



**ROCHESTER SECTION NEWS
SEPTEMBER 2013**

Jacob Z. Schanker, P.E., Newsletter Chair
The Rochester section web site is at: <http://rochester.ieee.org/>

Rochester Section Meeting – Tuesday, September 3, 2013 at Noon

The next Rochester Section business meeting is on Tuesday, September 3, 2013 at 12:00pm, at the **Hibachi Sushi Buffet Restaurant** in South Town Plaza on Jefferson Road (Route 252) just west of West Henrietta Rd. (Route 15). Any IEEE member is invited to attend. Lunch is only \$3 for IEEE members. No reservation or RSVP is needed, just show up.

IEEE Rochester Section Centennial Logo Competition

The IEEE Rochester Section Centennial Committee announces a logo competition to kick off the Section's 2014 Centennial Year celebration.

Submissions for a logo are invited from all members of the Section, including student members and affiliates. Submissions will close on September 6, 2013.

All members of the Rochester Section will vote for the winning design among entries selected by a panel of judges to be recruited from the volunteer leaders. Voting will be done on-line.

The winner and runners up will be announced at the Section Executive Committee Meeting on October 8, 2013. Prizes will be presented to the winner(s) at the Section's annual Awards Night during the month of December 2013. Submitter(s) will also be recognized.

Logo Competition Rules

All logo submissions are to bring attention to both the IEEE and Rochester. No tag line should be directly included in the graphic logo.

The submitted logo may be designed by anyone, but must be submitted by a member of the IEEE Rochester Section, including student members and affiliates. Team entries are welcome but please limit the team to three persons. The number of submission from each member is limited to three.

1. Logo submissions may utilize the IEEE logo (Master Brand), but must adhere to the rules related to appropriate use of the Master Brand. For guidelines regarding appropriate use of the IEEE Master Brand please visit:

<http://www.ieee.org/about/toolkit/masterbrand/index.html>

2. Logo submissions may not contain copyrighted or proprietary images other than the IEEE logo.

3. Submitter and design of any candidate logo must agree to give ownership and usage rights of the logo design to IEEE and IEEE Rochester Section. Please submit your logo in an acceptable common electronic format (.png, .jpg , .tif, .pdf, .eps, etc.). Scanned hand drawn entries are also acceptable. The submission form is available here: <http://rochester.ieee.org/centennial>

Election procedure for Section officers 2014

The Rochester Section is now following a different procedure and timetable for officer elections. The procedure twice provides an opportunity for the membership to nominate officer candidates. The first opportunity, submitting a name to the nominations committee, which was previously announced, ends on August 26. The second opportunity, by a petition signed by at least 20 section members, ends on September 18.

The voting for officers will be done electronically (on the web) in accordance with IEEE guidelines.

The full timetable is shown below. If there are any questions about procedures, contact one of your section officers.

Timeline for Rochester Section Election	
First call for nominations by Chair	6/28/2013
2nd call for nominations	7/15/2013
First nominations Excom meeting	7/23/2013
Open nominations end	8/26/2013
Slate of candidates approval by ExCom	9/3/2013
Petition candidate signature drive start	9/4/2013
Petition candidate close	9/18/2013
Petition candidates certified add to ballot	10/2/2013
Announcement of election to members	10/9/2013
Electronic Voting starts (via vTools)	10/16/2013
Electronic Voting ends	10/31/2013
Announcement of election results to ExCom	11/5/2013
Announcement election results to members	11/8/2013

IEEE Life Member Affinity Group – AWA Museum Tour

The Rochester Section of the IEEE is planning activities for a centennial celebration in 2014. Interest was expressed at our June planning meeting for museums exhibits and tours so the IEEE Life Members Affinity Group will be visiting two local museums this fall.

The group will first tour the new Antique Wireless Museum and Research Center in Bloomfield, New York Tuesday, September 10th, at 10 a.m. The museum moved to a new location this past summer and the new address is 6925 Routes 5 & 20 in Bloomfield. The Antique Wireless Association was founded in 1952 and now has 2,100 worldwide members. The former location of the museum became too small for this rare collection of exhibits and artifacts. Additional information on the museum and driving instructions are available at <http://www.antiquewirelessmuseum.com>.

Guests are welcome but they will have to pay the \$7 admission fee to the museum. IEEE Life Members will have the admission fee paid by IEEE. Please let me know if you and any guests will be touring on September 10th by sending an email to Carol.Richardson@rit.edu by September 6, 2013 as the museum wants to provide guides for the tour.

The IEEE newsletter in the October Rochester Engineer will have information on our October meeting at the Rochester Museum and Science Center where we will meet with volunteers who are building exhibits for this museum.

Electromagnetic Compatibility - Product Safety Engineering Joint Chapter

The first fall meeting is planned for September 24.

Title: Design Rescues - Real-life Signal Integrity and EMC Failures and their Mitigation

Speaker: Jim Herrmann, Managing Partner/Principal Engineer at AppliedLogix, LLC.

Date: Tuesday, September 24, 2013.

Time: 6:00pm Networking & Refreshments; 6:30pm Presentation.

Location: Rochester Institute of Technology. Building and room to be announced.

Abstract: This presentation will review three salient examples of new product development projects that were derailed due to board level signal integrity and/or EMC issues. We'll discuss the design details, identify the root causes and key electromagnetic principles involved, and describe the design techniques that were deployed to successfully mitigate the problems.

Speaker Biography: Mr. James Herrmann is a Principal Engineer and Managing Partner at AppliedLogix, LLC, a Rochester based electronics and software design services firm.

He has 20+ years of hands-on industry experience designing and commercializing embedded electronics subsystems. He has developed, and continues to refine, a rigorous yet lean PWBA design methodology. This quantitative approach has consistently delivered first-pass success as characterized by reliable operation and robust EMC characteristics. Product applications have ranged across a broad spectrum, from very high performance digital signal processing boards to hand-held, low power, wireless devices.

Mr. Herrmann began his engineering career at Eastman Kodak, where he worked for 14 years as a design engineer and team leader. He then moved to Xerox, where he spent three years as a hardware design manager within their wide-format printer division. Mr. Herrmann was a co-founder and VP of Engineering at Allworx, a successful and growing Rochester area high-tech company. During his eight year tenure there, Mr. Herrmann led the consulting engineering group and provided digital system design engineering expertise to numerous OEM customers.

Mr. Herrmann received his BSEE degree from the State University of New York at Buffalo (1981), and his MSEE degree from the University of Rochester (1991).

2014 EMC/PSE Joint Chapter Officer Election

The EMC/PSE Joint Chapter will hold elections for 2014 officers at the November 2013 meeting. EMC-PSE Chair J. Shipkowski notes that per IEEE rules, he is ineligible to serve as Chair in 2014. Nominations are open for all offices: Chair, Vice-Chair, and Secretary. Nominations close October 1 to allow publicity prior to the election. Please send nominations (you may nominate yourself) to james.shipkowski@ieee.org. Nominees must be a member of either (or both) the EMC or PSE societies. Nominations must be accompanied by a statement from the nominee that they are willing to serve.

IEEE Photonics Society Chapter

Thanks go to the IEEE Photonics Society members who have lent their support to restart the Rochester Chapter. On June 14th they conducted a teleconference to name new officers. Jim Ziobro and Chris Cassidy were appointed the new officers. Watch for an updated web presence soon from rochester.ieee.org. Contact the officers to voice your opinion or offer support.

Clusters of members are scattered on the corners of the Rochester Section. This makes organizing meeting a challenge. The Chapter plans to present day long workshops to make more efficient use of travel time for all involved. The Chapter is also reaching out to nearby Sections to engage those otherwise disconnected members.

IEEE-USA Free E-book for September

“The Best of Today’s Engineer: On Career Survival – Volume 2” is a collection of articles that is valuable regardless of whether you’re looking for a job, wondering if you are valued as much as you should be in your organization, or pondering the future of engineering as a vehicle for innovation and productivity.

Successful career management doesn't happen just by luck. It calls for constantly monitoring your sense of success and sense of fulfillment. Career management is an ongoing process, calling for skills in job search techniques, knowing how to promote your value to your employer, and keeping up with your industry and profession.

This e-book will be available to members free in September.

To purchase IEEE members-only products, and to receive the member discount on eligible products, members must log in with their IEEE Web account.

2013 Western New York Image Processing Workshop

November 22, 2013

Rochester Institute of Technology, CIMS Building #78

<http://ewh.ieee.org/r1/rochester/sp/WNY13.htm>

Organizing Committee:

Nathan Cahill
Rochester Institute of Technology

Edgar Bernal
Xerox Corporation

Behnaz Ghoraani
Rochester Institute of Technology

Survi Kyal
Xerox Corporation

Paul Lee
ITT Exelis

Michel Molaire
Molaire Consulting LLC

David Odgers
Odgers Imaging

Raymond Ptucha
Rochester Institute of Technology

Beilei Xu
Xerox 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. The workshop comprises both oral and poster presentations.

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/WNYIPW2013>. To encourage student participation, a best student paper award will be given.

Submission of paper (4 pages):	October 7, 2013
Notification of Acceptance:	October 21, 2013
Submission of final paper (4 pages):	November 4, 2013

Accepted papers will be published in the IEEE Xplore digital library. For samples of papers presented in earlier workshops, please search for the keyword "WNYIPW" in IEEE Xplore.

Fees are kept to a minimum and are primarily intended to cover the costs associated with holding the workshop. They enable attendance to all sessions and include lunch. 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 16th year, is sponsored by the Rochester chapter of the IEEE Signal Processing Society with technical cooperation from the Rochester chapter of the Society for Imaging Science and Technology.



**Society for Imaging
Science and Technology**