

Technologist

Includes information for the Syracuse Sections of the IEEE and the NSPE

SYRACUSE AREA TECHNICAL SOCIETIES COUNCIL

ACM - Association of Computing Machinery	Gerry T. Volger	Chair	433-1904
ACS - American Chemical Society	Steven Keller	Chair	
AFE - Association of Facilities Engineers	Nick Kochan	Pres.	455-7061
AFS - American Foundryman's Society	Kevin Walker	Chair	477-5151
AIA - American Institute of Architects	Jamie Williams	Pres.	476-8371
AIAA - American Institute of Aeronautics & Astronautics	John E. LaGraff	Chair	
AIChE - American Institute of Chemical Engineers	Suresh Santanam	Chair	655-8161 x 340
AIHA - American Industrial Hygiene Association	Tom McGiff	Pres.	607-255-5835
ASCE - American Society of Civil Engineers	Matt Millias P.E.	Pres.	451-9560
ASHRAE - American Society of Heating, Refrigerating, and Air-Conditioning Engineers	Ron Westbrook	Pres.	474-7371
ASM - American Society for Metals	Jeff Zerilli	Chair	607-533-7000
ASME - American Society of Mechanical Engineers	Tom Michlovitch	Chair	433-1917, x125
ASPE - American Society of Plumbing Engineers	Daniel C. Gehl	Pres.	607-277-7100
ASQ - American Society for Quality	Andy Thyne	Chair	456-3267
ASSE - American Society of Safety Engineers	Jerry Clark	Chair	445-4536
CNYAIHA - CNY American Industrial Hygiene Association	Steve Valentine	Chair	455-0224
CNYSLS - CNY Society of Land Surveyors	Robert Green	Contact	428-4358
CNYTEA - CNY Technology Education Association	Michael D. Thurlow	Pres.	598-6030
FLSA - Finger Lakes Sanitarians Association	Lary Duchaney	Chair	445-1597
IEEE - Institute of Electrical and Electronics Engineers	Mike Hayes	Chair	455-2000
IES - Illuminating Engineering Society	Chad Loomis	Pres.	476-8311
ISMC - International Society for Measurement & Control	Steve Burrell	Pres.	445-5555
LCSEAA - LC Smith Engineering Alumni Association	Kelly Thompson	Contact	678-2171
NSPE - National Society of Professional Engineers	Michael R. Hayes, P.E.	Pres	455 2000
NYSAPLS - NYS Assoc. of Professional Land Surveyors	Robert S. Green	Chair	428-4358
NYSATE - NYS Association of Transportation Engineers	Mary Clements	Pres.	428-4627
SAE - Society of Automotive Engineers	Angie Errico	Chair	432-4363
SAS - Syracuse Astronomical Society	Stu Foster	Pres.	492-9118
SBE - Society of Broadcast Engineers	Vincent Lopez	Pres.	472-6800
SFPE - Society of Fire Protection Engineers	Dennis McCarty	Pres.	716-599-4238
SME - Society of Manufacturing Engineers	Sam Waite	Chair	432-0700
SWE - Society of Women Engineers	Susan Weaver	Pres.	432-0506

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

Vol. 8 No 7

March 2006



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



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The Syracuse Section of the
National Society of Professional Engineers
www.CNYPE.org



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The Technology Alliance of Central New York
www.TACNY.org



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Syracuse Section - Syracuse, New York



Technologist

ONLINE NEWS

WASHINGTON (23 February 2006) -- IEEE-USA President Ralph W. Wyndrum Jr. will discuss Engineers Week (EWeek), and ways to enhance U.S. competitiveness and innovation on National Public Radio's "Science Friday" broadcast, Friday from 3 p.m. to 3:40 p.m. Go to http://www.sciencefriday.com/pages/2006/Feb/hour2_022406.html for more information.

C. Daniel Mote, president of the University of Maryland and co-author of the National Academies' report, "Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future"; and Patricia W. Garland, EWeek 2006 co-chair and the combined heat and power program manager for Oak Ridge (Tenn.) National Laboratory, are scheduled to join Wyndrum.

With host Ira Flatow, "Science Friday" airs from 2 to 4 p.m. To find a radio station in your area, or get a link to a live stream, go to www.sciencefriday.com.

IEEE LAUNCHES PHASE 1 OF REVAMPED WEB SITE

IEEE members and other visitors to <http://www.ieee.org> have likely noticed some changes since year end. The updates are the first of several planned enhancements to the organization web-site and are intended to make the site a more valuable resource for members, the technical profession, and the general public.

The initial updates, which are based on both user comments and Web site best practices, include:

- * Additional search capabilities; Users can search for IEEE content using the IEEE Web site, the entire Web (using Google) and the IEEE Xplore digital library database
- * Refreshed design, more reflective of the organization's diverse activities and audiences
- * Shorter, more user-friendly URLs
- * Migration toward a more streamlined navigation utilizing information portals and "What Do You Want to Do" options to help visitors locate content relevant to their interest area

As the first step in an iterative process, these enhancements will pave the way for ongoing improvements. The IEEE encourages visitors to take a tour of the revamped site (link from the "What Do You Want to Do?" Section of the IEEE Home Page at <http://www.ieee.org> and to continue to share feedback <http://www.ieee.org/web/services/general/feedback.html> as the site evolves.

IEEE CONTACT INFORMATION

IEEE Operations Center <http://www.ieee.org> 445 Hoes Lane Piscataway NJ 08855-0331

IEEE Regional Activities <http://www.ieee.org/ra> +1 732 562 5501 regional.activities@ieee.org

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.

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>](http://www.ieee.org/membership/coa.xml)

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

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/>

Message from the Chair – Mike Hayes, P.E.

We are soliciting nominations for several local awards, which will be presented at the Celebration of Technology Banquet on Monday, May 15, 2006. These include Engineer of the Year (must be a P.E.), Technologist of the Year, Young Technologist of the Year, College Technology of the Year, Lifetime Achievement Award, Technology Company of the Year, and Technology Project of the Year. Nominations will be due on “Tax Day”, April 17, 2006. The nomination forms and further information will probably be posted on the TACNY website (www.tacny.org) by the time you see this. Please nominate deserving individuals, companies, and projects for these awards.

The date, speaker, and topic for our annual Fellows Night are firm. The location is not firm. See the announcement elsewhere in this newsletter. The Section is heavily subsidizing this event to encourage attendance at our major event of the year since the actual cost is over \$25 per person. So please take advantage of this and attend what will be an interesting meeting while we recognize our Syracuse Section Fellows.

We’ve had meetings at the Genesee Grande for years. The Genesee Grande started charging a room rental fee of \$150 in addition to the charge for the dinners when they finished their renovations a few years ago. That frankly rubs me the wrong way. If they refuse to waive this fee, we will probably not have meetings there in the future.

As you’ve probably noticed, we have not planned Section activities several months in advance yet. We’re still working on that.

See the announcement for the 2006 Radar Conference elsewhere in the newsletter and on the event web site at <http://www.radar06.org>. The conference theme *Radar...Our Sight into a Spectrum of Information* emphasizes the increasingly wider spectrum of target and environmental information that is emerging from innovative radar research, systems technology, and component development for civilian, defense, and space applications.

Please feel free to contact me if you have any comments or suggestions at m.hayes@ieee.org or (315) 455-2000.

Date	Time	Sponsor	Location	Topic	Contact
6 Mar	Dinner 6:00 PM Presentation 6:30 PM	IEEE IAS/PES Chapter, IAEl, & NSPE	C&S Engineers	Motor Circuits, 2 PDH Speaker: Mike Hayes, P.E	Larry Kinne, 633- 0027, lar- rykinne@verizon.net
9 Mar	5:00 PM	ASCE, NSPE, TACNY, & Syra- cuse University	Syracuse Uni- versity, Link Hall, Room 369	Failures in New Or- leans Levee System 1 PDH Speaker: Dr. Gordon P. Boutwell, P.E.	Mrs. Mickey Hunter, 443-2311, mbhunter@syr.edu
10 Mar	Noon	IEEE Syracuse Section - open to all members	C&S Engineers	Section Executive Committee Meeting	Mike Hayes, PE, 455- 2000, mhayes@cscos.com.
7 Apr - ten- tative	Noon	IEEE Syracuse Section - open to all members	C&S Engineers	Section Executive Committee Meeting	Mike Hayes, PE, 455- 2000, mhayes@cscos.com.
20 Apr	Dinner 6:00 PM Presentation 7:00 PM	IEEE Syracuse Section	TBD	Magnetic Levitation Trains in Shanghai, China Speaker: Philip Holmer	Mike Hayes, PE, 455- 2000, mhayes@cscos.com.
24 ~ 27 Apr	See conference schedule	IEEE Aerospace & Electronics Systems Society; IEEE Mohawk Valley & Syracuse Sections	Turning Stone Casino & Re- sort Verona, NY	2006 IEEE Radar Con- ference	Scott Stumpf, srstumpf@ieee.org
15 May	Expo 12:30 PM Celebration of Technology 6:00 PM	IEEE, NSPE, TACNY, & many other professional groups	Holiday Inn, Liverpool	CNY Engineering Expo 4 PDH & Celebration of Technology Banquet	Mike Hayes, PE, 455- 2000, mhayes@cscos.com
18 – 20 Aug	8:00 AM	IEEE Region 1, hosted by Syra- cuse Section	Syracuse Uni- versity Shera- ton	Regional Board of Gov- ernors Meeting & Offi- cer Training	Don Herres, d.herres@ieee.org

International Association of Electrical Inspectors Empire Chapter IAEI

&



Syracuse Chapter
IEEE Industrial Applications/Power Engineering Societies
&



Central NY Chapter, NYS Society of Professional Engineers

National Electrical Code Requirements for Motor Circuits

Dates: Monday, March 6, 2006

Location: C&S Engineers
499 Col. Eileen Collins Blvd. (access road to Hancock Airport terminal)
Syracuse, NY

Schedule: 5:30 - 6:00 P.M. Registration
6:00 - 6:30 P.M. Light Meal
6:30 - 8:15 P.M. Presentation
8:15 - 8:30 P.M. Presentation and Code Q&A's

Cost: \$15 fee for pizza/soda

Instructor: Michael R. Hayes, P.E.

Reservations: Larry Kinne, Secretary/Treasurer Empire Chapter IAEI
Phone: 315.633.0027
Fax: 315.633.0027
Email: larrykinne@verizon.net

This presentation will cover 2005 National Electrical Code NEC requirements for motor circuits. Topics will include **overcurrent** protection for individual and multi-motor circuits, **overload** protection for motors, and motor feeder and branch circuit conductors.

This course is approved for 2.0 PDH for New York Professional Engineers.



FELLOWS NIGHT

Syracuse Section

Topic: Magnetic Levitation Trains in Shanghai, China

Speaker: Phillip Holmer, TITAN Prog Mgr, Civil Aviation Systems

Location: TBD

Date: Thursday, April 20, 2006

Time: 5:30 PM – Networking
6:00 PM – Dinner
7:00 PM - Networking

Cost: TBD

Reservations: Mike Hayes, 455-2000, mhayes@cscos.com, by April 18, 2006

Mr. Holmer had an article published in the August 2003 “IEEE Spectrum” about the magnetic levitation train system in Shanghai.

Abstract

China is throttling up a 430-km/h magnetically levitated train to link Shanghai and its airport. Built in China by a trio of German companies and the Shanghai Maglev Transportation Development Co., it reaches 430 km/h (268 mi/h)-130 km/h faster than Japan's famous bullet train. And even as it goes faster than any commercial vehicle without wings, the Chinese train is smoother and quieter than Amtrak's wheel-on-rail Acela-the state of the art in the United States-which pokes along when it can at a maximum 240 km/h. After many false starts and the completion of full-scale experimental maglev systems in Japan and Germany in the 1980s, maglev in China will finally start shuffling passengers in October in a reasonably large-scale, commercial system. The trains will run from downtown Shanghai's financial district to Pudong International Airport, making a 9-minute run that will shave about 40 minutes off the typical trip time in a taxi. With three five-car trains, each carrying as many as 574 passengers, and trains leaving every 10 minutes, the US \$1.2 billion system could carry more than 10 million passengers a year.



**INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
SYRACUSE SECTION**

SEEDS FOR SCIENCE

This program is designed to award local secondary school students who are working on their science project for science fair and/or for science Olympiad. Awarded money can only be used for purchasing components necessary for the project. We expect to give a number of awards (up to \$100 per project).

IEEE Syracuse section is taking this initiative to promote science and mathematics education among secondary school students.

All students from local schools participating in Science Fair and/or Science Olympiad are eligible.

Interested students should send name of the faculty sponsor; a brief description of the project along with an explanation for requested money. A committee will select winners. Decision of the committee is final.

Winners will receive a certificate and the award money. In addition their names will be published in the **Technologist**, a monthly newsletter of the Institute of Electrical and Electronics Engineer, Syracuse Section, the Technology Club of Syracuse, and the Central chapter NY State Society of Professional Engineers.

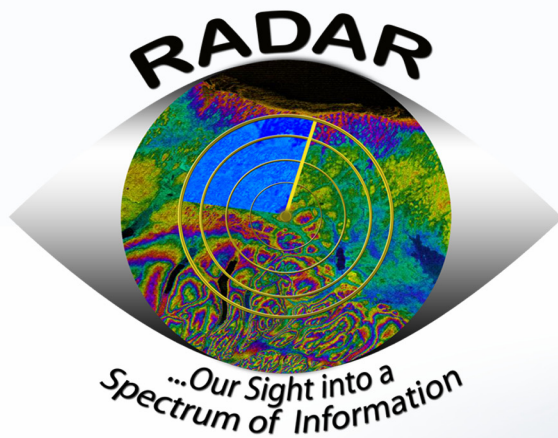
Application submission deadline: March 15, 2006.

Applications received after this date may be considered depending on the availability of funds.

All correspondence should be sent to:

Dr. Prasanta Ghosh
Educational Activities, IEEE Syracuse Section.
Syracuse University, EECS Dept., Link Hall
Syracuse, NY 13244
Tel: (315) 443 – 4440, Fax: (315) 443 - 4441
e-mail: pkgghosh@syr.edu

2006 IEEE Radar Conference



April 24 - 27, 2006

Turning Stone Resort
and Casino
Verona, NY USA

www.radar06.org

“Radar...Our Sight Into a Spectrum of Information,” Highlights the Connection Between Radar and Information. This Theme Provides an Interesting Perspective to Consider the Increasingly Wider Spectrum of Target and Environmental Information that has Evolved, Far Beyond the Original Capability to Detect the Target and Determine its Range, from Innovative Radar Research, Technology, and Component Development, for both Military and Civilian Applications.

For more information visit www.radar06.org



Sponsored by: Aerospace & Electronic Systems Society
Mohawk Valley IEEE Section
Syracuse IEEE Section

Logo background image courtesy NASA/JPL-Caltech.



LOCKHEED MARTIN EMPLOYEE RECEIVES INDUSTRY TOP TECHNICAL HONOR

SYRACUSE, NY, January 31, 2006 – Lockheed Martin employee Jim Day, of New Hartford, NY, has been named a Fellow by the Institute of Electrical and Electronics Engineers (IEEE). Day, who is the technical director of Lockheed Martin’s airborne radar programs, was named an IEEE Fellow “for leadership in space time adaptive processing for Navy airborne early warning radars.”

At Lockheed Martin, Day has led airborne early warning radar design and development programs for 22 years. In 2003, Day’s leadership was key to the Corporation receiving a \$413.5 million contract for the design and development phase of the next generation radar for the U.S. Navy’s Advanced Hawkeye airborne early warning aircraft. In 2004, Day was named a Lockheed Martin Fellow, a distinction that recognizes the top one percent of Corporation’s technical talent and individuals who are critical to sustaining Lockheed Martin’s leadership in advanced technologies. That same year, Day also received a NOVA Award for Technical Excellence, Lockheed Martin’s highest recognition for individual and team achievements.

Day has served as the chair of the Radar System Panel of the IEEE’s Aerospace and Electronic Systems Society since January 2003.

“The IEEE has confirmed what we knew all along at Lockheed Martin – that Jim Day is an extremely valuable contributor to the aerospace industry,” said Fred Moosally, president, Lockheed Martin MS2. “His advice is sought after by both industry colleagues and our own radar customers.”

A leading authority on aerospace systems, computers, telecommunications and other technology areas, the IEEE bestows the prestigious honor of Fellow upon a very limited number of Senior Members who have made outstanding contributions to the electrical and information technologies and sciences for the benefit of humanity and the profession. This year, 271 new Fellows were elected – less than one-tenth of one percent of the total IEEE voting membership. Day is one of three Lockheed Martin employees who were chosen for this honor.

Headquartered in Bethesda, MD, Lockheed Martin employs about 135,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services

4 topics to choose from in 9 locations so you can earn 28 professional development hours by summer! each session is worth 7 pdhs



Now accepting Registrations for the Spring '06 Sessions

Engineering Excellence Required; Mediocrity Unacceptable

March 31st (Albany)
April 6th (NYC)

Structural Failures that Changed Engineering and Architecture

April 25th (NYC)
April 26th (Buffalo)
April 28th (Turning Stone Resort)

Design Professionals – GIS and CAD

May 10th (Albany)
May 11th (NYC)

Expert Witness Testimony – Forensic Investigation

May 16th (NYC)
May 17th (Syracuse)

REGISTRATION FEES:

On or Before March 1
\$200 per person per program
(Lunch included)

After March 1
\$250 per person per program
(Lunch included)

Call idp today for more information or to register – (315)682-1496 or visit our website, www.idpnewyork.com



registered provider

**CENTRAL CHAPTER
NY STATE SOCIETY OF PROFESSIONAL ENGINEERS
NEWSLETTER**

MARCH 2006

President's Message - Mike Hayes, PE

We are deviating from our planned schedule and having what I think will be a very interesting presentation on March 9, 2006, jointly sponsored by ASCE, Syracuse University, and TACNY. Dr. Gordon Boutwell, a geotechnical engineer in Louisiana and Mississippi for over 40 years will review the failure of the levee system in New Orleans as result of Hurricane Katrina. Even better, 1 PDH will be offered. I expect this to be a popular meeting, so please reserve early. See the details below. My thanks to ASCE and SU for letting us participate in this event.

There is an another PDH opportunity in March. Yours truly will discuss National Electrical Code requirements for motor circuits on March 6, 2006 at C&S Engineers. See the IEEE Section of the newsletter for more details. Listening to an electrical engineer talk about motor circuits will no doubt induce yawns, but at least you'll get 2 PDHs. The only catch is you have to stay awake!

We continue to work on the programs for the Mini-Expo on May 15, 2006 at the Holiday Inn in Liverpool. The speakers should be confirmed by early March. Details will be posted on the www.cnype.org web site as soon as they are available. Four PDHs will be available. The cost will be \$65, which includes the Celebration of Technology Banquet.

I want to solicit nominations for awards for the Central New York Engineer of the Year. The award will be presented at the Celebration of Technology Banquet. The nomination form will be posted on our www.cnype.org web site as soon as it's available. Any P.E. who lives or practices in our Chapter's area (Cayuga, Cortland, Madison, Onondaga, or Oswego counties) can be nominated.

As a reminder, in addition to our PDH lunch, we're having a joint meeting with ACEC on April 25, 2006. Edward A. Bogucz, Jr., Ph.D., Executive Director of the Syracuse Center of Excellence in Environmental and Energy Systems will discuss the Syracuse Center of Excellence. Their web site is at: <http://coees.internetconsult.com/overview/>. We'll have more details next month.

We are seriously considering switching from a printed newsletter to an email newsletter as many other professional groups are doing. We will continue to be part of the Technologist through June 2006. If we switch, the email version of the newsletter will start in September. We don't have email addresses for about 25% of our members. I assume that's either because you didn't give the email address to NSPE or you don't have email at all. We don't want to leave anyone out, so please send me an email at m.hayes@ieee.org or call me at 455-2000 if you have any comments or questions.

Finally, we are soliciting nominees for officers and directors for your chapter. All positions are open. **Please** send your nominations to me. Any P.E. member is eligible. All we need is the individual's contact information and a willingness to serve. We have an excellent board, and many members have served for years. However, any organization needs "new blood" to be viable for the long term. information on our web site.

Send me an email at m.hayes@ieee.org or call me at 455-2000 if you have any comments or questions

**Syracuse University Department of Civil and Environmental Engineering
American Society of Civil Engineers Syracuse Section
Central NY Chapter NY State Society of Professional Engineers
and the Technology Alliance of Central New York
Present**

Failures in the New Orleans Levee System: Hurricane Katrina, 2005

By: Dr. Gordon P. Boutwell, P.E.

Between 0500 and 1030 on August 29, 2005, Hurricane Katrina caused the biggest civil engineering failure in US history- Failure of the Levee System. This presentation will describe the levee system and walk us through the sequence of failure and flooding. Dr. Boutwell will also present ideas for better design of the levee system.

This presentation will qualify for 1.0 PDH for NY Professional Engineers. Fee for PDH: \$10. Pizza and soda provided at no cost.

Dr. Boutwell has been a consulting geotechnical engineer in Louisiana and Mississippi for over 40 years, and is President of Soil Testing Engineers, Inc. in Baton Rouge, LA. Dr. Boutwell is a member of the ASCE Levee Assessment Team and coauthor of the ASCE/NSF report of the Failure of the New Orleans Levee System.

Date: March 9, 2006
Time: 5:00 pm-6:15pm
Location: 369 Link Hall, Syracuse University
Parking: Please contact Mrs. Mickey Hunter (mbhunter@syr.edu,

Tel: 443-2311) by March 3, 2006.

SPACE IS LIMITED



Calendar

Date/Time	Topic	Speaker	Location	Cost	Contact
3/6/06	Motor Circuits 2 PDH	Mike Hayes, P.E.	C&S Engineers	\$15	Larry Kinne, 633-0027, larrykinne@verizon.net
3/9/06	Failures in New Orleans Levee System 1 PDH	Dr. Gordon P. Boutwell, P.E.	Syracuse University., Link Hall, Room 369	\$10	Mrs. Mickey Hunter, 443-2311, mbhunter@syr.ed
4/18/06	TBD	TBD	TBD	TBD	Fifth in series of "PDH" luncheons. Date is ten-
4/25/06	Syracuse Center for Excellence	Edward A. Bogucz, Jr., Ph.D., Executive Director	Wyndham Hotel	\$15	Mike Hayes, PE, 455-2000, mhayes@cscos.com.
5/15/06	TBD	TBD	Holiday Inn, Liverpool	TBD	Mini-Expo & Celebration of Technology Banquet. Date & lo-
6/13/06	TBD	TBD	TBD	TBD	Sixth in series of "PDH" luncheons. Date is ten-
9/19/06	TBD	TBD	TBD		Seventh in series of "PDH" luncheons. Date is ten-
Oct 06	Getting Licensed in NY	Jane Blair, P.E. (tentative)	Syracuse University., Link Hall, Room 369 (tentative)	TBD	Mike Hayes, PE, 455-2000, mhayes@cscos.com.
10/17/06	TBD	TBD	TBD		Eighth in series of "PDH" luncheons. Date is ten-
11/6/06	TBD 6 PDH	TBD	Holiday Inn, Liverpool	TBD	2006 CNY Engineering Expo Date & location

SCHOLARSHIPS

Each year the Central New York Chapter of the New York State Society of Professional Engineers (CNYSSPE) awards scholarships to worthy High School Seniors who will be going to college in an engineering or technical discipline. These young people are judged by an impartial algorithm based on their academic background, scholastic achievements and SAT scores. We are actively soliciting donations from local firms and individuals to support the scholarship fund. Public attribution and appreciation will be publicly expressed in all news releases, The Technologist newsletter and at the annual “Celebration of Technology” dinner. For additional information please contact Carl Fahrenkrug, carl-f@microwavefilter.com, 438 4722

Thank you in advance for your generosity. Together we can encourage more Central New York young people to choose engineering as a career. Your donation check should be made out to the CNYSSPE Scholarship Fund and sent to:

CNYSSPE c/o Microwave Filter Company, Inc.
6743 Kinne Street
East Syracuse, New York 13057
ATTN: Nancy Young

THANK YOU

We continue to seek donations for your Chapter’s Scholarship Fund. The fund is supported by contributions from firms and individuals who take an active interest in the future of our profession. Current contributors include:

- • Associated Builders & Contractors
- • Blasland, Bouck and Lee
- • C&S Engineers Inc.
- • Clough Harbour
- • Klepper Hahn & Hyatt, PC
- • Microwave Filter
- • Ram-Tech
- • Stearns & Wheler
- • Syracuse Research Corporation.
- • Syracuse Thermal Products
- • Watkins Environmental Sciences, P.E., P.C.

CENTRAL NEW YORK AND UTICA ROME SCHOOLS ADVANCE IN MATHCOUNTS

Manlius Pebble Hill, Syracuse Academy of Science, and Oneida City - Otto Shortell Middle School all advanced in active competition for the New York State Championship. In addition, individuals George Wong and Maureen Carey from Onondaga Hill earned eligibility to compete.

Ralph Perry MS (New Hartford), Clinton, and Holland Patent from the Utica Rome area also will be participating in the New York State Championship with individuals Michael Eisinger from Sauquoit, and Lewis Butchko from Illion eligible to compete.

WEBSITE

There are a number of events, schedules and dates in this newsletter. Unfortunately the slowness of the printed word keeps it at least 3 weeks behind your receipt. To keep current right up to the event, go to our website at <http://www.cnype.org> . The site is as up to date as we can make it. **Check it today for current EXPO schedule and registration forms!**

BOARD OF DIRECTORS MEETINGS

NSPE members are most cordially invited to attend all board meetings. Those wishing to attend should contact Mike Hayes: (315) 455-2000 ext. 4384; mhayes@cscos.com to confirm time and date.

Officers 2005-2006

President	
Howie Hollander	456-6287
First Vice President	
Mary Reidy P.E.	428-5326
Second Vice President	
Michael R. Hayes P.E.	455-2000
Secretary	
Michael Masingale	445-4108
Treasurer	
Susan Weaver P.E.	457-5200
Past President	
Albert A. Brandenburg	234-3725
Technologist Editor	
William Busher	434-1242
Web Page Editor	
Marjory Baruch	637-0033
Teacher Awards Chair	
Dr. Vernon A. Tryon	343-9692

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
pastpresident@tacny.org
membership@tacny.org
technologist@tacny.org
webmaster@tacny.org
teacherawards@tacny.org
jr.cafe@tacny.org

Website of the Month

<http://www.wam.umd.edu/~mlhall/teaching.html>

Teaching with Electronic Technology

The World Wide Web sites collected on this page reflect the considerable variety of uses for computing and related forms of electronic technology in teaching.

They are arranged in no strict order, but tend to proceed from rather general and theoretical resources to some instructive examples of specific applications of technology to teaching and learning.

Failures in the New Orleans Levee System: Hurricane Katrina, 2005

This presentation is scheduled for March 9, 2006, and is jointly sponsored by ASCE, Syracuse University, and TACNY. We will be hearing from Dr. Gordon Boutwell, P.E., an expert about the failure of the levee system in New Orleans as result of Hurricane Katrina. Even better, 1 PDH will be offered. This will probably be a popular meeting, so please reserve early. Details can be found in the NSPE section of this newsletter. Thanks to ASCE and SU for letting us participate in this event.

Dr. Eugenie C. Scott to Speak March 30th.

Dr. Eugenie C. Scott is Executive Director of the National Center for Science Education, Inc., a not for profit membership organization of scientists, teachers, and others that works to improve the teaching of evolution, and of science as a way of knowing. It opposes the advocacy of "scientific" creationism and other religious-based views in science classes.

She will be speaking in the Whitney Bldg. Auditorium, on the OCC campus, March 30th from 5 to 7 pm.

Dr. Scott's honors include the Isaac Asimov Science Award, the Bruce Alberts Award from the American Humanist Association, the First Amendment Award from the Playboy Foundation, and the James Randi Award from the Skeptic Society.

For additional info: programs@tacny.org

May 5th 18th Annual Teacher Awards Dinner

Come and have a great evening at the Ramada Inn on Buckley Rd., celebrating the hard work of our teachers and catching up with your fellow technologists! Dinner price \$21-\$25 (Varies with menu choice), reduced prices for students. The starting time is 6:00 p.m.

Contact Information: TeacherAwards@tacny.org, or call Vernon Tryon at 315-343-9692

May 15th 8th Annual Celebration of Technology Awards Banquet

TACNY 8th Annual Celebration of Technology Awards Banquet will be held on Monday, May 15th, 2006 at the Holiday Inn on Electronics Parkway.

The awards banquet serves the purpose of highlighting the technical achievements of organizations and individuals in the area and celebrates the role that technology provides for improving the quality of life.

Keynote speaker will be Dr. Warren Allmon, Director of the Museum of the Earth, in Ithaca. Details will be in the April newsletter.


March 28th Air Pollution and the Californian Wildfires: An Insidious Link

Speaker: Dr. Nancy Grulke, Plant Ecophysiologicalist, Pacific Southwest Research Station Forest Fire Laboratory, Riverside, CA

The program will start at 4:00 p.m. in 140 Baker Lab, SUNY-ESF. The talk is free. Contact:

Heather Engelman

 engelma@syr.edu

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Alien Invaders!!!

What Happens When Invasive Species Take Over New York State?

with **Brent Boscarino**
Cornell University

Junior Café Scientifique is an interactive talk for kids in grades 6-12 in Central New York. Modeled after the International Café Scientifique (www.cafescientifique.org), this program features a brief talk by our guest speaker on a current science, mathematics, engineering or technology topic. Following the talk, there will be an opportunity for group questions and discussion.

Parents and children are welcome to attend. A snack and a chance to tour the museum are also included in the free program.
RSVP by calling the MOST at 425-9068, x2121.

Saturday, March 18
9:30 – 11 am

at the

Milton J. Rubenstein **MUSEUM OF SCIENCE & TECHNOLOGY**
500 South Franklin Street, Syracuse



Sponsored by:



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CNY Rocket Team Challenge 2006

Spring Competition for Middle and High School Students
in Alliance with National Space Day

Organized by:

College of Engineering and Computer Science (ECS)
Milton J. Rubenstein Museum of Science & Technology (MOST)
and Technology Alliance of Central New York (TACNY)

Dates:

Informational Meeting and Materials Pick-Up: Tuesday, March 14 at 3:30 p.m.
First Launch: Saturday, April 29 at 9 a.m.
Team Presentations: Space Day, Thursday, May 4 at 3:30 p.m.
Final Launch: Saturday, June 3 at 9 a.m.

Two Divisions:

Middle School (7th and 8th grades) and High School (9th through 12th grades)

Sign up to design, build and fly a high-power rocket. Your school will receive materials, rocket simulation software and training to build a rocket capable of lifting an electronic payload with "eggstronaut" to peak altitudes between 200 and 400 meters. The college will host a general informational meeting March 14 at the MOST, where we will distribute materials to school teams and associated school instructors. Each rocket will carry a video and audio acquisition device with real time transmission back to the launch site, and a high speed digital altitude recorder.

The school teams design and build their rockets prior to a test flight at S.U.'s Skytop Field on the Saturday preceding National Space Day, present initial results on Space Day at the MOST, and ready for final flight on Saturday, June 3 also at Skytop.

Criteria for competition and judging of the rocket teams includes:

- 1) Aesthetic look of the rocket,
- 2) Student presentation, which incorporates relevant technical knowledge,
- 3) A successful flight,
- 4) Successful "eggstronaut" payload recovery, and
- 5) Precision in estimating the apogee of your rocket.

College faculty will judge and present awards to the winning teams. All team members will receive certificates of participation and the three top teams in each of the two divisions will receive school plaques.

Participants in the CNY Rocket Team Challenge will experience team work and computer design; learn the fundamentals of rocket science with components of electrical, mechanical and chemical engineering; and experience the thrill and exhilaration of high power rocketry!

School teams should consist of five or more students.

Contact: Peter Plumley, MOST, pplumley@most.org or 315.425.9068 x2163.



*Support the teaching of
Technology and Pre-Engineering
in our public schools!*

Program
“The Essence of Ethics”
7:00pm

You are cordially invited to attend the
First Annual NYSTE A
Scholarship Banquet

\$40.00 per person

Proceeds to benefit the
NYSTE A Scholarship Fund

Friday
March 31, 2006

at the
University Sheraton
801 University Avenue
Syracuse, New York

Cocktails 5:00 ~ 6:00pm

featuring the
**John Betsey/Marcus Curry Jazz and
Blues Duo**

Dinner 6:00 ~ 7:00pm

Steven J. Betza, Director
Engineering Leadership Development
Lockheed Martin Systems Integration
Owego, New York

Mr. Betza earned a BSEE with Highest Distinction from Penn State in 1982, and he was named a PSU Outstanding Engineering Alumnus in 2002. He is a member of the Ethics Officer Association (EOA), the Institute of Electrical and Electronic Engineers (IEEE) and the American Society for Quality (ASQ). Mr. Betza also serves on the Board of Trustees and the Board of Directors for the Guthrie Healthcare System in Sayre, PA and the National Advisory Committee for the National Science Olympiad, a K-12 science competition with over 14,000 participating schools across the United States.

To order your tickets please RSVP to

Thomas A. Frawley
NYSTE A
2584 County Route 57
Fulton, New York 13069-4200
(315) 592-5791

<< **tfrawley44@aol.com** >>

Ticket orders must be received prior to March 24, 2006

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Technologist Contact Information

Editor (also IEEE)	Brian O'Hern	697-2352	b.ohern@ieee.org
President IEEE	Michael R. Hayes, P.E.	455-2000	mhayes@cscos.com
President TACNY	Howie Hollander	456-6287	hollander@tacny.org
President NSPE	Michael R. Hayes, P.E.	455-2000	mhayes@cscos.com
Editor TACNY	Bill Busher	434-1242	Bill.Busher@inficon.com
Editor NSPE	Dick Simberg	245-4661	NBDICK@hotmail.com

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