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: January 27, 1999

Las Vegas, Nevada

University of Nevada, Las Vegas

April 10–11, 1999

Meeting #942

Western Section
Associate secretary: Bernard Russo
Announcement issue of *Notices*: February 1999
Program issue of *Notices*: June 1999
Issue of *Abstracts*: Volume 20, Issue 3

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: Expired
For abstracts: February 17, 1999

Invited Addresses

Igor Frenkel, Yale University, *Representations theory and four dimensional conformal field theory*.

Gregory J. Kuperberg, University of California, Davis, *Title to be announced*.

Lorenzo A. Sadun, University of Texas, Austin, *Title to be announced*.

John Steel, University of California, Berkeley, *Title to be announced*.

Special Sessions

Analysis and Geometry (Code: AMS SS I1), **Peter Li** and **Song-Ying Li**, University of California, Irvine.

Combinatorial Theory (Code: AMS SS G1), **Kequan Ding**, University of Illinois, Urbana, **Peter Shiue**, University of Nevada, Las Vegas, and **Yeong-Nan Yeh**, Academia Sinica.

Control and Dynamics of Partial Differential Equations (Code: AMS SS A1), **Zhonghai Ding**, University of Nevada, Las Vegas.

Diophantine Problems (Code: AMS SS J1), **Arthur Baragar**, University of Nevada, Las Vegas, and **Michael Bennett**, University of Illinois.

Geometric Group Theory (Code: AMS SS H1), **Eric M. Freden**, Southern Utah University, and **Eric Lewis Swenson**, Brigham Young University.

Graph Theory (Code: AMS SS B1), **Hung-Lin Fu**, National Chiao-Tung University, Taiwan, **Chris A. Rodger**, Auburn University, and **Michelle Schultz**, University of Nevada, Las Vegas.

Invariants, Distributions, Differential Operators and Harmonic Analysis (Code: AMS SS K1), **Ronald L. Lipsman**, University of Maryland, College Park.

Nonlinear PDEs—Methods and Applications (Code: AMS SS C1), **David Costa**, University of Nevada, Las Vegas.

Number Theory (Code: AMS SS F1), **Gennady Bachman**, University of Nevada, Las Vegas, **Richard A. Mollin**, University of Calgary, and **Peter J. Shiue**, University of Nevada, Las Vegas.

Numerical Analysis and Computational Mathematics (Code: AMS SS E1), **Jun Zhang**, University of Minnesota and University of Kentucky, and **Jennifer Zhao**, University of Michigan, Dearborn.

Set Theory (Code: AMS SS D1), **Douglas Burke** and **Derrick DuBose**, University of Nevada, Las Vegas.

Symmetries of Knots and Three-Manifolds (Code: AMS SS M1), **Swatee Naik**, University of Nevada, Reno, and **Jozef H. Przytycki**, George Washington University.

Accommodations

Participants should make their own arrangements directly with the hotel of their choice and state that they will be attending the American Mathematical Society meeting. The AMS is not responsible for rate changes or for the quality of the accommodations. Hotels listed provide free airport shuttle service upon request.

Days-Inn Airport, 5125 Swenson, Las Vegas, NV; 800-634-6439; $49.50/single or double. Rate includes tax.

La Quinta, 3970 Paradise Road, Las Vegas, NV; 702-7796-9000; $65.40/single or double. Rate includes tax and continental breakfast.

Quality Inn, 377 E. Flamingo Road, Las Vegas, NV; 702-733-7777; $75.21/single or double.

Food Service

There are a number of restaurants located near Classroom Building Complex-C. A list of restaurants will be available at the registration desk.

Local Information

Please visit the Web site maintained by the Department of Mathematical Sciences at `www.unlv.edu/Colleges/Sciences/Mathematics/` and the University of Nevada Web site, `www.unlv.edu/`.

Other Activities

AMS Book Sale: Examine the newest titles from the AMS! Most books will be available at a special 50% discount offered only at meetings. Complimentary coffee will be served, courtesy of AMS Membership Services.

Parking

Participants should park in the Thomas & Mack parking area and may use any meter, student, or staff area. There is no charge for weekend parking. Due to construction, participants should use the parking lot entrance from Tropicana onto Thomas & Mack Drive, not the Swenson entrance.

Registration and Meeting Information

The registration desk will be located in the 2nd floor lobby of Classroom Building Complex-C (CBC-C) and will be open from 7:30 a.m. to 5:00 p.m. on Saturday and from 8:00 a.m. to noon on Sunday.

Registration fees: (payable on-site only) $30/AMS members; $45/nonmembers; $10/emeritus members, students, or unemployed mathematicians. Fees are payable by cash, check, VISA, MasterCard, Discover, or American Express.

Travel

By air: McCarren International Airport is located approximately 2 miles from the UNLV campus. Several auto rental companies are located at the airport. Taxi, shuttle, and limousine services are readily available at the airport.

Driving: UNLV is located north of the Tropicana Avenue and Maryland Parkway intersection. The airport exits by way of Swenson Avenue to Tropicana Avenue. From Swenson go right on to Tropicana, then left onto Thomas & Mack Drive.

Weather

The April average high temperature is 78°F and low temperature is 50°F. The climate is typically dry, with an average of .17 inches of rainfall in April.

Buffalo, New York

State University of New York at Buffalo

April 24–25, 1999

Meeting #943

Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: February 1999
Program issue of *Notices*: June 1999
Issue of *Abstracts*: Volume 20, Issue 3

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: January 6, 1999
For abstracts: March 3, 1999

Invited Addresses

Michèle M. Audin, Université Louis Pasteur, *Integrable systems and spaces of curves.*

Russel Caflisch, University of California, Los Angeles, *Title to be announced.*

Jeffrey H. Smith, Purdue University, *Symmetric spectra.*

Alexander Voronov, MIT, *Operad theory and some applications.*

Gregg J. Zuckerman, Yale University, *Harmonic algebra.*

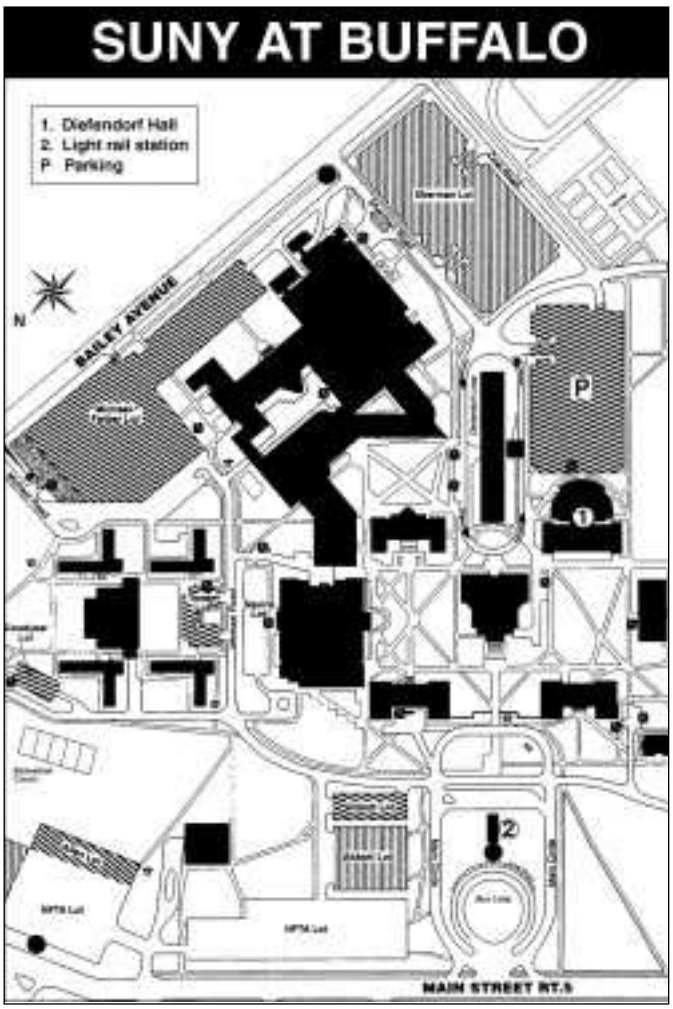
Special Sessions

Combinatorics and Graph Theory (Code: AMS SS C1), **Harris Kwong**, SUNY College at Fredonia.

Complex Geometry (Code: AMS SS G1), **Terrence Napier**, Lehigh University, and **Mohan Ramachandran**, SUNY at Buffalo.

Integrable Systems (Code: AMS SS J1), **Michèle M. Audin**, Université Louis Pasteur and NCRS, and **Lisa Claire Jeffrey**, McGill University.

Knots and 3-Manifolds (Code: AMS SS E1), **Thang T. Q. Le**, SUNY at Buffalo, **William W. Menasco**, SUNY at Buffalo, and **Morwen B. Thistlethwaite**, University of Tennessee.



Mathematical Physics (Code: AMS SS D1), **Jonathan Dimock**, SUNY at Buffalo.

Operads, Algebras, and Their Applications (Code: AMS SS H1), **Alexander A. Voronov**, Massachusetts Institute of Technology.

Representations of Lie Algebras (Code: AMS SS F1), **Duncan J. Melville**, Saint Lawrence University.

Smooth Categories in Geometry and Mechanics (Code: AMS SS A1), **F. William Lawvere**, SUNY at Buffalo.

Thin Films: Solid and Liquid (Code: AMS SS B1), **E. Bruce Pitman**, SUNY at Buffalo, and **Brian Spencer**, SUNY at Buffalo.

Accommodations

Participants should make their own arrangements directly with a hotel of their choice. Special rates have been negotiated at the hotel listed below. Participants should state that they will be attending the American Mathematical Society meeting and cite any special codes shown below. **Reservations should be made as early as possible**. Rate cited does not include tax of 13%.

Hyatt Regency Buffalo, Two Fountain Plaza (in the heart of downtown), 716-856-1234 (fax: 716-852-6157); $69/single or double; restaurant and lounge on premises (within walking distance of many restaurants); access from lobby to light rail line which goes directly to the UB South Campus (approximately $1.25 one way, $2.50 round trip; purchase a ticket from the vending machines prior to boarding the train and keep the ticket with you. There is a substantial penalty for lost tickets. Because of the later Sunday schedule for the light rail line, the University will sponsor a limited shuttle on Sunday morning from this hotel only for those who wish to get to the campus before 9:30 a.m.); free parking. **Deadline for reservations is March 26, 1999**.

Food Service and Local Information

There are a number of restaurants available within walking distance of the meeting location, and other restaurants within walking distance of the various recommended hotels and motels. More detailed information will be available at the registration desk and on the UB Department of Mathematics Web site; see `www.math.buffalo.edu/` and `www.buffalo.edu/`.

Other Activities

AMS Book Sale: Examine the newest titles from the AMS. Most books will be available at a special 50% discount offered only at meetings. Complimentary coffee will be served courtesy of AMS Membership Services.

Parking

Diefendorf Lot on UB's South Campus will be open for parking without charge throughout the weekend. The lot is located adjacent to Diefendorf Hall and is accessed via Sherman Road from Bailey Avenue (Rte. 62). For those wishing to visit the mathematics department during the week, visitor's hang tags are available from the department.

Registration and Meeting Information

N.B. This meeting will be held on the South Campus of the State University of New York at Buffalo.

Registration will take place in Room 114, Diefendorf Hall (Math Department Lounge), from 7:30 a.m. to 4:00 p.m. on Saturday and from 8:00 a.m. to noon on Sunday. All sessions and talks will take place in Diefendorf Hall.

Registration fees (payable on-site only) are $30/AMS or CMS members; $45 nonmembers; $10 emeritus members, students, or unemployed mathematicians. Fees are payable by cash, check, VISA, MasterCard, Discover, or American Express.

Travel

By air: The Greater Buffalo International Airport is the closest airport.

Delta Air Lines has been selected as the official airline for this meeting. The following specially negotiated rates are available exclusively to mathematicians and their families for the period April 21–28, 1999, on Delta Air Lines:

5% discount off published round-trip fares within the continental U.S., Hawaii, Alaska, Canada, Mexico, Bermuda, San Juan, Nassau, and the U.S. Virgin Islands. Some restrictions apply and seats are limited (no discounts apply on Delta Express). By purchasing your ticket 60 days or more prior to departure, you can receive an additional 5% bonus discount.

10% discount on Delta's domestic system for travel based on the published unrestricted round-trip coach (Y06) rates. No advance reservations or ticketing is required; however, by purchasing your ticket 60 days or more prior to departure, you can receive an additional 5% bonus discount (no discounts on Delta Express).

Special guaranteed round-trip Zone Fares to all cities served by Delta and Delta Express in the continental U.S., Hawaii, Alaska, Canada, Mexico, Bermuda, San Juan, Nassau, and the U.S. Virgin Islands for savings on midweek travel. Two-day minimum stay, no Saturday-night stay required, seven days' advanced reservations and ticketed. Fares are fully refundable, less administrative service fee. Zone Fares are not valid for destinations served only by a Delta Connection carrier. For reservations call (or have your travel agent call) Delta Meeting Network Reservations at 1-800-241-6760 weekdays between 7:30 a.m. and 11:00 p.m. (8:30 a.m.–11:00 p.m. on weekends) Eastern Standard Time. Refer to file number 117809A. These discounts are available only through Delta Meeting Network Reservation's toll-free number.

Taxi fare from the airport to South Campus is approximately $15. Ask for the UB South Campus (not UB North Campus or UB Amherst Campus or Buffalo State). The taxi driver should be instructed to take Sherman Road off Bailey Avenue and to stop at the far end of Diefendorf Loop; this takes one directly to Diefendorf Hall.

If driving from the airport, take Rte. 33 West (inbound) to I-90 North, then to I-290 North. Take the Rte. 5 (Main Street) West exit and proceed to Route 62.

Driving directions: The South Campus is located at the corner of state Routes 5 (Main Street) and 62 (Bailey Avenue). From the New York State Thruway (I-90), take Exit 50 to Rte. 5 West. Proceed to Rte. 62.

Weather

By the end of April, average high temperature in Buffalo is 60°F.; average low temperature is 40°F. Buffalo averages about three inches of rain per month in April and May.

Denton, Texas

University of North Texas

May 19–22, 1999

Meeting #944

Fourth International Joint Meeting of the AMS and the Sociedad Matemática Mexicana (SMM).
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: February 1999
Program issue of *Notices*: June/July 1999
Issue of *Abstracts*: Volume 20, Issue 3

Deadlines

For organizers: To be announced
For consideration of contributed papers in Special Sessions: January 27, 1999
For abstracts: March 24, 1999

Invited Addresses

Raymundo Bautista, UNAM, *Title to be announced.*

William Fulton, University of Michigan, Ann Arbor, *Title to be announced.*

Francisco Gonzalez Acuna, UNAM, *Title to be announced.*

Ronald L. Graham, AT&T Labs, *Title to be announced* (Erdős Memorial Lecture).

Jack K. Hale, Georgia Institute of Technology, *Title to be announced.*

Onesimo Hernandez-Lerma, CINVESTAV del IPN, *Title to be announced.*

Special Sessions

Algebraic Geometry and Commutative Algebra (Code: AMS SS F1), **Javier Elizondo**, UNAM, **Xavier Gomez-Mont**, CIMAT, **Alberto Corso**, Michigan State University, and **David A. Jorgensen**, University of Texas at Austin.

Algebraic Topology (Code: AMS SS Q1), **Frederick R. Cohen** and **Samuel Gitler**, University of Rochester, and **Carlos Prieto**, UNAM.

Combinatorics (Code: AMS SS N1), **Jorge Urrutia**, IMATE-UNAM and University of Ottawa, and **Wlodzimierz Kuperberg**, Auburn University.

Complex Analysis (Code: AMS SS R1), **E. Ramirez de Arellano**, CINVESTAV, and **John E. Fornaess**, University of Michigan, Ann Arbor.

Continuum Theory (Code: AMS SS D1), **Wayne Lewis**, Texas Tech University, and **Sergio Macias** and **Alejandro Illanes**, UNAM.

Differential Equations, Nonlinear Analysis, and Numerical Solutions to PDEs. (Code: AMS SS E1), **John W. Neuberger**, University of North Texas, and **Alfredo C. Nicolas**, UAM.

Functional Analysis and Its Applications (Code: AMS SS C1), **S. Perez-Esteva**, UNAM, and **Josefina Alvarez**, University of New Mexico.

Geometric and Symbolic Dynamical Systems (Code: AMS SS G1), **Luca Q. Zamboni**, University of North Texas, and **Edgardo Ugalde**, University of San Luis Potosi.

Low Dimensional Topology (Code: AMS SS H1), **Mark W. Brittenham**, University of North Texas, **Francisco Gonzalez Acuna**, IM-UNAM, and **Luis Valdez-Sanchez**, University of Texas at El Paso.

Noncommutative Geometry, Quantum Groups, and Applications (Code: AMS SS L1), **Micho Durdevich**, UNAM, and **Hanna Ewa Makaruk** and **Robert M. Owczarek**, Los Alamos National Laboratory.

Nonlinear Models in Biology and Celestial Mechanics (Code: AMS SS M1), **Ernesto Perez-Chavela** and **Jorge X. Velasco-Hernandez**, UAM, **Mary E. Parrott**, University of South Florida, and **Ernesto A. Lacomba**, UAM.

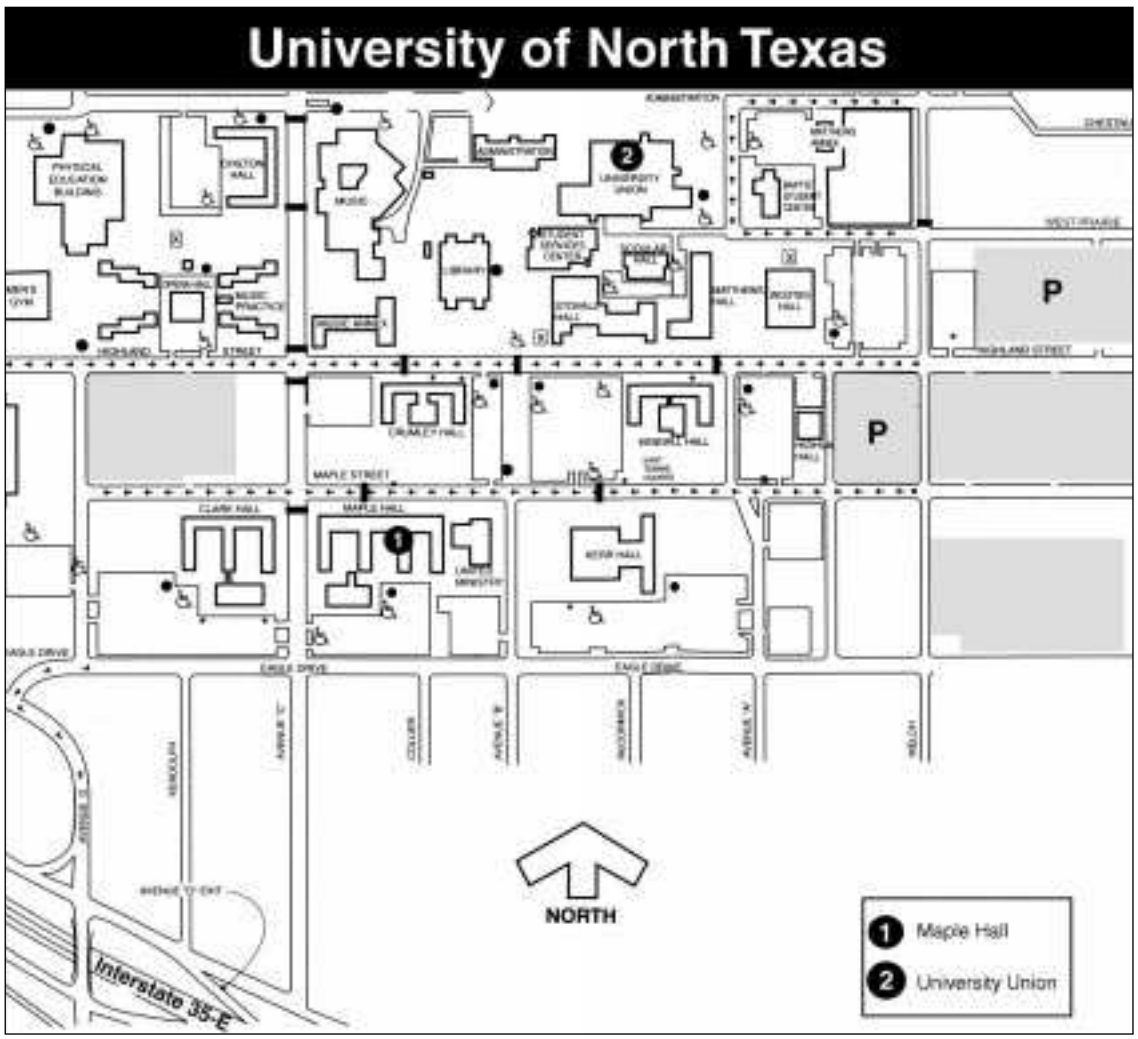
Representation Theory of Algebras (Code: AMS SS A1), **Jose A. de la Pena** and **Christof Geiss**, UNAM, and **Birge Zimmermann**, University of California, Berkeley.

Ring Theory (Code: AMS SS K1), **Carlos Signoret-Poillon**, UNAM-UAM, **Sergio Lopez-Permouth**, Ohio University, and **Ricardo Alfaro**, University of Michigan, Flint.

Smooth Dynamical Systems (Code: AMS SS P1), **David A. Delatte** and **Dan Mauldin**, University of North Texas, **Jose Seade**, UNAM, **Mariusz Urbanski**, University of North Texas, and **Alberto Verjovsky**, UNAM.

Stochastic Processes (Code: AMS SS J1), **Frederi G. Viens**, University of North Texas, **Jorge A. Leon**, CINVESTAV, and **Juan Ruiz de Chavez**, UAM.

Stochastic Systems and Control (Code: AMS SS B1), **Daniel Hernandez-Hernandez** and **Onesimo Hernandez-Lerma**, CINVESTAV, and **Guillermo Ferrayra**, Louisiana State University.



Accommodations

Participants should make their own arrangements directly with a hotel of their choice. Special rates have been negotiated at the hotels listed below. Participants should state that they are with the Joint Meeting of the AMS and SMM and cite any special codes shown below. **Reservations should be made as early as possible**; some properties are small, so the number of rooms may be very limited. Rates cited do not include tax of 13.25%. The AMS is not responsible for rate changes or the quality of the accommodations chosen.

Hotels

Radisson Hotel Denton (headquarters), 2211 I-35 East North, 940-565-8499 (fax: 940-387-4729); $80 single/$85 double. Full-service hotel with restaurant, lounge, exercise room, and pool, adjacent to the university's golf course; about a 10- or 15-minute walk to the meeting. **Deadline for reservations is April 19, 1999**.

Super 8 Motel, 620 I-35E (SW corner of Teasley/I-35E), 940-380-8888; $50/single or $60/double/triple; rates include Super Star breakfast; about a 10-minute drive to campus. **Deadline for reservations is May 5, 1999**; cite group name: AMS-SMM, and group code: AMSS.

Redbud Inn Bed and Breakfast, 815 N. Locust, 1-888-565-6414 (toll free); fax: 817-565-6515; e-mail: redbudbb@gte.net; see www.bbhost.com/redbudbb/; inn with seven rooms, $56–105/single or double, $10 for each additional person; about a 10-minute drive to campus. **Deadline for reservations is April 18, 1999**.

Royal Hotel Suites, 1210 N. I-35E (I-35E at McCormick), 940-383-2007 (same number for fax); $35/single, $44/double/king/single suite, rates include continental breakfast; very few nonsmoking rooms; suites have efficiency kitchens but no supplies; pool; about a 12-minute walk to campus. **Deadline for reservations is April 10, 1999**.

Campus Residence Hall

The University is pleased to offer accommodations in a campus residence hall. Maple Hall has suites of two twin-bedded rooms which share one bath per suite. Linens are provided; participants must make their own beds. There is no maid service or room service; participants should bring all amenities, including soap, clothes hangers, alarm clock, etc. The check-in desk is staffed 24 hours a day. Rates are $12 per person double occupancy and $17 for single occupancy, payable by cash, check, or credit card (VISA, MasterCard, or Discover); pay in full when you check in at Maple Hall. There is no tax on these room rates. There will be no refunds for those who depart earlier than their paid reservation period. Rooms are available for the period May 19 to May 23; contact Diana Forson, Business Services, P.O. Box 311008, UNT, Denton, TX 76203-1008; 940-565-2894; fax: 940-369-7072; e-mail: dvf@hsl.unt.edu. See below for information on residence hall parking permits. **Deadline for reservations is May 1, 1999**.

Food Service and Local Information

One of the dormitory cafeterias will be open for inexpensive meals. Details on this and nearby restaurants will be available at the meeting. Watch the University of North Texas meeting Web site at www.math.unt.edu/conf.htm for up-to-the-minute developments on this and other conference details.

Other Activities

AMS Book Sale: Examine the newest titles from the AMS. Most books will be available at a special 50% discount offered only at meetings.

Complimentary refreshment breaks will be served daily courtesy of the University of North Texas Department of Mathematics. Visit the hospitality center near the AMS book sale for free brochures of area attractions.

Parking

Parking permits cost $1/day and must be purchased at the desk in Maple Hall for participants staying in the residence hall. Other participants should purchase permits (also $1/day) at the meeting registration desk in the Lyceum Lobby on the 4th floor of the University Union. You may park in the garage next to the Union ($1.15/hr.) while you purchase your parking permit; then you must move your car to an appropriate lot. The most convenient to the meeting are three lots about one block south of the parking garage, accessed from West Prairie or Highland Streets.

Registration and Meeting Information

Registration will take place in the Lyceum Lobby in the University Union on Wednesday, 3:00 p.m. to 6:00 p.m.; Thursday and Friday, 8:00 a.m. to 4:00 p.m.; and Saturday, 9:00 a.m. to noon. Sessions will take place in the University Union and another facility to be determined. The registration fee is $50, payable by cash, check, or credit card (VISA, MasterCard, Discover, or American Express). Registration in advance is strongly encouraged! Many of the social events may sell out through advance registration, so register early! The deadline for advance registration is **April 12**. See the paper form at the back of this issue, or see the Web form at www.ams.org/amsmtgs/2053_other.html.

Social Events

N.B. Because of the guarantees that must be given to the suppliers of the following events, tickets are AVAILABLE THROUGH ADVANCE REGISTRATION ONLY! Please register early to be assured of securing a ticket to the events which interest you.

All registered participants are invited to a gala Opening Reception to be held after the Erdős Lecture (7:00 p.m.) on Wednesday, May 19. Hot and cold h'ors d'oevres will be served, and there will be a cash bar.

Arrangements are under-way for a private showing for meeting participants at the Sky Theater planetarium on campus on Thursday evening. This spectacular multimedia display will surround you with the heavens as you've never seen them before! Admission to this stellar event is $2/person.

The best place to experience the legend of the Old West is in Fort Worth! On Friday evening at 5:00 p.m. your motorcoach will depart from campus and travel to the Fort

Worth Stockyards (about 40 minutes away). Here you can walk along covered boardwalks and listen to local balladeers, watch hats and boots being crafted, and browse the shops and galleries. Dinner is on your own: order a Texas-size steak or barbecue at Cattleman's, the White Elephant Saloon, Riskey's, Spaghetti Warehouse, or one of the other fine restaurants in the area (list will be provided). At 8:00 p.m. participants should make their way over to the Cowtown Coliseum for general admission to Friday night's indoor rodeo. At 10:00 p.m. Billy Bob's Texas, the world's largest honky tonk, is waiting for you! Learn the two-step or just listen to live music, play pool, or outfit yourself in western wear at the Dry Goods Store. Buses will return to campus beginning at midnight.

Tickets are $16 and include round-trip transportation, general admission to the Cowtown Coliseum rodeo, and general admission to Billy Bob's Texas.

The meeting will come to an end with the Closing Ceremonies and Banquet on Saturday evening. There will be a cash bar reception at 6:30 p.m., and dinner will be served at 7:00 p.m. Enjoy your colleagues and new friends over a delightful dinner. Music will be provided by the One O'Clock Lab Band. This jazz band is without peer among university jazz bands, having performed at the White House and been nominated for several Grammy awards. Tickets are $20 per person and include two glasses of wine with dinner.

Travel

By air: Delta Air Lines has been selected as the official airline for this meeting. The following specially negotiated rates are available exclusively to mathematicians and their families for the period May 16–25, 1999, on Delta Air Lines:

5% discount off published round-trip fares within the continental U.S., Hawaii, Alaska, Canada, Mexico, Bermuda, San Juan, Nassau, and the U.S. Virgin Islands. Some restrictions apply and seats are limited (no discounts apply on Delta Express). By purchasing your ticket 60 days or more prior to departure, you can receive an additional 5% bonus discount.

10% discount on Delta's domestic system for travel based on the published unrestricted round-trip coach (Y06) rates. No advance reservations or ticketing is required; however, by purchasing your ticket 60 days or more prior to departure, you can receive an additional 5% bonus discount (no discounts on Delta Express).

Special guaranteed round-trip Zone Fares to all cities served by Delta and Delta Express in the continental U.S., Hawaii, Alaska, Canada, Mexico, Bermuda, San Juan, Nassau, and the U.S. Virgin Islands for savings on midweek travel. Two-day minimum stay, no Saturday-night stay required, seven days' advanced reservations and ticketing. Fares are fully refundable, less administrative service fee. Zone Fares are not valid for destinations served only by a Delta Connection carrier. For reservations call (or have your travel agent call) Delta Meeting Network Reservations at 1-800-241-6760 weekdays between 7:30 a.m. and 11:00 p.m. (8:30 a.m.–11:00 p.m. on weekends) Eastern Standard Time. Refer to file number 117809A. These discounts are available only through Delta Meeting Network Reservation's toll-free number.

Participants should fly into the Dallas-Fort Worth International Airport. The University of North Texas in Denton is located 28 miles from the airport via Interstate 35E and Highway 121. Taxi fares are expensive, and shuttle service may not be convenient. Most participants may find it more suitable to rent a car for transportation during their stay. If you choose to rent a car, please make arrangements well in advance; the availability can be very limited. See `www.bnm.com/dal.htm` for deals on rental cars at the Dallas-Fort Worth Airport. For information about the airport itself, see `www.dfwairport.com/`.

Driving directions: From the airport: Take 121 north to I35E; follow I35E north to Denton and exit onto McCormick Street. Turn right onto McCormick, then right onto Eagle. Turn left onto Welch and left again on Prairie. The campus parking garage will be on your right.

Because of construction on the west side of campus scheduled throughout 1999, participants should check the UNT conference Web site for accurate driving directions, and Web sites for other driving directions, closer to the meeting dates.

Weather

Denton weather in mid-May normally provides daily temperatures between 63° and 84°F. Average rainfall is about 4 inches during the month, and participants should be prepared for thunderstorms that clear away the humidity.

Melbourne, Australia

Melbourne, Australia

July 12–16, 1999

Meeting #945

First International Joint Meeting of the American Mathematical Society and the Australian Mathematical Society
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: March 1999
Program issue of *Notices*: Not applicable
Issue of *Abstracts*: Not applicable

Deadlines

For organizers: Expired
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Invited Addresses

Jennifer Chayes, Microsoft, *Title to be announced.*

Michael Eastwood, University of Adelaide, *Title to be announced.*

Roger Grimshaw, Monash University, *Title to be announced.*

Gerhard Huisken, University of Tuebingen, *Title to be announced.*

Vaughan Jones, University of California, Berkeley, *Title to be announced.*

Hyam Rubinstein, Melbourne University, *Title to be announced.*

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

Neil Trudinger, Australian National University, *Title to be announced.*

Special Sessions

Algebraic Groups and Related Topics, **Eric Friedlander**, Northwestern University, and **Gustav I. Lehrer**, University of Sydney.

Fluid Dynamics, **Susan Friedlander**, Northwestern University, and **Roger H. J. Grimshaw**, Monash University.

Geometric Analysis and Partial Differential Equations, **Benjamin H. Andrews**, Australian National University, **Michael G. Eastwood**, University of Adelaide, **Klaus Ecker**, Monash University, and **Gerhard Huisken**, Princeton University and University of Tuebingen.

Geometric Group Theory, **Swarup Gadde** and **Walter Neumann**, University of Melbourne.

Geometric Themes in Group Theory, **Gustav I. Lehrer**, University of Sydney, **Cheryl E. Praeger**, University of Western Australia, and **Stephen D. Smith**, University of Illinois at Chicago.

Group Actions, **Marston Conder**, **Gaven Martin**, and **Eamonn O'Brien**, University of Auckland.

Low Dimensional Topology, **William H. Jaco**, Oklahoma State University, and **Hyam Rubinstein**, Melbourne University.

Mathematical Physics: Many Body Systems, **Alan L. Carey**, University of Adelaide, **Paul A. Pearce**, University of Melbourne, and **Mary Beth Ruskai**, University of Massachusetts, Lowell.

Mathematics Learning Centers, **Judith Baxter**, University of Illinois, Chicago, **Jackie Nicholas**, University of Sydney, and **Jeanne Wald**, Michigan State University.

Moduli Spaces of Riemann Surfaces, Mapping Class Groups and Invariants of 3-Manifolds, **Ezra Getzler**, Northwestern University, and **Richard Hain**, Duke University.

Nonlinear Dynamics and Optimization, **A. F. Ivanov**, Penn State University and University of Ballarat, **A. Mees**, University of Western Australia, and **A. Rubinov**, University of Ballarat.

Probability Theory and Its Applications, **Timothy Brown**, University of Melbourne, **Phil Pollett**, University of Queensland, and **Ruth J. Williams**, University of California, San Diego.

Recent Trends in Operator Theory and Harmonic Analysis, **Michael T. Lacey**, Georgia Institute of Technology, and **Alan G. R. McIntosh**, Macquarie University.

Salt Lake City, Utah

University of Utah

September 25–26, 1999

Meeting #946

Western Section
Associate secretary: Bernard Russo
Announcement issue of *Notices*: June 1999
Program issue of *Notices*: November 1999
Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: January 21, 1999
For consideration of contributed papers in Special Sessions: June 8, 1999
For abstracts: August 3, 1999

Providence, Rhode Island

Providence College

October 2–3, 1999

Meeting #947

Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: August 1999
Program issue of *Notices*: November 1999
Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: January 6, 1999
For consideration of contributed papers in Special Sessions: June 16, 1999
For abstracts: August 11, 1999

Invited Addresses

Dan M. Barbasch, Cornell University, *Title to be announced.*

Henri Berestycki, Université Paris VI and École Normale Superieure, *Title to be announced.*

David Mumford, Brown University, *Title to be announced.*

Guoliang Yu, University of Colorado, *Title to be announced.*

Special Sessions

Algebraic and Geometric Combinatorics (Code: AMS SS A1), **Vesselin N. Gasharov**, Cornell University, and **Ira M. Gessel**, Brandeis University.

Representation Theory of Reductive Groups (Code: AMS SS B1), **Dan M. Barbasch** and **Birgit Speh**, Cornell University.

Austin, Texas

University of Texas at Austin

October 8–10, 1999

Meeting #948

Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: August 1999
Program issue of *Notices*: December 1999
Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: January 6, 1999
For consideration of contributed papers in Special Sessions: June 16, 1999
For abstracts: August 11, 1999

Invited Addresses

Mikhail Kapranov, Northwestern University, *Title to be announced.*

John Roe, Oxford and Pennsylvania State University, *Title to be announced.*

Catherine Sulem, University of Toronto, *Title to be announced.*

Tatiana Toro, University of Washington, *Title to be announced.*

Special Sessions

Aperiodic Tiling (Code: AMS SS D1), **Charles Radin** and **Lorenzo Sadun**, University of Texas at Austin.

Banach and Operator Spaces: Isomorphic and Geometric Structure (Code: AMS SS E1), **Edward Odell** and **Haskell P. Rosenthal**, University of Texas at Austin.

DNA Topology (Code: AMS SS J1), **Isabel K. Darcy**, University of Texas at Austin, and **Makkuni Jayaram**, University of Texas at Austin.

Harmonic Analysis and PDEs (Code: AMS SS C1), **William Beckner** and **Luis A. Caffarelli**, University of Texas at Austin, **Toti Daskalopoulos**, University of California, Irvine, and **Tatiana Toro**, University of Washington.

Mathematical and Computational Finance (Code: AMS SS H1), **Stathis Tompaidis**, University of Texas at Austin.

Nonlinear Waves (Code: AMS SS G1), **Catherine Sulem**, University of Toronto.

Recent Developments in Index Theory (Code: AMS SS F1), **Daniel S. Freed**, University of Texas at Austin, and **John Roe**, Pennsylvania State University.

The Development of Topology in the Americas (Code: AMS SS A1), **Cameron Gordon**, University of Texas at Austin, and **Ioan Mackenzie James**, University of Oxford.

Wavelets and Approximation Theory (Code: AMS SS B1), **Don Hong**, Eastern Tennessee State University, and **Michael Prophet**, Murray State University.

Charlotte, North Carolina

University of North Carolina at Charlotte

October 15–17, 1999

Meeting #949

Southeastern Section
Associate secretary: Robert J. Daverman
Announcement issue of *Notices*: August 1999
Program issue of *Notices*: December 1999
Issue of *Abstracts*: Volume 20, Issue 4

Deadlines

For organizers: January 20, 1999
For consideration of contributed papers in Special Sessions: June 23, 1999
For abstracts: August 18, 1999

Invited Addresses

Valery Alexeev, University of Georgia, *Title to be announced.*

Béla Bollobás, University of Memphis and Cambridge University, *Title to be announced.*

Konstantin M. Mischaikow, Georgia Institute of Technology, *Title to be announced.*

Yakov Sinai, Princeton University, *Title to be announced.*

Special Sessions

Commutative Algebra (Code: AMS SS B1), **Sarah Glaz**, University of Connecticut, and **Evan G. Houston** and **Thomas G. Lucas**, University of North Carolina at Charlotte.

Knot Theory and Its Applications (Code: AMS SS A1), **Yuanan Diao**, University of North Carolina at Charlotte.

Optimal Control and Computational Optimization (Code: AMS SS D1), **Mohammed A. Kazemi**, University of North Carolina at Charlotte, and **Gamal N. Elnagar**, University of South Carolina, Spartanburg.

Spectral Theory of Differential Operators and Applications (Code: AMS SS C1), **Boris R. Vainberg** and **Stanislav Molchanov**, University of North Carolina at Charlotte.

Stochastic PDEs and Turbulence (Code: AMS SS E1), **Weinan E**, Courant Institute, New York University.

Washington, District of Columbia

Marriott Wardman Park Hotel and Omni Shoreham Hotel

January 19–22, 2000

Note: This is a World Math Year 2000 (WMY2000) event.

Meeting #950

Joint Mathematics Meetings, including the 106th Annual Meeting of the AMS, 83rd Meeting of the Mathematical Association of America (MAA), with minisymposia and other special events contributed by the Society for Industrial and Applied Mathematics (SIAM), and the annual meetings of the Association for Women in Mathematics (AWM) and the National Association of Mathematicians (NAM).
Associate secretary: Robert M. Fossum
Announcement issue of *Notices*: October 1999
Program issue of *Notices*: January 2000
Issue of *Abstracts*: Volume 21, Issue 1

Deadlines

For organizers: April 20, 1999
For consideration of contributed papers in Special Sessions: August 10, 1999
For abstracts: October 5, 1999
For summaries of papers to MAA organizers: To be announced

Lowell, Massachusetts

University of Massachusetts, Lowell

April 1–2, 2000

Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 1, 1999
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Invited Addresses

Walter Craig, Brown University, *Title to be announced.*

Erwin Lutwak, Polytechnic University, *Title to be announced.*

Alexander Nabutovsky, Courant Institute of Mathematical Sciences, NYU, *Title to be announced.*

Mary Beth Ruskai, University of Massachusetts, Lowell, *Title to be announced.*

Special Sessions

Invariance in Convex Geometry (Code: AMS SS A1), **Daniel A. Klain**, Georgia Institute of Technology, and **Elisabeth Werner**, Case Western Reserve University.

Notre Dame, Indiana

University of Notre Dame

April 7–9, 2000

Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 7, 1999
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Lafayette, Louisiana

University of Southwestern Louisiana

April 14–16, 2000

Southeastern Section
Associate secretary: Robert J. Daverman
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 14, 1999
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Odense, Denmark

Odense University

June 12–15, 2000

First AMS-Scandinavian International Mathematics Meeting. Sponsored by the AMS, Dansk Matematisk Forening, Suomen matemaattinen yhdistys, Icelandic Mathematical Society,

Norsk Matematisk Forening, and Svenska matematikersamfundet.
Associate secretary: Robert M. Fossum
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: To be announced
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Los Angeles, California

University of California, Los Angeles

August 7–12, 2000

Note: This is a World Math Year 2000 (WMY2000) event.

Associate secretary: Robert M. Fossum
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: To be announced
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Toronto, Ontario, Canada

University of Toronto

September 22–24, 2000

Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: To be announced
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

New York, New York

Columbia University

November 3–5, 2000

Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: February 3, 2000
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Invited Addresses

Paula Cohen, Université des Sciences et Technologies de Lille, France, *Title to be announced.*

New Orleans, Louisiana

New Orleans Marriott and ITT Sheraton New Orleans Hotel

January 10–13, 2001

Joint Mathematics Meetings, including the 107th Annual Meeting of the AMS, 84th 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).
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 11, 2000
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced
For summaries of papers to MAA organizers: To be announced

Columbia, South Carolina

University of South Carolina

March 16–18, 2001

Southeastern Section
Associate secretary: Robert J. Daverman
Announcement issue of *Notices*: To be announced

Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: June 15, 2000
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Lawrence, Kansas

University of Kansas

March 30–31, 2001

Central Section
Associate secretary: Susan J. Friedlander
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: June 28, 2000
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Hoboken, New Jersey

Stevens Institute of Technology

April 28–29, 2001

Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: July 28, 2000
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

Williamstown, Massachusetts

Williams College

October 13–14, 2001

Eastern Section
Associate secretary: Lesley M. Sibner
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: January 11, 2001
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced

San Diego, California

San Diego Convention Center

January 6–9, 2002

Joint Mathematics Meetings, including the 108th Annual Meeting of the AMS and 85th Meeting of the Mathematical Association of America (MAA).
Associate secretary: Robert J. Daverman
Announcement issue of *Notices*: To be announced
Program issue of *Notices*: To be announced
Issue of *Abstracts*: To be announced

Deadlines

For organizers: April 4, 2001
For consideration of contributed papers in Special Sessions: To be announced
For abstracts: To be announced
For summaries of papers to MAA organizers: To be announced