

**MATHEMATICAL ASSOCIATION OF AMERICA  
NEW JERSEY SECTION - SPRING MEETING  
IN CONJUNCTION WITH THE FIRST  
GARDEN STATE UNDERGRADUATE MATHEMATICS CONFERENCE  
SATURDAY, MARCH 27, 2004  
RUTGERS UNIVERSITY, SERC  
(Science and Engineering Resource Center)**

**John H. Conway, Princeton University  
The Mysterious Arithmetic of Lexicographic Codes**

**Mercedes McGowen, William Rainey Harper College  
Designing the Pre-service Teacher Curriculum to Better Meet  
the Needs of Our Future Teachers**

**Fred S. Roberts, Rutgers & DIMACS  
Role Assignments in Social Networks**

**Contributed paper sessions:**

**History of Mathematics, Popular and Recreational Mathematics,  
SIGMAA Session on Statistics Education, Technology in the Mathematics  
Classroom, General Contributed Papers**

Registration and Coffee at 8:30 a.m., SERC; first talk at 9:30 a.m.

**Lunch Discussion Tables:**

- How can mathematical scientists contribute to homeland security? led by Fred Roberts, DIMACS  
How does the *teaching* of mathematics differ from *doing* mathematics? led by Mercedes McGowen, William  
Rainey Harper College  
How much calculus should we be teaching in a calculus-based probability course? led by Chris Lacke,  
Rowan University  
POMSIGMAA: What is Mathematics? led by Bonnie Gold, Monmouth University  
Popular and Recreational Mathematics, led by Mike Jones, Montclair State University  
Statistical Demonstrations, High-tech and Low, led by Mark Bailey, SAS  
Using Technology in the Undergraduate Classroom, led by Karen Clark and Tom Hagedorn, TCNJ  
What's happening in BIG SIGMAA? Report from the Joint Math Meetings, led by Greg Coxson  
(title to be announced) led by Larry D'Antonio, Ramapo College

Publishers' Exhibits, Silent Auction, Door Prizes

ALL STUDENTS, FACULTY, AND FRIENDS OF MATHEMATICS ARE WELCOME.  
MAA membership is **not** required.

**Pre-registration Deadline: THURSDAY, MARCH 18, 2004**

Check for UPDATES at <http://www.maa.org/newjersey>.



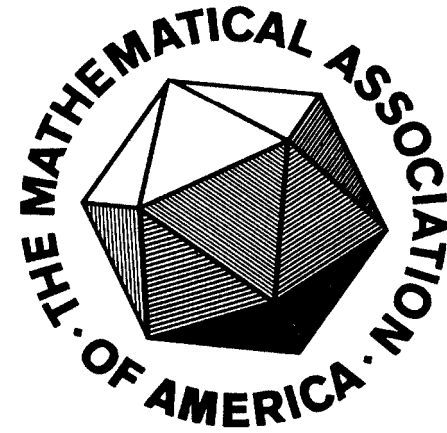
**All talks will be held in SERC (Building 50 above); park in lot 64, 60A, 60B, or 53A.**

Directions and map can be found on the web at: <http://maps.rutgers.edu/directions/nb.aspx>

**Registration and Coffee at 8:30 a.m.; first talk at 9:30 a.m.**

<p style="text-align: center;"><b>Directions to Rutgers University, Busch Campus</b></p> <p><b>1. From New Jersey Turnpike (North or South)</b> Turn off at Exit 9. After toll booths bear to the right; follow signs for “Route 18 North – New Brunswick.” Continue along Route 18 North past the exits for “Route 27” and “Rutgers University” and proceed over the Raritan River on the John Lynch Memorial Bridge. (Approx. 3.7 miles) On the other side of river proceed straight at the traffic light onto Metlars Lane. Before the first traffic light, make a left onto Brett Road. Cross Bartholomew Road to get to lots 64, 60a, or 60B.</p> <p><b>2. From the Garden State Parkway</b> <b>Northbound:</b> Take Exit 105 to Route 18 North. After approximately 24 miles you will pass the entrance for the New Jersey Turnpike; continue on Route 18 North and follow directions from # 1, above. <b>Southbound:</b> Turn off at Exit 129 for the New Jersey Turnpike and head south. Follow directions to campus from New Jersey Turnpike, above.</p>	<p><b>3. From Route 1, North or South</b> Turn off at exit marked “Route 18 North-New Brunswick.” Follow directions from Route 18 North from #1 above.</p> <p><b>4. By Train</b> New Jersey Transit's Northeast Corridor Line provides New Brunswick with both local and express service between New York and Newark's Penn Stations and Trenton New Jersey. (For Information 973-762-5100). The New Brunswick Train Station is located at the corner of Albany Street and Easton Avenue across from the Rutgers Bookstore. Cab service is available from the train station. Or, proceed up Easton Avenue (short hill) and turn right on Somerset Street. Proceed for half a block and turn left onto College Avenue. Proceed down College Avenue for four blocks to the Rutgers Student Center. Information and directions for reaching the Busch campus (where SERC is located) can be obtained at either the Rutgers Student Center's Information Desk or the Campus Bus Depot.</p>
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**Mathematical Association of America  
New Jersey Section**



**Spring Meeting  
Rutgers University  
New Brunswick, NJ**

**Saturday, March 27, 2004**

Return to:  
MAA-NJ Registration  
Department of Mathematics. Attn: D. Apadula  
Rutgers University  
110 Frelinghuysen Rd  
Piscataway, NJ 08854-8019

Preregistration:  
Due by March 18, 2004

Mathematical Association of America  
New Jersey Section  
Spring 2004 Meeting Announcement

**The first ever Garden State Undergraduate Mathematics Conference will take place concurrent with this meeting. John H. Conway will address both groups. In addition, the GSUMC will feature the New Jersey Undergraduate Mathematics Competition, as well as student contributed papers and a student poster session.**

As in recent years, the full program will not be mailed out to members. It will be available at the meeting. This mailing contains essential information about the spring meeting including a flyer advertising the meeting, some announcements of upcoming events, directions to the meeting, a campus map, and a pre-registration form. Please duplicate, post, and circulate the flyer.

**REMINDER: Fall 2004 MAA-NJ Meeting, November 13, The College of New Jersey.** Speakers: Frank Farris (Santa Clara University), David Holmes (The College of New Jersey) and Joseph O'Rourke (Smith College); two workshops (one by Joseph O'Rourke, the other to be announced) and elections for officers of the section.

Anyone interested in leading a lunch discussion table at next fall's meeting, please contact Theresa C. Michnowicz, New Jersey City University, [tmichnowicz@njcu.edu](mailto:tmichnowicz@njcu.edu)

**Organizing Committee** Mark S. Korlie, Montclair State University, Hieu Nguyen, Rowan University, Theresa C. Michnowicz, New Jersey City University

**Program Committee** Carol Avelsgaard, Middlesex County College, Karen Clark, The College of New Jersey, Larry D'Antonio, Ramapo College, Bonnie Gold, Monmouth University, Michael A. Jones, Montclair State University, Cathy Liebars, The College of New Jersey, Reginald Luke, Middlesex County College, Hieu Nguyen, Rowan University

**Hosting Committee** Amy Cohen, Richard Bumby, Diane Apadula, Rutgers University

**Acknowledgements** The MAA-NJ thanks the faculty and staff at Rutgers University.

**2004 SPRING MEETING PREREGISTRATION FORM**

Please photocopy and distribute this form. Complete form and mail it with a **check payable to MAA-NJ before March 15, 2004** (must be received by March 18) to:

MAA-NJ Registration                      [dapadula@math.rutgers.edu](mailto:dapadula@math.rutgers.edu)  
Department of Mathematics. Attn: D. Apadula  
Rutgers University  
110 Frelinghuysen Rd                      732-445-2390  
Piscataway, NJ 08854-8019

Or register online at <http://www.maa.org/newjersey>

Name: \_\_\_\_\_

Preferred Mailing Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: (H) \_\_\_\_\_ (W) \_\_\_\_\_

Email: \_\_\_\_\_

Affiliation and City: \_\_\_\_\_

If not student, please indicate where you work: \_\_ 2-year college; \_\_ 4-year college; \_\_ graduate program; \_\_ industry; \_\_ government; \_\_ other

I will attend the meeting:

\_\_\_ I am a student (no registration fee): \_\_ undergraduate \_\_ graduate student

\_\_\_ I am an MAA member and am enclosing a registration fee of \$12.  
(The registration fee is \$15 at the door).

\_\_\_ I am not an MAA member and am enclosing a registration fee of \$15.  
(The registration fee is \$18 at the door).

I will attend the luncheon:

\_\_\_ I am enclosing the luncheon fee of \$12. (non-student)

\_\_\_ I am enclosing the luncheon fee of \$6. (student)

\_\_\_ I request a vegetarian meal.

Luncheon discussion table signups at meeting registration table or via on-line registration (Seating is limited).

\_\_\_\_\_ I need handicapped parking

\_\_\_\_\_ I would like to attend the dinner honoring the speakers after the meeting.

\_\_\_ My college/company is interested in hosting a future MAA-NJ meeting: on a Sunday \_\_\_\_\_ on a Saturday \_\_\_\_\_.

\_\_\_\_\_ I am interested in becoming a committee member or officer of MAA-NJ.