



IEEE NEWS FOR OCTOBER 2011

Jacob Z. Schanker, P.E., Newsletter Chair
Rochester IEEE home page at: <http://rochester.r1.ieee.org>

Rochester Section Meeting – Tuesday, October 4, 2011 at 12 Noon

The next Rochester Section business meeting is on Tuesday, October 4, 2011 at 12:00pm, at the Shanghai Restaurant, 2920 West Henrietta Road, just south of the intersection with Brighton-Henrietta Town Line Road.

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

Section Leadership Responds to the 2011 Member Survey

The September 2011 IEEE Rochester Section Newsletter included the results of a member survey. This has resulted in quite a bit of discussion and reflection on how your Section Excom can better serve your needs. As your Chair and Vice-Chair we want to share our thoughts and some planned actions as a result of this survey.

Bill and I want to first off thank John Kerekes for conceiving and executing this survey. We also want to thank the many members who took the time to respond to the survey. The information contained in this report will be very useful to the Excom in planning for the future. We will probably do more such surveys in the future and I encourage more members to respond so that we get even better quality results. An 11% response rate is not as high as we had hoped; although it is a large enough sample to do some analysis on your feedback.

Not surprisingly the results showed a somewhat disproportionately higher percentage of active volunteers, with the survey response being about 20%. Twenty percent of our total membership in the Rochester Section would represent over 200 active volunteers (we could only

hope for that much activity). But it is also interesting to see that about half the responders are not active, it is important that we capture your voice too because the Excom is here to serve all the members, not just the active few.

The Rochester Section is pretty unique in the IEEE in that we still have a monthly print outlet for reaching our members with news and events. This is made possible by the leadership and traditions of the Rochester Engineering Society. But it is also important to have many modalities for reaching our membership, e-mail blasts being the next most prevalent after the *Rochester Engineer*. The RES is struggling with the cost of maintaining the *Rochester Engineer* and we recognize that the day may come when we all agree to go to electronic communications only. But until then, we see substantial value in having a print magazine that reaches our membership and highlights all the wonderful science and technology available in the region.

Having said that, recognizing the expense involved relative to their dues, the Excom decided a couple of years ago to discontinue sending the print edition to the student members. This also substantially reduced the effort need to keep addresses current with that relatively mobile population. We could have done the same with the graduate student members, but we believe that if you read the survey comments carefully, you will see some substantial support for encouraging our Graduate Student Members who are soon going to progress to regular Member status.

The Section website is an important tool for communications and also keeping a record of our leadership and activities. We are always open to new ideas for improving the web site and encourage any of our members to contribute their ideas or get directly involved by contributing content to the website. Lately the IEEE, through its vTools initiative is providing substantial support for Section websites, as well as other tools such as on-line registration for meetings.

Our monthly meetings (Noon, first Tuesday of each month at the Shanghai restaurant in Henrietta) are open affairs. We encourage members of any grade, active or inactive to join us for an inexpensive meal and to learn what is going on. In that spirit we are now posting minute notes on-line. The survey shows some concern about this level of openness, but we believe the benefits outweigh any risks.

The ratings for the Section activities were remarkably even. We take that as a positive sign that the members support what we are doing,

but there were some great ideas for new activities, such as the Job Board. As always, we must acknowledge that such ideas are not going to be implemented without the active support of volunteers, so if you want to see a Job Board, or Red Wings night or Facebook page or networking event, please consider contacting us and volunteering. We have about 20-30 members each month at the Excom meetings, we would love to see that number double or treble in the coming months.

Sincerely,
Alex Loui, Chair IEEE Rochester Section
Bill Fowlkes, Vice-chair IEEE Rochester Section

Congratulations to our latest Senior Member

Edgar Bernal, who is a member of the Signal Processing Society, was elevated to Senior Member at the August meeting of the Admission & Advancement review panel in Calgary, Alberta.

IEEE Technology Management Council TMC

Rochester Section TMC and PACE are co-sponsoring an immigration reform lecture series at RIT organized by Professor Ron Hira, Associate Professor of Public Policy at RIT and an expert on the effects of offshore outsourcing, and two colleagues, Andrea Hickerson (Communications/Journalism) and Christine Kray (Chair of Sociology). The first event will be on October 4. Immigration policy is of significance to high-tech industry, and it affects IEEE members both domestically and abroad in a very direct way.

Date: Tuesday, October 4, 2011

Time: 5:00 pm

Location: RIT, Golisano Hall (Building 70), signs will direct you to the room. Lot J is the closest parking.

Speaker: Ray Marshall, former Secretary of Labor and professor emeritus of the LBJ School of Public Policy, Univ. of Texas.

Electron Devices / Circuits & Systems Societies - Call for Papers

The Thirty-Fifth Annual EDS/CAS Activities in Western New York Conference will be held on Wednesday, November 16, 2011 at the Louise Slaughter Building on the RIT campus (CIMS, Bldg. 78) in conference rooms 2210-2240.

The focus of this conference is to bring engineers and researchers together to share information on a wide variety of topics related to microelectronic devices and systems, allowing one to become acquainted with others of similar interest in nearby locations. This year the conference will be held at RIT in the CIMS facility on the west side of the campus Please visit <http://facilities.rit.edu/campus/maps/>.

The conference registration will be at 10:30am, and the first invited presentation will follow opening remarks at 11am. A luncheon will be served to those that attend the 11am presentation and pre-register on our website.

To register, please visit <http://www.rit.edu/kgcoe/ue/eds.php>.

Following the lunch the talks will resume at 1pm. There will be an afternoon coffee break, and a poster session reception, will begin at 5pm immediately following the "Flash Nano" talks by the poster presenters.

The invited speakers are still to be confirmed. Tentative topics are emerging microelectronic devices and semiconductor manufacturing in New York State. *Please see the conference website for updates.*

Call for Abstracts: Abstracts are being solicited for contributed talks and poster presentations, especially those which promote research and development activity in Western New York consisting of the greater Buffalo, Rochester, Ithaca and Syracuse areas. Abstracts must be received by October 31, 2011. Submission can be done electronically via email to kdhemc@rit.edu using Microsoft Word or PDF formats.

Computer and Computational Intelligence Joint Chapter Meeting

Dr. Richard Zanibbi will talk about Computational Intelligence at a meeting of the IEEE Rochester Section Computer and Computational Intelligence Joint Societies Chapter on Thursday, November 10. The meeting will be held in Room 2400 of Golisano Hall at RIT with pizza at 6:30 pm and the talk beginning at 7 pm. This will be the first meeting of the joint chapter since the Computer Society and Computational Intelligence chapters became a joint chapter.

Dr. Zanibbi is an Assistant Professor in the Department of Computer Science, and is cross-appointed to the RIT Center for Imaging Science graduate program. Dr. Zanibbi's research interests include theories and tools used to construct pattern recognition systems, document recognition and retrieval (particularly for mathematical notation), and CAPTCHAs (tests for distinguishing people from machines online).

There will be a voluntary donation for the refreshments for non-IEEE members.

RIT Hosts 2011 Freescale Semiconductor Rochester Technology Symposium

Advanced microprocessors and embedded systems being developed for products as varied as e-readers, automobiles and electrical smart grids will be featured the annual event will take place Nov. 3 at Rochester Institute of Technology's Center for Integrated Manufacturing Studies in Louise M. Slaughter Hall.

Participants can register online for the free symposium at www.freescale.com/FRTS.

Opening the symposium at 8:45 a.m. will be Ken Obuszewski, director of multimedia marketing for Freescale. He will give the keynote address about high-tech microcontroller devices and embedded systems. He is a 20-year semiconductor industry veteran who has held multiple leadership roles in operations and marketing at both Motorola and Freescale, and he brings varied international experience in both the consumer and automotive markets. He holds a bachelor's degree in microelectronic engineering from RIT.

The annual symposium, part of the company's [Designing with Freescale](#) professional training programs, is open to design engineers, engineering professors and students, third-party tools partners and executive managers. It is a one-day, multi-track seminar on Freescale technologies and system designs. Participants attend laboratory demonstrations and presentations highlighting development tools, reference designs, customer products, student applications and projects. A product trade show takes place throughout the day.

"RIT is honored to host the annual Freescale Rochester Technology Symposium," said Ken Hsu, professor of computer engineering and director of the Freescale Embedded Systems Lab at RIT and former IEEE Rochester Section Chair. "We are very grateful that Freescale generously donates the funds and equipment in support of this modern lab for our education programs and research initiatives."

This is the sixth year of the symposium. More than 250 participants from businesses and universities in the Northeast are expected to attend. Students from RIT's computer engineering program will have some of their research projects on display, including the E-Health Intelligence System, the 2011 winner of the Freescale Technology Forum "Make It Challenge" competition in June.

Based on my own experience attending this symposium, it is a very worthwhile event. You will leave with lots of new information and ideas and with some really neat "goodies" as well.

IEEE at the New York State Fair



IEEE members Michael Hayes, Syracuse Chapter, Farhan Qazi, Utica Chapter, and Bruce Nelson, Rochester Chapter demonstrate various applications of Engineering to visitors at the New York State Fair.

2011 Western New York Image Processing Workshop

November 14, 2011

Rochester Institute of Technology, CIMS Building

<http://ewh.ieee.org/r1/rochester/sp/WNY11.htm>

Organizing Committee:

Andrew Gallagher
Eastman Kodak Company

Beilei Xu
Xerox Corporation

David Odgers
Xerox Corporation

Dhiraj Joshi
Eastman Kodak Company

Edgar Bernal
Xerox Corporation

Michel Molaire
Eastman Kodak Company

Minwoo Park
Eastman Kodak Company

Nathan Cahill
Rochester Institute of
Technology

Paul Lee
ITT Corporation

The Western New York Image Processing Workshop (WNYIPW) is a venue for promoting image processing research in our area and for facilitating interaction between academic researchers, industry researchers, and students.

Topics include, but are not limited to:

Image and Video Compression	Image Rendering
Image and Video Forensics	Printing Applications
Image and Video Processing	Image Retrieval
Image Formation	Computer Vision
Image and Color Science	Remote Sensing
Medical Imaging and Analysis	Archival Imaging

Imaging applications including consumer devices, security, surveillance, document imaging, art restoration and analysis, and astronomy.

Paper Submission: Prospective authors are invited to submit their paper at <https://cmt2.research.microsoft.com/WNYIPW2011>. To encourage student participation, a best student paper award will be given.

Submission of paper (4 pages):	October 8, 2011
Notification of Acceptance:	October 22, 2011
Submission of final paper (4 pages):	November 2, 2011

Fees are kept to a minimum and are primarily intended to cover the costs associated with holding the workshop. Tentatively,

General Registration:	\$45
Student Registration:	\$25
IEEE or IS&T Membership:	\$25
IEEE or IS&T Student Membership:	\$15

The workshop, now in its 14th year, is jointly sponsored by the Rochester chapter of the IEEE Signal Processing Society and the Rochester chapter of the Society for Imaging Science and Technology. The workshop is supported by the IEEE SPS, IS&T, the Center for Electronic Imaging and Systems, and Xerox.



Society for Imaging
Science and Technology

xerox



 **Leuze electronic**

the **sensor** people



IEEE
Signal Processing Society





MEETING ANNOUNCEMENT & CALL FOR ABSTRACTS

*35th Annual EDS/CAS
Activities in Western New York Conference
Wednesday, November 16, 2011*

*Louise Slaughter Building on the RIT campus
(CIMS, Bldg. 78, Conference Rooms 2210-2240)
Rochester Institute of Technology
Rochester, NY*

The focus of this conference is to bring engineers and researchers together to share information on a wide variety of topics related to microelectronic devices and systems, allowing one to become acquainted with others of similar interest in nearby locations. This year the conference will be held at RIT in the CIMS facility on the west side of the campus (please visit <http://facilities.rit.edu/campus/maps/>).

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Invited Speakers:

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See the website listed below for the conference registration, invited talk details and the latest agenda updates!

EDS Conference Chair: Dr. Karl D. Hirschman
Electrical and Microelectronic Engineering Department
Rochester Institute of Technology
Ph. 585-475-5130
Visit our EDS website at: <http://www.rit.edu/kgcoe/ue/eds.php>