IEEE

ROCHESTER SECTION NEWS
FOR AUGUST 2008

Jacob Z. Schanker, P.E., Newsletter Chair
Rochester IEEE home page at: http://www.r1.ieee.org/~roch

Rochester Section Meeting Tuesday, August 5, 2008

The next Rochester Section business meeting is on Tuesday, August 5, 2008 at Noon, at the Shanghai Restaurant, 2920 West Henrietta Road, just south of the intersection with Brighton-Henrietta Town Line Road. All IEEE members are welcome to attend this meeting, meet your officers and have lunch for just $3.00.

How do I learn about IEEE meetings?

Generally, meetings are announced in several ways: by direct email through the IEEE's eNotice system, in the IEEE news section of the monthly Rochester Engineer magazine mailed to all full IEEE members, and in a PDF version of monthly IEEE news available from the Rochester Section website (http://www.r1.ieee.org/~roch/). An email is also sent monthly with a direct link to the online newsletter when it becomes available. Most IEEE meetings also appear in the Engineers' Calendar feature of the Rochester Engineering Society website which can be accessed directly from the IEEE Rochester Section home page.

It is the obligation of all meeting organizers to endure that all members of the section – not just members of their particular society chapter – are informed of meetings in a timely fashion. The society chapters are funded by the section as a whole, and therefore all members have a right to know about meetings.

Sometimes this doesn't happen, although it should. In the past, offending chapters have seen their budgets slashed or disappear because of their failure to let everyone know what's going on.

Email address lists are maintained by IEEE headquarters, not by the section. Therefore, if you haven't been getting email notices (and want to) make sure that the IEEE has up-to-date information on your email address by going to the main IEEE website and log into your IEEE web account. Then find the change email link on the right side of the screen. If you don't have an IEEE web account you ought to register to get one. It is the doorway to many additional member benefits that you've already paid for.

IEEE Signal Processing Society Workshop

The chapter will be sponsoring the 2008 Western New York Image Processing Workshop, to be held on Friday, September 26, 2008 at the Rochester Institute of Technology Chester F. Carlson Center for Imaging Science Auditorium, Building 76.

A call for papers has been issued. Prospective authors should send an email with the title and an abstract of their presentation, and names of authors, in plain ASCII format by August 18, 2008 by electronic mail to: Vishal Monga, vishalmonga@gmail.com

You are encouraged to visit the Workshop website: http://ewh.ieee.org/r1/rochester/sp/IP_workshop2008/workshop08.htm for full and current details.

Congratulations to our latest Senior Members

At the April Senior Member Elevation Review Panel meeting in Albuquerque, NM, our current Rochester Section Chair, Dr. Jayanti Venkatamaran, was elevated to Senior Member. Congratulations to Jayanti.

Protecting Your E-Mailbox by Jim Ziobro
(Jim Ziobro is the Electronic Communications Coordinator for the Rochester Section)

This article appears in the August Rochester Engineer magazine which is mailed to Rochester Section members. If you would like a copy of this article, send an email to Jim Ziobro requesting one.

Black Magic

Black magic is an apt description for the process that takes a good design from the schematic level to an actual, properly behaved, printed circuit board layout. We're talking a PCB with no signal integrity problems, no emission problems, and no immunity problems. I admit to being a sometime practitioner of this kind of black magic, and also of the other black art – that of RF design.

One of the best references I have found for the first type of black magic is "High-Speed Digital Design – A Handbook of Black Magic" by Howard Johnson and Martin Graham. Dr. Johnson also has a regular column in EDN magazine. An archive of his past columns can be found at his website: www.sigcon.com.

As it happens, Dr. Johnson will be presenting a two-day seminar on high-speed digital design and signal integrity in Rochester on September 29-30, 2008. Details on the seminar can be found on his website.

2008 WESTERN NEW YORK IMAGE PROCESSING WORKSHOP

Friday, September 26, 2008
Rochester Institute of Technology
Chester F. Carlson Center for Imaging Science Auditorium
Building 76
79 Lomb Memorial Drive
Rochester, NY 14623
(Parking Lots G and H)

Sponsored by the **Rochester Chapter of the IEEE Signal Processing Society**
and

Workshop Scope

The aim of this workshop is to promote interaction between image processing researchers in and around Western New York. Researchers from both academia and industry are invited to participate. Interaction will be encouraged by keeping the number of participants to less than one hundred, having a single track of presentations, and providing an informal lunch.

Original manuscripts in (but not limited to) the following areas are solicited:

- Content-Based Image and Video Retrieval
- Color Imaging
- Document Image Processing
- Image and Video Coding
- Image and Video Content Management
- Image Enhancement and Manipulation
- Internet Imaging
- Medical Imaging
- Multimedia Security and Watermarking
- Video Processing

Plenary Talks

In addition to presentations of invited and solicited papers, the workshop will have two plenary talks delivered by renowned experts in their fields: Prof. Edward Dougherty, Texas A&M and Dr. Ed Ashton, VirtualScopics, Inc.

Paper Submission

Prospective authors should send an email with the title and an abstract of their presentation and names of authors in **plain ASCII format** by August 18, 2008 by **electronic mail** to:

Vishal Monga
e-mail: vishalmonga@gmail.com

All submissions should include author's name, affiliation, and e-mail address. Notification of acceptance will be sent by September 5, 2008. Authors are encouraged to send a brief email indicating their intent to participate and the topic of their presentation by August 4, 2008 in order to allow the committee to organize the sessions - though this is not a requirement.

Authors of accepted papers will be requested to send electronically an extended summary (4 pages at most) by September 8, 2008. Preferred formats for the extended summary of accepted presentations are PDF and Postscript (images encapsulated). Summaries will be compiled and distributed at the workshop in paper form and in advance in their on-line form. Final papers will only be published on-line.

In order to encourage participation by students, we will present a best student paper award.

Workshop website: http://ewh.ieee.org/r1/rochester/sp/IP_workshop2008/workshop08.htm

Organizing Committee:

Chair: David Coumou, MKS Instruments, Inc.
John Handley, Xerox Corporation
Vishal Monga, Xerox Corporation
Andrew Gallagher, Eastman Kodak

Call for Abstracts
IEEE NY Workshop on
Communications, Sensors, and
Networking '08

Date: Friday, November 21st, 2008
Time: 8:30am-5:00pm
Location: Golisano Auditorium, RIT, Rochester, NY

This workshop aims to provide a forum for discussing recent advances in communications and networking technologies. The workshop will bring together researchers and practitioners in academia and industry in the NY state. Topics of interest include recent advances in ALL areas of communications, Internet, wireless and sensor networks. The workshop is sponsored by the IEEE Chapter for Communications and Aerospace Engineering Society of the Rochester Section.

Authors are invited to submit an abstract of recent and ongoing work. All submissions will be reviewed for appropriateness for the workshop. Authors of accepted papers will present their work at the workshop, as either a talk or as a poster presentation. Accepted papers will also be made available to workshop attendees in the workshop proceedings. No copyright will be held against publication elsewhere. Abstracts must be submitted in PDF format through the following website. http://ewh.ieee.org/r1/rochester/comm_aero/workshop/abstract.php

For more information, visit the workshop Web page at
http://ewh.ieee.org/r1/rochester/comm_aero/workshop/

Important Dates:
Abstract Submission (300 words max.) Due: July 15th, 2008
Notification of Acceptance: August 15th, 2008
Full Paper (5 pages max.) Due: September 15th, 2008
Workshop Pre-registration Deadline: October 15th, 2008

Workshop Organizers:
General Chair: Nirmala Shenoy (RIT) and Mitel Kuliner (Harris Corporation)
Technical Program Committee: Sumita Mishra (RIT), Yin Pan (RIT), Vishal Anand (SUNY Brockport), Azadeh Vosoughi, (University of Rochester)
Publicity Chair: Sumita Mishra (RIT)
Webmaster: Josh Watts (RIT)
Local Arrangement: IEEE Rochester Joint chapter for Communications and Aerospace
Organizing Committee: Mitel Kuliner , Nirmala Shenoy, Yin Pan, Sumita Mishra, Vishal Anand, Azadeh Vosoughi