

# Technologist

Includes information for the Syracuse Sections of the IEEE, NSPE, and the CNYAPG.

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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
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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.

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### The Syracuse Section of the Institute of Electrical and Electronics Engineers [www.ewh.ieee.org/r1/syracuse](http://www.ewh.ieee.org/r1/syracuse)



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### The Syracuse Section of the National Society of Professional Engineers [www.CNYPE.org](http://www.CNYPE.org)



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### The Central New York Association of Professional Geologists [www.CNYAPG.org](http://www.CNYAPG.org)



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### The Technology Alliance of Central New York [www.TACNY.org](http://www.TACNY.org)



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# News and Events

Syracuse Section - Syracuse, New York

November 12	8:30 - 5:00	IEEE Rochester Section AES/COM	Golisano Auditorium, RIT Rochester, NY	<a href="#">1st IEEE Upstate NY Workshop on Communications and Networking</a>	Wendi Heinzelman ( <a href="mailto:wheinz@ece.rochester.edu">wheinz@ece.rochester.edu</a> )
November 15	8 AM - 5 M	IEEE & ASCE, NSPE, ASME	Holiday Inn Liverpool, NY	CNY Engineering Expo 2004	Mike Hayes ( <a href="mailto:m.haves@ieee.org">m.haves@ieee.org</a> )
November 16	9AM-12PM	IEEE/LM	Cayuga Community Col- lege	Field Trip to IAGT	call 469-3751, Ed Heinzerling or 458- 0082, George Kirkpatrick

## IEEE Syracuse Section & IAS/PES Chapter Meetings

Date	Speaker/Topic	Sponsor
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
3/10/2005	Celebration of Technology Banquet - Mars	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](mailto: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>>

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/>



*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

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**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](mailto: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](http://www.cs.ucf.edu/~jlee/www-scp/html/road_map.html)



IEEE

## The Institute Online

1. New Book Explores Life After Engineering School "In school, you learn the science and apply the equations," says IEEE author Carl Selinger. "But there's plenty more to a successful engineering career than that." Selinger's new book, *Stuff You Don't Learn in Engineering School: Skills for Success in the Real World* is meant as a guide to all the rest--the nontechnical, real-world skills that engineers need to better manage their lives and careers.

2. IEEE Engages in "History-Making" Intersociety Cooperation What began almost a decade ago as a promise to hold regular meetings has flourished into a close intersociety collaboration -- perhaps the first of its kind between historians at opposite ends of the globe -- to record the contributions made throughout the world to electrical technology.

3. Marketplace of Ideas: Is Being "Always On" a Good Thing? Business travelers on flights will soon be able to log onto their office computer networks, and technology may soon allow cellphones to be used onboard as well. Do you think 24/7 connection would be good or not? Would it improve workers' productivity? Weigh in at <<mailto:institute@ieee.org>>

4. Time to Renew Your 2005 Membership Renewal notices for the 2005 membership year are in the mail, and the 2005 Online Renewal site is now open at <<http://www.ieee.org/renewal>>.

5. Shipping Service Merges With Larger Carrier Airborne Express, the vendor for the IEEE's discount shipping program, has been absorbed by its larger competitor, DHL. Through the enlarged company, IEEE members now have access to more domestic and international services for air freight, ocean and rail cargo, and shipments to warehouses.

6. Magazines Win Eight Editorial and Design Awards Three IEEE magazines recently won awards for their editorial content and design. IEEE Spectrum received six awards, while IEEE Power and Energy and IEEE Control Systems received one each.

7. Conference Explores Ethics and Energy Industry Nobel laureate in economics Vernon Smith and U.S. Federal Energy Regulatory Commission Chairman Pat Wood III will be the featured speakers at a conference that explores ethical, market, and regulatory issues in the electric and gas utility industries. The event, being held on 28-29 October at the University of Notre Dame in Indiana, USA, is cosponsored by IEEE-USA. To register, visit <<http://www.ieeeusa.org/releases/2004/070204ma.html>>

**MEETING NOTICE -- Life Members  
Institute of Electrical & Electronic Engineers, Syracuse Section  
IEEE/LM, all Section Members, Spouses and Guests**

When: Tuesday, November 16, 2004

FIELD TRIP: To IAGT (Institute for Application of Geospacial Technology)  
at Cayuga Community College, Auburn, NY

On Tuesday November 16, 2004 at 10:00, IAGT will host a meeting of the IEEE Life Member group at its Auburn, NY facility, on the campus of Cayuga Community College in the James T. Walsh Regional Economic Center. An overview of the organization and its mission will be presented, and a technical presentation will be offered which demonstrates how IAGT is applying the integration of GIT technologies in a 3-dimensional, interactive visualization environment focused on water resource management, agricultural efficiency, emergency management and other environmental applications.

Host & Speaker: Dana J. Piwinski, Chief Operating Officer of IAGT

Date/Time: Tuesday, Nov. 16, 2004 meet @ 8:45 AM at GSBIC (see below)

TRANSPORTATION: (Carpool) We will meet at the Greater Syracuse Business Center, 1201 E Fayette Street, and leave at 9:00 AM by carpool for Auburn. NY -- the meeting will start at 10:00 AM at IAGT in Auburn.

Our usual Coffee, tea & doughnuts (at IAGT) and a lunch stop will be made on the way back to Syracuse.

Questions: call 469-3751, Ed Heinzerling  
or 458-0082, George Kirkpatrick

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

**NEWSLETTER**

**NOVEMBER, 2004**

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

**Did you know that, if you are renewing your NYS PE registration after Jan 1 of next year, you will need to show 12 professional development hours accumulated since the start of 2004?** For each month after January an additional hour is required (For details of this and other PE requirements see the NY PE LAW & REG link on [www.cnype.org](http://www.cnype.org)). You can pick up 6 of those hours our one-day seminar on Monday, November 15, 2004 (Engineering Expo 2004) at the Holiday Inn on Electronics Parkway in Liverpool. There will be multiple tracks for the various engineering disciplines. 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. 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 at [www.cnype.org](http://www.cnype.org)).**

**TOUR VERISON WITH IEEE**

Mark your calendar for November 30 at 6pm. More information will be forthcoming and will be posted on [www.cnype.org](http://www.cnype.org) as soon as available. Also see the IEEE portion of this publication.

**SCHOLARSHIP AVAILABLE**

The Foundation for Engineering Education - Past Officers Scholarship is again available. This \$2,000 scholarship is awarded to a high school senior who is the child of a NYSSPE member. Applications are available on our website ([www.cnype.org](http://www.cnype.org)) and are the same as those used for our Chapter scholarships. Applications must be received no later than December 10, 2004 and should be sent to:

Timothy Taber, PE  
Scholarship Chairman  
Stearns & Wheler, LLC  
One Remington Park Drive  
Cazenovia, NY 13035

For further information, please contact Tim Taber (655-8161), [tptaber@stearnswheler.com](mailto:tptaber@stearnswheler.com)

## **MATHCOUNTS - WE NEED YOUR HELP**

This is the time of the year when we send notices of our Mathcounts competition to middle schools throughout the Central New York area. Unfortunately those notices are often mis-routed or ignored within the school administrations. You can help by contacting your local middle school to see if they have an interest and then referring them to Andrew Watkins, P.E. (315)446-4764, [awatkins3@juno.com](mailto:awatkins3@juno.com) for details. Thank you.

## **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:

- 
- Blasland, Bouck and Lee
- C&S Engineers Inc.
- Clough Harbour
- Klepper Hahn & Hyatt, PC
- Microwave Filter
- 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](mailto:carl-f@microwavefilter.com), 438 4722.

## **WEBSITE**

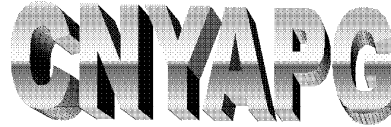
Check us out at <http://www.cnype.org/>. The site is kept up to date and includes the latest on meetings, continuing education and other details of our many professional activities. **IT INCLUDES A COMPLETE AND UPDATED SECTION ON CPC.** As with everything else concerning your Society, your comments are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

## 2004 - 2005 CENTRAL CHAPTER BOARD OF DIRECTORS

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Director	Mr	Ravi		Raman	PE	(315)463-7716	(315)463-7758	rraman@ramtechengineers.com
Director	Mr	Richard		Simberg	PE (ret)	(315)245-4661		nbdick@hotmail.com

### 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.



**"Dead Sea Lake Level Variations: Implications to Late Holocene Regional  
Climates and Historical Cultures"**

**Presented by Dr. Revital Bookman**

**November 18, 2004**

**Abstract:** The late Holocene Dead Sea lake levels were reconstructed based on direct level indicators, depositional environments, and radiocarbon ages from exposures along the shores of the lake. In these exposures, buried shore ridges, sand, and aragonite crusts recorded absolute past shores in the last ~4 ka.

The lake fluctuated within an elevation range of 390 to 415 m below sea level (mbsl). Most of the time the lake was confined to the deeper northern sub-basin and did not rise above the topographic sill (~402 mbsl) separating the northern and southern sub-basins of the lake. Level rises occurred in the 1<sup>st</sup> century BC and the 4<sup>th</sup> century AD (the Roman and early Byzantine periods), in the 11<sup>th</sup>-12<sup>th</sup> century AD (the crusader period) and at the end of the 19<sup>th</sup> century AD. The curve also indicates drastic drops that exposed the sediments to erosion. The oldest and probably deepest drop in the lake culminated during the 15<sup>th</sup>-14<sup>th</sup> century BC after a retreat from a higher lake stand. Another significant drop occurred after the Byzantine period and continued until the 10<sup>th</sup> century AD.

Since the Dead Sea is a terminal lake, it is very sensitive to hydrological variations in its catchment. Its level fluctuations represent the regional climate variability. A quantitative analysis using the modern (last 150 years) instrumentally measured record of natural lake levels and the annual precipitation in Jerusalem were used to estimate that rising levels are associated with 648 mm/yr of precipitation, drops with 445 mm/yr, and stable levels with 553 mm/yr – all with a uniform standard deviation of ~120 mm/yr. As Jerusalem rainfall is highly correlated with many rain stations in northern Israel these conclusions can be extended to larger areas in the Levant, which are under the same weather systems.

These results indicate that lake level rises mark a significant positive change in the annual rainfall in the

region that may be related to the flourishing in demography and agriculture during the Roman and Byzantine periods, and to the Frankish farm development during the Crusader period. The water level drops point to prolonged droughts with occurrences of annual precipitation less than 400 mm/yr in Jerusalem. The arid conditions pointed by the low stands around the 7<sup>th</sup> century AD coincide in time with the invasion of Moslem-Arab tribes into the area. Although other historical factors could have been connected, the coincidence with the arid conditions is noteworthy.

October's presentation is by Dr. Revital Bookman of Syracuse University. She holds a Ph.D. in geology from the Hebrew University of Jerusalem. Her dissertation was on "Late Holocene lake levels and paleoseismology in the Dead Sea Basin." She is now a post-doctoral researcher studying the limnological characteristics of and contaminants in central New York lakes. Additionally, she is setting up a Pb-210 dating laboratory for reconstructing lake sediment chronology in the Seneca River system.

**Meeting logistics:** The meeting will take place on Thursday, November 18 at the Ramada Inn (1305 Buckley Road, North Syracuse). A social hour will be held at the hotel from 5:30 p.m. to 6:30 p.m., followed by a buffet dinner. The dinner will start at 6:30 p.m. and our featured speaker, Dr. Revital Bookman of Syracuse University will begin her presentation at 7:30 p.m. The cost of dinner is \$20 for members, \$22 for non-members, and \$15 for student members. People may also attend only the presentation for a nominal fee of \$3. Please RSVP by Monday, November 8, 2004 to Bonnie at Parratt-Wolff via e-mail at [bolney@pwinc.com](mailto:bolney@pwinc.com) or 437-1429.



**Our President's Voice –**

It is hard not to be amazed standing at the top of Mount St Helens looking to the north over the blast zone, tracing the surface rupture of a recent strike slip earthquake in the Salton Trough, or looking across the valley at the slide face of the Gros Ventre slide. But even the smaller scale geologic features such as flame structures in a turbidite sequence, the contact zone of an intrusive dike, or the texture and fossils in the stone walls of buildings can catch my attention. And plate tectonics still grabs my imagination.

I enjoy geology. I look at geology when I am not working. I even look at geology when I am on vacation. Not all day every day, but it has been a rare vacation when I have not paid attention to some geologic feature. A couple of months ago I had the opportunity to hike in Bandolier National Monument, New Mexico. It was a good hike, some lovely waterfalls and flowers, and geology. But I chose that trail because it traversed a cross section of an old volcano. I saw lava flows, maar deposits, ash and cinders that were deposited in the lake in the crater. Drives through the Central New York countryside reveals glacially derived morphology, and outcrops with their own stories. I once took a group of Cub Scouts on a tour of downtown Marcellus looking at the rocks and fossils exposed in the walls of the buildings. Geology is everywhere.

My enjoyment of geology is the main reason I choose geology as a career and it continues to sustain my interest after 20 years in consulting. Yes the paycheck helps, but I consider that due me for putting up with the business, managerial, and political aspects of my job. I would like to suggest that as a practicing scientist, how you feel about geology (or whatever science you practice in your job) is going to show in your job performance, your long-term feelings about your career, and even your enjoyment of life. If you enjoy geology and have a passion for the science, then you will grow your expertise and find the fun in the work. A fun job can make for a happier life.

So why am I bringing this up. Well pretty much all of us need to have a job to provide income to allow us to raise a family, do fun things, to eat. But having a job is different from enjoying a job. One does not typically become a geologist because it is a path to riches, so it is likely that you also chose a career in geology because it was interesting. If you still find the fun in geology that is great. If your job is no longer fun, look for ways to

reinvigorate the fun you previously had with geology. Life is too short to put up with a job just to have fun on the weekend.

Guy Swenson  
President

The 2004 - 2005 Board of Directors are as follows:

- Guy Swenson - [swensoga@obg.com](mailto:swensoga@obg.com)
- Jeff McKenzie - [jmmckenz@syr.edu](mailto:jmmckenz@syr.edu)
- Karen Cahill - [kacahill@gw.dec.state.ny.us](mailto:kacahill@gw.dec.state.ny.us)
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- Kieran Hosey - [khosey@gesonline.com](mailto:khosey@gesonline.com)
- Nathan Pratt - [npratt@gesonline.com](mailto: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](http://www.cnyapg.org)! Membership is only \$25 per year and all money received is used for these newsletters and our monthly meetings.

# Calendar

**Future programming** – CNYAPG is lining up some great programs for 2005. 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](mailto:jmmckenz@syr.edu) 569-6074) or Guy Swenson ([swensoga@obg.com](mailto:swensoga@obg.com) 437-6100).

November 14, 2004	CNYAPG Monthly Dinner Meeting..
<a href="http://www.hmpga.org">www.hmpga.org</a>	Hudson-Mohawk Professional Geologists' Association has monthly meetings with speakers. Check their website for the schedule.
<a href="http://www.bapg.org/">http://www.bapg.org/</a>	The Buffalo Association of Professional Geologists has monthly meetings with speakers. Check their website for the schedule.
April 28, 2005	CNYAPG Symposium: Isotopic Geochemistry
May 12, 2005	Rosamand Gifford Lecture Series: Simon Winchester (Author and geologist). Author of Krakatoa: The Day the World Exploded; The Map that Changed the World. OnCenter 315 435-2121

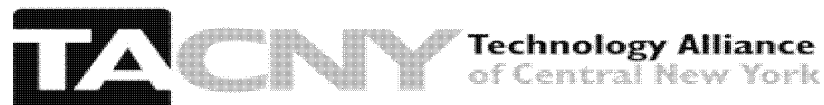
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A different CNYAPG sponsor's ad will be posted in each issue of the Technologist. For more information regarding CNYAPG, please contact Guy Swenson, President (315.437-6100) or [swensoga@obg.com](mailto:swensoga@obg.com)



## Officers 2004-2005

<b>President</b>	Albert A. Brandenburg	453-4545x258
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<b>Web Page Editor</b>	Marjory Baruch	637-0033
<b>Teacher Awards Chair</b>	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](mailto:president@tacny.org)  
[programs@tacny.org](mailto:programs@tacny.org)  
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[webmaster@tacny.org](mailto:webmaster@tacny.org)  
[teacherawards@tacny.org](mailto:teacherawards@tacny.org)

## Websites of the Month

Windows Problems?

The main goal of this site is to provide clear, accurate and easy to understand information regarding 95/98/ME/2000/XP:  
<http://www.onecomputerguy.com/>

Nanotechnology is an umbrella term that covers many areas of research dealing with objects that are measured in nanometers. A nanometer (nm) is a billionth of a meter, or a millionth of a millimeter. At this site, learn how nanomachines will manufacture products, and what impact nanotechnology will have on various industries in the coming decades. Go to:  
<http://www.howstuffworks.com/nanotechnology.htm/printable>

## Sweet Lecture Series

- Over the next few months, topics will include "Biotechnology in Medicine" and a tour of the Rothschild Patent Model Museum in Cazenovia.

Watch future issues of the *Technologist*, and the TACNY website ([www.tacny.org](http://www.tacny.org)) for schedule updates and details.

## Organizational Spotlight



**Association for  
Computing Machinery**

**Promoting Technical Awareness and  
Professionalism in the Computing  
Community of Central New York**

ACM Syracuse Chapter  
Post Office Box 6154  
Syracuse, New York 13217

Allison Smith  
Information Systems Staffing, Inc.  
Phone: 315/449-1838

Upcoming event:

December 8, 2004 (Wednesday)

## HOLIDAY EVENT – GADGET NIGHT

Back by popular demand – Gadget Night! A number of companies will be joining us to demonstrate a few of their most popular gadgets produced for kids and adults. This is an excellent opportunity to explore potential holiday gifts or learn more about technology options for 2005 and beyond. There will be a variety of vendors to demonstrate their wireless wares. Throughout the evening there will be plenty of time to network and spread holiday cheer!

**Location of meeting:** Holiday Inn @ Carrier Circle

## Organizational Spotlight (cont.)



**Knowledge for Creating & Sustaining the Built Environment**  
CSINet - Home of The Construction Specifications Institute

CSI's mission is unique. It's to continuously improve the process of creating and sustaining the built environment. We do that by facilitating communication among all those involved in that process. Our approximately 17,000 members represent all the disciplines engaged in non-residential building design and construction.

Monthly Chapter Meeting  
The 4th Monday, at 5:30pm. Benevento's 3705  
Breweston Rd., N. Syracuse.

Mr. Ronald C. Fiorentino, CSI  
Chapter President  
315-437-1070  
[rfiorentino@brjohnson.com](mailto:rfiorentino@brjohnson.com)

Syracuse University's  
**COLLEGE OF ENGINEERING  
AND COMPUTER SCIENCE**

The Syracuse University L.C. Smith College of Engineering and Computer Science Alumni Association was established in 1992 to promote the interests and improve the effectiveness of the College, and to foster good fellowship among its alumni. In 1994 the Association was chartered under the aegis of the Syracuse University Alumni Association as the Syracuse University L.C. Smith College of Engineering and Computer Science Alumni Association. This established it as part of a charitable and educational organization under Section 501 (c)(3) of the Internal Revenue Code.

[http://www.ecs.syr.edu/alumni\\_assn.html](http://www.ecs.syr.edu/alumni_assn.html)

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**THE TECHNOLOGY ALLIANCE OF CENTRAL NEW YORK**

[www.tacny.org](http://www.tacny.org)

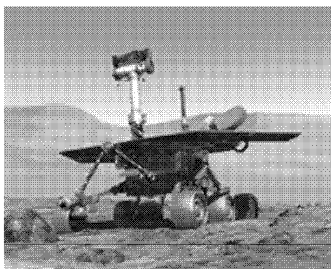
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2005

**SEVENTH ANNUAL "CELEBRATION OF TECHNOLOGY" AWARDS BANQUET**

<b>EVENT DATE :</b>	<b>Thursday, MARCH 10<sup>TH</sup>, 2005</b>
<b>LOCATION:</b>	<b>HOLIDAY INN &amp; CONFERENCE CENTER AT LIVERPOOL 7<sup>th</sup> North Street &amp; Electronics Parkway, Liverpool, NY</b>
<b>TIMES:</b>	<b>CASH BAR 5:00- 6:30 PM    DINNER 6:30PM    PROGRAM 7:30 PM</b>
<b>SPEAKER:</b>	<b>Prof. Robert Sullivan, Cornell University Mars Exploration Rover Mission</b>
<b>TICKETS:</b>	<b>ON SALE SOON</b>
<b>DINNER:</b>	<b>CHICKEN, FISH, OR VEGETARIAN (VER.). PLEASE SELECT DINNER CHOICE WHEN MAKING RESERVATIONS. IF NO CHOICE IS MADE, CHICKEN WILL BE SERVED.</b>
<b>AWARDS:</b>	<b>ALL ORGANIZATIONS ARE ENCOURAGED TO SUBMIT APPLICATIONS FOR ONE OR MORE OF THE AWARD CATEGORIES (APPLICATION AND CRITERIA BELOW)</b>
<b>EXHIBITS, ETC:</b>	<b>ORGANIZATIONS ARE ALSO ENCOURAGED TO DISPLAY AN EXHIBIT AND/OR PLACE AN AD IN THE BANQUET'S PROGRAM BROCHURE (SEE ATTACHED).</b>
<b>DEADLINE FOR ADVANCE DINNER RESERVATIONS WITH PAYMENT: <u>MARCH 3, 2005</u></b>	



**SPEAKER: Prof. Robert Sullivan, Cornell University**

Mr. Sullivan will discuss the Mars Exploration Rover (MER) mission, including the "Opportunity" and "Spirit" rovers. NASA's twin robot geologists, the Mars Exploration Rovers, launched toward Mars on June 10 and July 7, 2003, in search of answers about the history of water on Mars. The Mars Exploration Rover mission is part of NASA's Mars Exploration Program, a long-term effort of robotic exploration of the red planet.

**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.
- It provides a means to support the Technology Alliance's effort for greater involvement in improvement initiatives that positively impact both employment and educational opportunities in central NY.

**ADS FOR PROGRAM BOOKLET**

<b><u>COSTS:</u></b>	<b>FULL PAGE (8-1/2" X 11") .....</b>	<b>\$100</b>
	<b>1/2 PAGE.....</b>	<b>\$75</b>
	<b>1/4 PAGE .....</b>	<b>\$50</b>

**Submittal via email is preferred.**

**DEADLINE FOR SUBMITTAL:**                    **FEBRUARY 17th, 2005**

**EXHIBITS**

**COST of BOOTH: \$100 paid in advance**    **SPECIAL...\$160 for exhibit space and a full page ad.**

**APPROXIMATE SIZE:**    **12' x 5' including table/chairs/table cloth/utilities. If you have a custom set-up, we can accommodate you within reason.**

**EXHIBITORS MAY START SETTING UP AT 3:30 P.M.**

**DEADLINE FOR RESERVATIONS:**    **MARCH 3rd, 2005**

**SEND AD COPY, EXHIBIT and DINNER RESERVATIONS, & CHECKS TO:**

Mike Hayes, PE, LEED  
C&S Engineers  
499 Col. Eileen Collins Blvd.  
Syracuse, NY 13212  
Phone: (315) 455-2000  
E-mail: mhayes@cscos.com

Please make checks payable to TACNY – Celebration 2005.

## AWARD NOMINATIONS

*Nominations may be made for worthy candidates by local societies, educational institutes, or employers. Nominees need not be active members of the Technology Alliance's participating societies, but professional membership in an organization will be given consideration. Use the attached nomination form for submittal of the Technology Alliance Awards. One qualified candidate will be selected to receive an award for each category. The winning candidate and their spouse or guest will be the Technology Alliance's guest at the Annual Banquet. For the Technology Employer of the year Award, this will also apply to the CEO of the company. Application is the last page of this communication. Please follow instructions carefully and submit application with either a head and shoulders photo of the candidate or a digital file in jpeg, tiff, bmp, etc. format.*

**Award categories and criteria:**

**TECHNOLOGIST OF THE YEAR**

A Central New Yorker who has made outstanding contributions to advances and Improvements in a technological field, not limited to Engineering.

**TECHNOLOGY PROJECT OF THE YEAR**

A current outstanding technological project, invention or process designed, initiated or constructed in Central New York.

**TECHNOLOGY COMPANY OF THE YEAR**

A Central New York Technology company that has made outstanding contributions to new and/or innovative products, processing technologies, or productivity leading to enhanced business.

**YOUNG TECHNOLOGIST OF THE YEAR**

A Central New Yorker, less than 35 years old, who has made recent outstanding contributions to advances and improvements in a technological field, not limited to engineering.

**ENGINEER OF THE YEAR**

A Central New Yorker, selected by or for the Central NY Society of Professional Engineers (CNYSPE), who has made outstanding contributions to advances and improvements in engineering.

**COLLEGE TECHNOLOGY EDUCATOR OF THE YEAR**

A Central New Yorker, who has made outstanding contributions in Technology Education at the college level.

**REMINDER:** A head and shoulders photo or digital file must be submitted with the nomination form for Technology Alliance publicity and program brochure use.

**DEADLINES FOR NOMINATIONS: JANUARY 20th, 2005**

**The Technology Alliance of Central New York  
7th ANNUAL CELEBRATION OF TECHNOLOGY  
AWARDS BANQUET 2005**

**-TECHNOLOGY ALLIANCE AWARD NOMINATION FORM-**

-Please Print or Type-

**Nominee:** \_\_\_\_\_ **Nominator:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **Address:** \_\_\_\_\_

\_\_\_\_\_, NY \_\_\_\_\_, NY \_\_\_\_\_

**Phone** ( ) \_\_\_ - \_\_\_ (H) ( ) \_\_\_ - \_\_\_ (W) **Phone** ( ) \_\_\_ - \_\_\_ (H) ( ) \_\_\_ - \_\_\_ (W)

**Employer:** \_\_\_\_\_ **Professional Society:** \_\_\_\_\_  
(if applicable) \_\_\_\_\_ (if applicable) \_\_\_\_\_

\*\*\*\*\*

- Award Nominated For:** (please check one only, see cover sheet for award criteria)
- TECHNOLOGIST OF THE YEAR       TECHNOLOGY PROJECT OF THE YEAR
  - TECHNOLOGY COMPANY OF THE YEAR       ENGINEER OF THE YEAR
  - YOUNG TECHNOLOGIST OF THE YEAR       COLLEGE EDUCATOR OF THE YEAR

**Summary reason for consideration:** (Brief statement appropriate for awards presentation at the banquet.)

\_\_\_\_\_  
\_\_\_\_\_

**Supporting data, detailed reasons documented achievements, rationale, etc.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attach additional supporting data to this sheet. Please include references and sources of additional info.

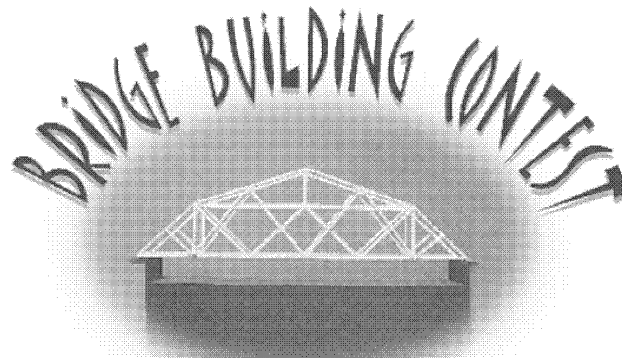
**(NOTE: A photograph or digital file will be required for the awards program)**

**\* SEND COMPLETED FORM TO:**

**Mike Hayes, PE, LEED**  
**C&S Engineers**  
**499 Col. Eileen Collins Blvd.**  
**Syracuse, NY 13212**  
**Phone: (315) 455-2000**  
**E-mail: mhayes@cscos.com**

\* Submittal via email is preferred, no later than Jan. 20, 2005.





## BUILD 'EM AND BUST 'EM!

Food! Fun! Prizes! Fun! Food!

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<b>WHO</b>	Teams of <b>THREE</b> students from 4th - 12th grades are eligible. The contest includes three levels of participation: 4th - 6th Grades      7th - 8th Grades      High School Students
<b>WHAT</b>	4th-6th grade and 7th-8th grade teams will design and build a bridge. High school students can design and build a bridge and/or a crane. Download detailed bridge and/or crane parameters at: <a href="http://www.ecs.syr.edu/community_events.html">http://www.ecs.syr.edu/community_events.html</a>
<b>WHERE</b>	The College of Engineering and Computer Science at Syracuse University will host the event.
<b>WHEN</b>	Save this date: Saturday, November 20, 2004, 8:30 am - 1:00 pm
<b>HOW</b>	Materials will be delivered to participating schools. Between now and November 20 you will build and test your bridge and/or crane for its strength and durability. On Saturday, November 20, faculty, staff and students of ECS-SU and other sponsor members will weigh and test your structure. Prizes will be awarded to the winners in each category.
<b>OTHER ACTIVITIES</b>	Students, teachers and parents will enjoy tours of SU's College of Engineering and Computer Science. An on-demand activity will include bridge building with LEGO® blocks.
<b>EVENT T-SHIRT LOGO CONTEST</b>	Submitted entries postmarked by 10/18/04 will be considered. Details can be found at: <a href="http://www.ecs.syr.edu/community_events.html">http://www.ecs.syr.edu/community_events.html</a>

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### CONTEST REGISTRATION

Teachers should register their schools and teams on the web at: [www.ecs.syr.edu/community\\_events.html](http://www.ecs.syr.edu/community_events.html)  
Look for more contest details and updates, campus maps, and parking places at this website.

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<b>SPONSORS</b>	College of Engineering and Computer Science, Syracuse University ECS Alumni Association      American Society of Civil Engineers Technology Alliance CNY      WCNY      Lockheed Martin Corporation
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Distributed to over 1,175 professionals!

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[anthony.agnello@mgaresearch.com](mailto:anthony.agnello@mgaresearch.com)

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