



IEEE ROCHESTER SECTION NEWS FOR DECEMBER 2007

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Rochester Section Meeting Tuesday, December 4, 2007

The next Rochester Section business meeting is on Tuesday, December 4, 2007 at Noon, at the Shanghai Restaurant, 2920 West Henrietta Road, just south of the intersection with Brighton-Henrietta Town Line Road.

The elections for Section officers for 2008 will take place at this meeting. No petitions having been received for candidates, the slate of candidates nominated by the Nominations Committee, and printed in the October issue of the Rochester Engineer, will stand for election by voice vote. These candidates are:

Chair: Jayanti Venkataraman

Vice-Chair: Paul Lee

Secretary: Francesca Polo

Treasurer: Alexander Loui

Awards Chair: Jean Kendrick

Any IEEE member is welcome to attend and to participate, or just to observe. Lunch is only \$3 for IEEE members. No reservations or RSVP is needed, just show up.

IEEE Geoscience and Remote Sensing Society Chapter Meeting

Topic: Imaging sub-centimeter ground deformation from space: Earthquakes, volcanoes, groundwater, glaciers, and some mysteries of New York State

Speaker: Matt Pritchard, Earth and Atmospheric Sciences, Cornell University

Date: Friday, December 7, 2007

Time: 4:00 PM

Location: McManus Lounge, Hollister Hall, Cornell University, Ithaca, NY

Abstract: We use satellite-based Interferometric Synthetic Aperture Radar (InSAR) to create images of surface deformation with sub-centimeter accuracy spanning nearly 1 million square kilometers of South America with a pixel spacing of order ten meters. The

talk will focus on how these observations, combined with other geophysical data, provide insights into the earthquake cycle (including evidence of a "silent" earthquake), and reveal magma movements at several supposedly dormant volcanoes. We will also touch upon the insights from these observations into other processes such as groundwater movements, glacial flow, and anthropogenic deformation. Finally, we will show the first interferograms (that we know of) from the Northeastern U.S., including central and western New York State.

Speaker Biography: Matt Pritchard's current research is focused on three main areas: 1) the subduction zone earthquake cycle; 2) magma transport; and 3) planetary geophysics. Future work includes monitoring changes in non-polar glaciers. During 2004 he was a Harry Hess postdoctoral fellow at Princeton University. In 2003, he received a Ph.D. in geophysics with a minor in planetary science from the California Institute of Technology. His B.A. degree is in physics from the University of Chicago.

More information is available at the Western New York Chapter IEEE GRSS Website: <http://ewh.ieee.org/r1/new_york/grss/>.

Free Newsletters from IEEE

The IEEE has several excellent email newsletters that you can subscribe to just for the asking. I find the IEEE Career Alert newsletter particularly interesting, and think it will be of value to most early and mid-career engineers. I wish it had been around when I was a young engineer. A recent issue featured these articles: 1. How to Respond to Offbeat Interview Questions, 2. Hear the Headhunter Out, 3. Keeping Your Head Up During a Job Search, and 4. The Changing IT Job Market. Do they sound interesting? If they do, go to <<http://www.spectrum.ieee.org/industryfocus>> to subscribe.

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Congratulations to our latest Senior Member

Congratulations to Francesca Polo, who was upgraded to Senior Member at the October meeting of the IEEE Awards & Advancement Committee. Francesca is in the Xerox Corporation Research Division, and is also an Adjunct Professor at Rochester Institute of Technology. She is a past-chair and co-founder of the Rochester Chapter of the IEEE Microwave Theory and Techniques Society, a past-chair of the E3 Fair, and served as chair for Region 1 on the IEEE Pre-college Education Committee. Francesca has been nominated to serve as Secretary of the Rochester Section Executive Committee in 2008.



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CCECE 2008

21st Annual Canadian Conference on Electrical and Computer Engineering

May 4-7 2008, Niagara Falls, Ontario, Canada

<http://www.ccece08.org>

“The Wonders of Technology”

Preliminary Call for Papers and Proposals

The 2008 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE 2008) will be held in Niagara Falls, Ontario, Canada from May 4-7. CCECE 2008 provides a forum for the presentation of electrical and computer engineering research and development from Canada and around the world. There will be eight mini symposia and papers are invited, in French or English, including but not limited to the following topics.

- Biomedical Engineering
Chair: Karthi Umapathy, UHN-Toronto
- Circuits, Devices and Systems
Chair: Stefano Gregori, U. Guelph
- Control and Robotics
Chair: K. Hashtrudi-Zaad, Queens Univ.
- Emerging Areas
Chair: Shahram Shahbazpanahi, UOIT
- Communications and Networking
Chair: Murat Uysal, U. Waterloo
- Computer Systems and Appl's
Chair: Eddie Law, Ryerson Univ.
- Power Electronics and Systems
Chair: Bin Wu, Ryerson Univ.
- Signal and Multimedia Processing
Chair: Vijay Parsa, U. W. O.

Regular Paper Submission

Please submit full length paper(s) to the Technical Program Committee using the on-line submission process on our web site at <http://www.ccece08.org> before December 7, 2007. Click on “Call For Papers” and follow the instructions provided.

Tutorial and Workshop Proposals Submission

Proposals for half-day tutorials and workshops should be submitted before December 7, 2007 to the Tutorials Chair at “xavier@ieee.org”.

Important Dates

Full length paper must be received by:	Friday, December 7, 2007
Special Session proposals must be received by:	Friday, December 7, 2007
Notification of acceptance will be sent out by:	Friday, January 18, 2008
Author's Registration ends by:	Friday, March 7, 2008
Advance Registration ends by:	Friday, April 4, 2008

Industrial Exhibits and Sponsorships

For industrial exhibits please contact the Industrial Exhibits Chair at “a.kormos@ieee.org”.

For sponsorships please contact the Sponsorship Chair at “janbee@ieee.org”.

Questions or Comments

For any questions or comments, please contact the Conference Secretariat: Ms. Cathie Lowell, CCECE 2008, IEEE Canada, PO Box 63005, University Postal Outlet, 102 Plaza Drive, Dundas, ON, L9H 4H0. Ph/Fax: (905) 628 – 9554 Email: admin@ieee.ca

Globalization and Trade Expert Ralph Gomory to Speak at RIT Dec. 7
Gomory's talk based on his book, 'Global Trade and Conflicting National Interest'

Ralph Gomory, president of the Alfred P. Sloan Foundation, will give the Science, Technology and Society/Public Policy Lecture 2:30-4 p.m. Friday Dec. 7, in Rochester Institute of Technology's Golisano College Auditorium. A reception will follow.

Gomory's talk, which will discuss globalization and trade policy, will be based on his book, *Global Trade and Conflicting National Interest*, which he co-authored with Princeton University Economist William Baumol. Their book contradicts the conventional wisdom that increased trade is automatically beneficial for countries, and describes how the public discussions of free trade and globalization have been conflated.

Gomory, one of the country's foremost technology leaders, has been president of the Alfred P. Sloan Foundation since 1989 and previously served as IBM's research director. Under his leadership, IBM's research division invented the Relational database, a significant contribution to the computer industry, and won two Nobel Prizes.

WHAT: "Global Trade and Conflicting National Interest"—a free lecture by Ralph Gomory, author and president of the Alfred P. Sloan Foundation

WHEN: 2:30-4:00 PM on Friday, Dec. 7

WHERE: Golisano College Auditorium, B. Thomas Golisano College of Computing and Information Sciences (Building 70), Rochester Institute of Technology

SPONSOR: Science, Technology and Society/Public Policy Department, College of Liberal Arts, Rochester Institute of Technology