MO

of the IEEE, NSPE, and the CNYAPG.

Includes information for the Syracuse Sections					
SYRACUSE AREA TECHNIC	SYRACUSE AREA TECHNICAL SOCIETIES COUNCIL				
ACM - Association of Computin Gerry T. Volger	ng Machine Chair	ry 433-1904			
ACS - American Chemical Socie Steven Keller		433-1704			
AFE - Association of Facilities I		455-7061			
AFS - American Foundryman's S Kevin Walker		477-5151			
AIA - American Institute of Arc		476-8371			
AIAA - American Institute of Ao John E. LaGraff					
AIChE - American Institute of C Suresh Santanam	Chemical E	ngineers 655-8161 x 340			
AIHA - American Industrial Hys					
ASCE - American Society of Ci Matt Millias P.E.	vil Enginee				
ASHRAE - American Society of					
& Air Conditioning David Wildrick	Chair	446-1375			
ASM - American Society for Me	etals				
Jeff Zerilli ASME - American Society of M	Chair lechanical F	607-533-7000 Engineers			
David Colangelo	Chair	451-9560			
ASPE - American Society of Plu Christopher De John	ımbing Eng Pres.	ineers 471-6061			
ASQ - American Society for Qu Davis B. Smith	Chair	652-5689-1024			
ASSE - American Society of Sat Jerry Clark	fety Engine Chair	ers 445-4536			
CNYAIHA - CNY American In					
Steve Valentine CNYSLS - CNY Society of Lan	Chair d Surveyors	455-0224 s			
		428-4358			
CNYTEA - CNY Technology E Thomas A. Frawley		592-5791			
FLSA - Finger Lakes Sanitarians Lary Duchaney	s Association Chair	on 445-1597			
IEEE - Institute of Electrical and Joe Cuker	d Electronic Pres.	es Engineers 637-9755			
IES - Illuminating Engineering S	Society				
Chad Loomis ISMC - International Society for		476-8311			
Steve Burrell	Pres.	445-5555			
LCSEAA - LC Smith Engineerin Kelly Thompson	ng Alumni Contact	Association 678-2171			
NSPE - National Society of Prof Michael R. Hayes, P.	essional Er	ngineers 455 2000			
NYSAPLS - NYS Assoc. of Pro Robert S. Green					
NYSATE - NYS Association of Mary Clements					
SAE - Society of Automotive Er Angie Errico		432-4363			
SAS - Syracuse Astronomical So Stu Foster		492-9118			
SBE - Society of Broadcast Engi	ineers				
Vincent Lopez SFPE - Society of Fire Protectio	Pres. n Engineer	472-6800 s			
Dennis McCarty SME - Society of Manufacturing	Pres.	716-599-4238			
Sam Waita	Chair	422 0700			

The Technology Alliance of CNY has been reporting on technical excellence since 1903.

Vol. 7 No 2

October 2004



The Syracuse Section of the Institute of Electrical and Electronics Engineers www.ewh.ieee.org/r1/syracuse

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- Workshop on Sensor Networks,



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Sam Waite **SWE** - Society of Women Engineers Susan Weaver

Chair

Pres.

432-0700

432-0506





EEE News and Events

Syracuse Section - October 19 through PE Exams in March	6:00 - 8:00 PM	ASME Syracuse Section	NT G		Fred Wenthen (ftwenthe@syr.edu)
November 12	8:30 - 5:00		N11	Workshon	Wendi Heinzelman (wheinzel@ece.roches ter.edu)
November 15	IX AM - 5 M			CNY Engineering Expo 2004	Mike Hayes (m.hayes@ieee.org)

IEEE Syracuse Section & IAS/PES Chapter Meetings

Date	Speaker/Topic	Sponsor
10/21/2004	Wind Tunnel @ SU	Section & TACNY
11/18/2004	Biomedical Engineering Presentation	Section
Jan-05	Financial Management	Section
Jan-05	Building Transmission in NY, Panel Discussion	IAS/PES
Feb-05	Joint Meeting w/students	Section
Feb-05	Harmonics	IAS/PES
	Celebration of Technology Banquet - Mars	
3/10/2005	Rover	Section
4/12/2005	Fellows Night - Experiences in Afghanistan	Section
May-05	NIMO Control Ctr Tour	IAS/PES
Jun-05	Joint Meeting w/Rochester & Binghamton	Section

BOOKMARK THIS!

Check out our Section Calendar at http://www.ewh.ieee.org/r1/syracuse/cal.htm for additions, updates and directions to meetings. This includes meetings that we have not been able to add to the Technologist due to scheduling. The Syracuse Section will add meetings for other organizations where IEEE members are invited and link to your web page. Don't have a web site for your organization? We will include the information on ours for related technical societies. Contact Don Herres at d.herres@ieee.org.

IEEE

CONTACT INFORMATION

IEEE Operations Center http://www.ieee.org 445 Hoes Lane Piscataway NJ 08855-0331 Switchboard: +1 732 981 0060

IEEE Regional Activities

Those members who need to CHANGE CONTACT INFO on file with the IEEE, including e-mail addresses, should do so at: http://www.ieee.org/membership/coa.xml

SYRACUSE SECTION Meeting Information

Our Executive Committee Meetings are held on the first Friday of the month and are open to all members.

Minutes are available online at http://www.ewh.ieee.org/r1/syracuse/meet.htm

Check out the all new Syracuse Section website: http://www.ewh.ieee.org/r1/syracuse/





Come to IEEE Senior Upgrade Party!!! 6:30-8:30 p.m. Thursday, November 11, 2004

CENTER FOR SCIENCE AND TECHNOLOGY BUILDING 2-122, SYRACUSE UNIVERSITY

Munchies, Computers, and Senior Members Provided

WHY UPGRADE?

- 1. Recognition for technical and professional excellence.
- 2. Receive a very nice wood and engraved bronze plaque for your office or home.
- 3. Receive a \$25 gift certificate to put towards a Society membership.
- 4. A letter of commendation is sent to your employer stating this notable achievement.
- 5. Announcements are sent to local newsletters, newspapers, and notices.
- 6. Eligible to hold executive IEEE positions and serve as senior member references.

WHO IS ELIGIBLE?

IEEE Bylaw I-105.3 sets forth the criteria for elevation to Senior Member Grade, as follows:

"... a candidate shall be an engineer, scientist, educator, technical executive or originator in IEEE-designated fields. The candidate shall have been in **professional practice for at least ten years** and shall have shown **significant performance over a period of at least five** of those years."

Educational experience is credited towards your professional experience. With a **B.S.** in electrical engineering, a candidate requires **7 years of professional experience** before becoming a senior member. With a **Ph.D.**, **5 years** is required. See website http://www.ieee.org/organizations/rab/md/smprogram.html

WHAT SHOULD I BRING?

- 1. IEEE membership card with your membership number.
- 2. Resume outlining your years of experience.
- 3. Bring addresses of your manager and newspapers you wish contacted by IEEE.

If you have any questions or wish copies of this, please contact Lisa Osadciw at laosadci@syr.edu.

Parking is available in the Q4 lot south of the Center of Science and Technology as well as on the side streets nearby. The room is a computer lab on the second floor of CST. A map with directions is found at

http://www.cs.ucf.edu/~jlee/www-scp/html/road map.html





The Institute Online

1. Be sure to mark your calenders to attend the Boston Chapter Distinguished Lecturer Series starting this Fall 2004. All meetings are at MIT, Rm 66-110. For further information, please visit http://www.ieee-boston.org/ for further details.

October 13 Dr. Dejan Bojanic Novartis-Cambridge

Smarter, Faster & Cheaper - the Role of Robotics in Automating Drug

Discovery

November 10 Professor Jim Collins Boston University

Engineered Gene Networks: A Reductionist Approach to Systems Biology

December 8 Dr. Seth Cohen Caliper LifeSciences

Microfluidics & Drug Discovery

2. 2004-2005 National Student Design Competition

Open to programs in biomedical engineering, industrial design, and others. Programs receive up to \$2000 in reimbursement for design costs. First prize: \$1000, Second prize: \$750, Third prize: \$500. Also \$500 award for registration/travel to present a related paper accepted at a major conference. Contact: John Enderle, Ph.D., e-mail: jenderle@bme.uconn.edu enderle@bme.uconn.edu, phone: 860-486-5521

- 4. What You Need to Know for This Year's Election Begin by looking for the Annual Election ballot in your mailbox this month. In addition to the three candidates in the race for 2005 IEEE President- Elect, 40 others are running in 16 contests held in the IEEE's various divisions and regions. Plus you have to vote on an amendment to the IEEE Constitution, which is included with the ballot and other election materials. Highlights of the revisions to the constitution are at http://www.theinstitute.ieee.org
- 5. Standing Up for a Better E-Ballot Box It won't be ready for this year's U.S. presidential election. It could be ready before the next one, four years hence. We're talking about an IEEE standard that specifies the performance requirements of electronic voting machines. Find out more at http://www.theinstitute.ieee.org
- 6. Marketplace of Ideas: Is E-Voting Ready for Prime Time? Several countries use electronic voting machines, but the technology has been plagued, at least in the United States, by questions of accuracy and security fears. What must be done before e-voting is safe, secure, and reliable? Weigh in at institute@ieee.org
- 7. Offering Consultants a Helping Hand For members turning to consulting for a living, the IEEE offers a host of products and services to help them run their businesses. Perhaps most useful are the IEEE Consultants' Networks where consultant-engineers can meet and discuss the trials and tribulations that many in one-person operations would otherwise face on their own. The networks also organize educational programs and that prerequisite of so many successful careers--networking opportunities.





General Chair

Pramod Varshney Syracuse University

Steering Committee

Wendi Heinzelman University of Rochester

Lisa Osadciw Syracuse University

Sergio Servetto Cornell University

Pramod Varshney Syracuse University

Technical Program Co-Chairs

Lisa Osadciw Syracuse University

Sergio Servetto Cornell University

Local Arrangements

Kevin Du Syracuse University

Publicity

Shanchieh Jay Yang Rochester Institute of Technology

Registration

Nael Abu-Ghazaleh SUNY Binghamton

3rd IEEE Upstate New York Workshop on Sensor Networks

Friday, October 15, 2004 9:00-6:30 pm Sheraton Syracuse University Hotel http://www.sheratonsyracuse.com/

CALL FOR ABSTRACTS

Following the success of last year's 2nd workshop on sensor networks we are holding a 3rd workshop that brings together researchers in aca demia and industry to share their work in sensor network areas. The ultimate goal of this workshop is to provide a forum to discuss sensor network research so that collaborations and teaming opportunities may result.

We extend an invitation to all those interested in sensor network research to attend and participate in this workshop. For those interested in presenting their research, please submit an extended abstract for consideration in one of the poster or oral presentation sessions.

Topics of interest include but are not limited to:

- Networking protocols
- Processing and communications
- System architecture and management
- Data Management
- Sensor hardware design

ABSTRACT SUBMISSION

Prospective speakers are invited to submit extended abstracts of 4 pages or less including results, figures, and references. Abstracts, pre-erably in PDF, may be emailed to laosadci@syr.edu by August 20, 2004.

 Submission of extended abstract 	Aug. 20, 2004
 Notification of acceptance 	Sept. 10, 2004
 Registration for workshop 	Oct. 1, 2004
 Submission of accepted presentations 	Oct. 8, 2004

CENTRAL CHAPTER NY STATE SOCIETY OF PROFESSIONAL ENGINEERS

NEWSLETTER OCTOBER, 2004

President's Message - Mike Hayes, P.E.

As a reminder, please mark your calendars now. We will be offering a one-day seminar on Monday, November 15, 2004 (Engineering Expo 2004) at the Holiday Inn on Electronics Parkway in Liverpool that will provide 6 PDHs. There will be multiple tracks for the various engineering disciplines. See the information later in this newsletter for more details. Look for more information in future newsletters and on our website, http://www.cnype.org/. We have tried to pick speakers and topics that will be of interest to you. While this event is aimed at PEs, it is open to anyone who is interested. We are also looking for corporate support for this seminar. We are asking companies to become exhibitors, sponsors, or patrons. See the registration forms later in the newsletter. I have had several questions about whether you have to attend presentations in just one track. The answer is no. You can attend any presentation you choose.

While this event is aimed at PEs, it is open to anyone who is interested. We are also looking for corporate support for this seminar. We are asking companies to become exhibitors, sponsors, or patrons. See the registration forms later in the newsletter.

What if your registration expires early next year, and you don't have any continuing education credits yet? It's still not too late. You can get 5.5 professionals development hours (PDH) at the NSPE Northeast Region Conference in Philadelphia, PA (October $7 \sim 9$, 2004), the 2004 NYSSPE Fall Convention & Expo in Albany, NY (November 12 &13, 2004), and, of course, our Engineering Expo 2004 in Syracuse. See the NYSSPE web site at http://www.nysspe.org/ for more information about the Philadelphia and Albany events. In addition, see more information about how many hours of continuing education you need if your registration expires on or before 12/31/05 below.

There will be a "Build 'em and Bust 'em" event at Syracuse University, on November 20, 2004. Students from 4th through 12th grades will build structures that will be evaluated for structural strength and design quality. There will also be an on-site event.

PROFESSIONAL DEVELOPMENT HOURS AVAILABLE THROUGH THE 2004 CNY ENGINEERING EXPO

On November 15, 2004 your Chapter is presenting an engineering exposition covering topics from a variety of engineering disciplines which can earn attendees up to a total of 6 PDHs from the classes they select. Due to the voluntary donations of instructor's time, the cost is only \$75 per person and includes a luncheon as well as vendor's exhibitions. Cosponsors include ASCE, ASME, IEEE and NSPE.

Details of the EXPO are given on the next three pages. For further information call Mike Hayes, PE at (315) 455-2000, mhayes@cscos.com.

NOTE: ALTHOUGH, SOME OF THE FOLLOWING INFORMATION IS THE SAME AS LAST MONTH, SEVERAL COURSES AND TIMES ARE CHANGED.



The following is from the questions and answers section of the NYSED web site (http://www.op.nysed.gov/peceques.htm). "If you are renewing the registration of your license on or after January 1, 2005, the number of contact hours you will be required to complete and report will vary depending on when your current registration expires. You will be required to complete continuing education at a rate of 1 hour per month beginning January 1, 2004 to the date your registration is due to be renewed, for a total of 36 hours for professional engineers or 24 hours for land surveyors."

For example, if your registration is good through December 31, 2004, you must renew "on or after "January 1, 2005. You'd need 12 hours of continuing education. The following table shows the continuing education requirements for those whose registrations expire on or before 12/31/05. The complete table is on the SED web site at the link shown above.

Professional Engineers: If your registration is due to be renewed on or after:	You will be required to complete the fol- lowing number of hours of continuing education
1/1/2005	12
2/1/2005	13
3/1/2005	14
4/1/2005	15
5/1/2005	16
6/1/2005	17
7/1/2005	18
8/1/2005	19
9/1/2005	20
10/1/2005	21
11/1/2005	22
12/1/2005	23
1/1/2006	24

						·		ı	<u> </u>	Technolog	ist
- Holiday Inn, Electronics Pkwy & 7th North St., Syracuse, NY	000	General Interest	Sponsored by NSPE	8:15 - 10:30 Building Code of NY State - Fire Protection Require- ments - Michael J. Klementz, PE, Davis-Ulmer Sprinkler Co - 2.0	PDH for PE	10:45 - 11:45 Forensic Engineering - John Buchta, JDR Systems 1.0 PDH		1:15 - 2:15 Insulated Concrete Forms Saul Mazur, AH Harris 1.0 PDH	2:30 - 4:45 Physical Security, Chad Barnes C&S Engineers	- 2.0 PDH for PE	4, \$95 after)
tronics Pkwy & 7th	For more information, call Mike Hayes, PE at (315) 455-2000	Professional	Sponsored by NSPE	8:15 - 9:15 Designing Mound Septic Systems, Jeff Till, Onondaga Co 1.0 PDH	9:30 - 11:45 Ethics - Dick Simberg, PE (ret.) - 2:0 PDH		(Convention Center)	1:15 - 2:15 Engineering Law - Neal Illenberg, PE 1.0 PDH	2:30 - 3:30 Behavior of Prestressed Seismic Framing Systems, Jubum Kim, Clark- son University - 1:0 PDH	3:45 - 4:45 NYS Building Code & Special Inspections - Tom Cronin, PE - Atlantic Testing Laboratories - 1.0 PDH for PE	COST: \$75 Per Person (reservations received not later than 11/1/04, \$95 after)
Holiday Inn, Elec	n, call Mike Haye	Electrical	Sponsored by IEEE	8:15 - 9:15 2005 NEC Update - Neil LaBrake Jr., PE, National Grid - 1.0 PDH	9:30 - 10:30 Transformer Fusing - Vincent J. Brown III. V.J. Brown Co 1.0 PDH	10:45 - 11:45 Photo-Voltaic Power Systems - Dr. Gay Canough, ETMSolar 1.0 PDH	Networking Luncheon & Visit Display Booths (Convention Center)	1:15 - 2:15 Electrical Grounding - Mr. John How- ard, Lyncole - 1:0 PDH	3:30 - 3:30 Harmonics & Mitigation Methods for AC Drives, R. Hoadley, Rockwell Automation - 1:0 PDH	3:45 - 4:45 State of Computer Networking Craig Cobb, PE, Verizon 1.0 PDH	vations received n
November 15, 2004 -	or more informatic	Mechanical	Sponsored by ASME	8:15 - 10:30 Basic Mechanical Failure Analysis Neville W. Sachs, PE,	Sachs, Salvaterra & Associates - 2.0 PDH	10:45 - 11:45 Chiller Design, Robert Feduik, Carrier - 1.0 PDH	Networking Luncl	1:15 - 3:30 ASHRAE 90.1 - Tony Egan, "ABC Co." -	2.0 PDH for PE	3:45 - 4:45 Finite Element Analysis - Kishore Boyala- kuntla - CADimensions/Solid Works - 1.0 PDH	5 Per Person (rese
Monday - Nov	F	Civil	Sponsored by ASCE	8:15 - 9:15 Spill Prevention & Control - Bill Frye, C&S Engineers - 1.0 PDH	9:30 - 10:30 Advancements in FRP Wraps - Dr. Riyad Aboutaha, Syracuse Univer- sity-1.0 PDH	10.45 - 11:45 Cost Effectivness of Innovative Design Methods for Bridges - Robert Brunner, NYS Thruway Authority - 1.0 PDH		1:15 - 2:15 Dynamic Pile Testing - Tom Cronin, PE, Atlantic Testing Laborato- ries - 1.0 PDH for PE	2:30 - 3:30 Tunneling/ Deep Shaft Construction - AJ McGinn, Brierley Associ- ates - 1.0 PDH	3:45 - 4:45 Serviceability in High-Performance Con- crete, Dr. Levon Minnetyan, Clarkson Univ 1.0 PDH	COST: \$7



CENTRAL NEW YORK ENGINEERING EXPO 2004

A Continuing Education Seminar for Engineers and Architects

INDIVIDUAL INFORMATION & REGISTRATION

Reminder: The Expo will be held on Monday, November 15, 2004 from 8:00 AM to 5:00 PM.

Registration table opens at 7:30 AM.

Holiday Inn

441 Electronics Pkwy
Liverpool, NY 13088

Name	e of indi	vidual for registration:					
Orgai	nization	:					
Phone	e:						
Pleas	se check	appropriate box below.					
Ĩ	•	Bird registration: <u>\$75</u> be postmarked not later than October 29, 2004					
Ĩ	Regis	Registration after October 29, 2004: \$95					
		ate which of the five tracks you are most interested in. We will use this information to make ments. You may attend any individual session you choose.					
Ĩ	Civil						
Ĩ	Mech	anical					
Ĩ	Electrical						
Ĩ	Professional						
Ĩ	Othe	r					
Payn	nent:	Please enclose check. Make check payable to: F.E.E., Inc. and reference the CNYSSPE-EXPO 2004 in the memo portion of the check. The Foundation for Engineering Education (F.E.E., Inc.) is sponsoring this event.					

Mail to: Ms. Alicia Kirkby, C&S Engineers, 499 Col. Eileen Collins Blvd., Syracuse, NY 13212.



CENTRAL NEW YORK ENGINEERING EXPO 2004

A Continuing Education Seminar for Engineers and Architects

EXHIBITOR & SPONSOR INFORMATION & REGISTRATION

Reminder: The Expo will be held on Monday, November 15, 2004 from 7:30 AM to 5:00 PM.

Holiday Inn

441 Electronics Pkwy
Liverpool, NY 13088

Name & Title of individual completing this form: Name of individual(s) for registration(s):

Organization: Address: Phone:

Fax: Email:

Exhibitor Only: \$200, includes booth & 1 registration

Sponsor Only: \$250, includes listing in program & 2 registrations

Patron: <u>\$400</u>, includes booth, listing in program & 3 registrations

Please check this box if you will require the use of an electrical outlet. An additional service charge of \$30\$ will apply.

Please check appropriate box above.

Booth set up may start at 6:00 AM on November 15, 2004. Booths are 6' x 10' including table, chairs, table cloth, and electrical outlet. Booths are available on a first come, first served basis.

Payment: Please enclose check.

Make check payable to: **F.E.E., Inc.** and reference the CNYSSPE-EXPO 2004 in the memo por-

tion of the check.

The Foundation for Engineering Education (F.E.E., Inc.) is sponsoring this event.

Send completed registration form to:

Ms. Alicia Kirkby, akirkby@cscos.com, C&S Engineers, 499 Col. Eileen Collins Blvd., Syracuse, NY 13212

Please contact Mike Hayes, PE at (315) 455-2000 or mhayes@cscos.com if you have any questions.



So You Want To Be an Engineer: The Ins and Outs of Getting Licensed In NYS

A Panel Discussion Sponsored By:
The Central New York State Chapter of the NY State Society of Professional Engineers in cooperation with the
Syracuse University College of Engineering & Computer Science

Date: Thursday, October 14, 2004 Presentation: 6:15 PM Snacks & soda will be provided

Location: Room 369, Link Hall, Syracuse University

(Parking will be available at no charge in the SU VIP lot (Q4) on College Place adjacent to the Science and Technology Building. Let us know if you will need a parking spot so we can reserve a space.)

A member of the Engineering and Land Surveyor's Licensing Board, NYS Education Department will be our panelist for a discussion of issues relative to the licensing of engineers. Topics will include: Why be licensed?, the application process, the exams (including recent changes), professional discipline, and continuing education for engineers.

The presentation is free.

Please make a reservation to attend. Contact John Przepiora, P.E.: 315/479-9111, jwp134@twcny.rr.com

Students may also make reservations by contacting Kathy Pollard (443-5192) in the SU Engineering College Dean's Office.



WEBSITE

Check us out at http://www.cnype.org/. The site is kept up to date and includes the latest on meetings, continuing education and other details of our many professional activities. IT IN-CLUDES A COMPLETE AND UPDATED SECTION ON CPC. As with everything else concerning your Society, your comments are most appreciated.

THANK YOU

We are still seeking donations for our Chapter's Scholarship Fund. Please consider furthering our efforts to support future engineers. The Chapter scholarship fund is supported by contributions from firms and individuals who take an active interest in the future of our profession. Current contributors include:

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- Blasland, Bouck and Lee
- C&S Engineers Inc.
- · Clough Harbour
- Klepper Hahn & Hyatt, PC
- Watkins Environmental Sciences, P.E., P.C.

Donations from firms and individuals are welcome and may be sent to: CNYSSPE, c/o Microwave Filter Company, Inc. 6743 Kinne Street, E. Syracuse, New York 13057, Attn: Nancy Young. For additional information please contact Carl Fahrenkrug, carl-f@microwavefilter.com, 438 4722.

BOARD OF DIRECTORS MEETINGS

NSPE members are most cordially invited to attend all board meetings. Meetings are tentatively scheduled for noon on the first Thursday of each month. Those wishing to attend should contact Mike Hayes: (315) 455-2000 ext. 384; m.hayes@ieee.org to confirm time and date.





Our President's Voice -Professionals Take Risks

Geologists, as most humans, like to avoid risk in their lives. This aversion to risk probably came about through natural selection. Humans that tried to grab the saber-tooth tiger tail or stood too close to a volcano were removed from the gene pool. Minimizing risk kept humans around to propagate. Of course the definition of what is risk varies. Geologists think nothing of swerving off the road to look at an outcrop, a behavior many humans consider a foolish risk. Whatever the historic basis, we as professional geologist generally look for ways to minimize risks.

In our professional lives we face risks and consequently find ways to minimize risks. We face risks in making professional decisions pertaining to the investigation and remediation of sites and other geologic practices. While these risks may not be life threatening to us, they do expose us to critique by regulatory agencies, clients, other professionals, and lawsuits. So we find ways to minimize these risks. We collect extra data during site investigations, we just present data with little interpretation in reports, we become experts at the use of 'weasel' words in reports, we use look-up-tables to judge whether a site is clean or dirty, we get insurance, and we rely on presumptive remedies. This is not to say that minimizing risk is necessarily a bad approach to follow in and come to a meeting. If you have come to some our professional lives. Our clients, insurers, investors, and spouses are glad when we manage risk and keep our jobs. But, philosophically speaking, risk has regular meeting attendee then take a risk and volunits benefits. When we look back at our careers are we teer to help with the organization. CNYAPG is lookgoing to remember the projects where we used lookup-tables or the projects where we tackled a big challenge or a new problem? The big challenges and new problems present a very real risk because they there are no easy ways to avoid the risk. We take risks when we think outside the box and come up with innovative solutions.

As scientists and professionals we are expected to take risks and push the boundaries of our profession. We are considered professionals because we have the training and experience to make decisions for which there is no known correct answer. We are striving to have geologists registered as professionals in New York State. We are not doing this so we can just use look-up-tables or other risk minimizing paths in our careers. We want the same recognition to make professional judgements on projects and take on the associated risks that professional engineers currently have. We should be wary of changes in our profession that remove such risk. Without risk there is no need for professionals making decisions. I recognize that look-up-tables and other risk avoidance techniques do play a needed and valuable role in the environmental business, but they should be used conscientiously and where appropriate. I encourage geologists to look at our professional lives and welcome some risk into it. Make a habit of pushing ourselves and taking professional risks. Risk can bring life and value to your job both professionally and personally.

One way you can welcome risk into your professional life, and not give your boss the jitters, is to find new ways to participate in CNYAPG. For many, attending a CNYAPG meeting when you do not know anyone there may raise a big risk flag. And it is an easy risk to avoid by "having to work late", "having to get home" or just not getting around to it. Or you can decide to do something new and participate. If you have not attended a meeting, take a risk meetings then take a risk and go up to someone you do not know and start a conversation. If you are a ing for volunteers to help plan meetings and to work on a spring symposium. So make a point of doing something new today and taking a risk. I predict that you will feel more alive and that your life will be better for it.

Guy Swenson



The 2004 - 2005 Board of Directors are as follows:

Guy Swenson - swensoga@obg.com
Jeff McKenzie - jmmckenz@syr.edu
Karen Cahill - kacahill@gw.dec.state.ny.us
Joel Parratt - jparratt@pwinc.com
Jum Mickam - jtmickam.jtm@prodigy.net
Maureen Whalen - mwhalen@swredev.com
Bill McCune - wtm@bbl-inc.com
Kieran Hosey - khosey@gesonline.com
Nathan Pratt - npratt@gesonline.com

If you have questions, ideas, or concerns about CNYAPG please do not hesitate to contact us.

Membership news – For those of you who have not yet renewed your membership, please do so now! To renew your membership or become a new member, simply complete the membership form which is available on our website at **www.cnyapg.org**! Membership is only \$25 per year and all money received is used for these newsletters and our monthly meetings.

Future programming – CNYAPG is lining up some great programs for 2004-2003. If you know a someone who might be willing to be a speaker at one of our programs, please contact Jeff McKenzie (jmmckenz@syr.edu 569-6074) or Guy Swenson (swensoga@obg.com 437-6100).



A different CNYAPG sponsor's ad will be posted in each issue of the Technologist. For more information regarding CNYAPG, please contact Guy Swenson, President (315.437-6100) or swensoga@obg.com

October 3-6, 2004	2004 Annual AIPG Meeting in Saratoga Springs, New York. (http://www.aipg.org)
October 14, 2004	CNYAPG Monthly Dinner Meeting, Joint meeting with Syracuse University to jointly bring the Geological Society of America Birdsall-Dreiss Lecturer.
www.hmpga.org	Hudson-Mohawk Professional Geologists' Association has monthly meetings with speakers. Check their website for the schedule.
http://www.bapg.org/	The Buffalo Association of Professional Geologists has monthly meetings with speakers. Check their website for the schedule.
November ?, 2004	CNYAPG Monthly Dinner Meeting,



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Email Contact Information

Emails addressed per the following list will automatically be forwarded to the appropriate officer or committee person:

president@tacny.org
 programs@tacny.org
technicalsocieties@tacny.org
 secretary@tacny.org
 treasurer@tacny.org
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 membership@tacny.org
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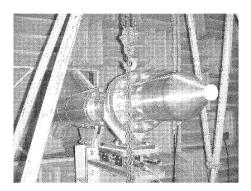
Websites of the Month

Articles focusing on the *use* of information technology drawing from varied disciplines including engineering, computer science, education, psychology, business, and anthropology can be found at: http://inform.nu/



T.H.E. Journal is the longest running magazine devoted to Educational Technology. It can be found at: http://www.thejournal.com/

OCTOBER SWEET LECTURE: WIND TUNNELS – HIGH SPEED JET FLOW



Date: Thursday, October 21, 2004

Location: Skytop, Syracuse University

Schedule: 6:00 PM – Lecture Cost: Free

Reservations: Mike Hayes, C&S Engineers
Phone: (315)455-2000 Email: mhayes@cscos.com

Reservations are requested by October 18, 2004.

Mr. Tinney will discuss his research in high speed jet flow (specifically, Noise Control of a Heated Mach 0.85 Jet: A Low Dimensional Approach) using one of the wind tunnels at Syracuse University. The principle objective of this research is to identify the noise producing events in the compressible turbulent shear layer of a Mach 0.85 axisymmetric cold (104 °F) jet that are responsible for the far field acoustic noise. Mr. Tinney will run an experiment for attendees using a wind tunnel. For more information go to:

http://www.ecs.syr.edu/centers/simfluid/green/wind.html

Mr. Tinney is an Associate Graduate Researcher, EQS Center, Graduate Student, Mechanical, Aerospace and Manufacturing Engineering. He has a B.S. and M.S. from Clarkson University; Potsdam, NY.

Parking is available at Skytop.



SEVENTH ANNUAL "CELEBRATION OF TECHNOLOGY" AWARDS BANQUET

EVENT DATE:

Thursday, MARCH

10[™], 2005

LOCATION:

HOLIDAY INN & CONFERENCE CENTER AT

LIVERPOOL

7th North Street & Electronics Parkway, Liverpool, NY

SPEAKER: Prof. Robert Sullivan, Cornell University

Mr. Sullivan will discuss the Mars Exploration Rover (MER) mission, including the "Opportunity" and "Spirit" rovers.

The Awards Banquet Serves Several Important Functions:

- It celebrates the role that Technology provides for improving the quality of life as well as enhancing it's visibility in the community.
- It affords the opportunity for central New York organizations and businesses to display examples of their technological achievements, as well as descriptive information to enhance community visibility.
- It provides a platform for each business, technical society, and academic institution to proudly publicize their members' contributions and attain greater peer, student, and community recognition.

More information including nomination forms, costs etc. will be forthcoming in the Technologist, as well as on the TACNY website, http://www.tacny.org.

Questions can be forwarded to Mike Hayes at 455-2000, or mhayes@cscos.com

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Central New York Engineering Expo 2004



National Society of Professional Engineers

A Continuing Education Seminar for Engineers and Architects

The Expo will be held on Monday, November 15, 2004 from 8:00 AM to 5:00 PM.

Registration table opens at 7:30 AM.

Holiday Inn

441 Electronics Pkwy

Liverpool, NY 13088

Tracks: Civil, Electrical, Mechanical, Professional and

For more information, call Mike Hayes at 455-2000.

General Interest



Organizational Spotlight

The Syracuse Section of The American Society for Quality



The Syracuse Section is one of the 248 geographically-based sections of the American Society for Quality (ASQ), with a September 2004 membership of approximately 220. The section was established in 1946 of what was then called the American Society for Quality Control. The section area borders from southern Onondaga county north to the St. Lawrence seaway and from western Cayuga county to the western portion of the Mohawk Valley. The website can be found at:

http://home.twcny.rr.com/rcglr/asqsyracuse/

Upcoming ASQ Events:

(Call Bill Busher @ 434-1242, email him at bbsher@inficon.com, or go to the ASQ website for details)

October 12, 2004

Exploring Innovative Leadership Techniques Speaker - Sam Mehta - Certified Management Consultant (CMC),President of Integrated Technologies, LLC, - the Performance Improvement Professionals LeMoyne Manor

October 18 & 19, 2004 - Fall Conference

Lean Manufacturing: The 3rd Generation

Who Should Attend?

People who are interested in or are currently participating in lean manufacturing, lean enterprise/office transformation, and/or supply chain management.

Syracuse Airport Doubletree Hotel

October 18: Afternoon Plenary Session 2:30 – 5:00

October 19: Options:

Option A: Lean Office SIMulation 8:30 – 3:30 Option B: The Value Velocity Solution – Harnessing the Entire Business Enterprise - Supply Chain Management 8:30 – 11:30 Lunch 11:30 - 12:30 (Both Options)

Option B: Lean vs. Six Sigma 12:30 - 3:30 Closing Session 4:00 - 4:30

The cost for both days, a cocktail hour on day one, and lunch on day two is \$195, \$175 for ASQ members.



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Project Management Institute Syracuse Chapter

The Syracuse Chapter of PMI is an organization dedicated to improving and advancing project management.

By becoming a member of our Chapter, and attending our regular programs and training events we can assure you of the best networking opportunities you will experience. We can offer you connections with project management experts from the construction, engineering, telecommunications, pharmaceuticals, finance and consulting industries who can share their experiences, tips and key learnings with you.

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Director, Programs:
Al Brandenburg
abranden@twcny.rr.com

Director, Communications:
Donald Kottl, PMP
donald.kottl@gsa.gov

The PMI website can be found at: http://pmi-syracuse.org/

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Technologist Contact Information					
Editor (also IEEE)	Brian O'Hern	697-2352	b.ohern@ieee.org		
President IEEE	Mary Reidy	428-5326	Mary.Reidy@us.ngrid.com		
President TACNY	Al Brandenburg	453-4545	abranden@twcny.rr.com		
President NSPE	Michael R. Hayes, P.E.	455-2000	mhayes@cscos.com		
President ASCE	Matt Millias, P.E.	451-9560	Matt.Millias@Parsons.com		
President CNYAPG	David Lay	446-2570	dwl@bbl-inc.com		
Editor TACNY	Bill Busher	434-1242	Bill.Busher@Inficon.com		
Editor NSPE	Dick Simberg	245-4661	NBDICK@hotmail.com		
Editor ASCE	Todd M. Musterait, P.E.	655-3900	tmusterait@esc-ny.com		
Editor CNYAPG	Bill Morrow	437-1429	wmorrow@pwinc.com		

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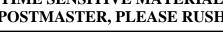


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