

# Technologist

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

## 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, Refrigeration, & Air Conditioning | David Wildrick         | Chair   | 446-1375       |
| ASM - American Society for Metals                                       | Jeff Zerilli           | Chair   | 607-533-7000   |
| ASME - American Society of Mechanical Engineers                         | David Colangelo        | Chair   | 451-9560       |
| ASPE - American Society of Plumbing Engineers                           | Christopher De John    | Pres.   | 471-6061       |
| ASQ - American Society for Quality                                      | Davis B. Smith         | Chair   | 652-5689-1024  |
| 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                           | Thomas A. Frawley      | Pres.   | 592-5791       |
| FLSA - Finger Lakes Sanitarians Association                             | Lary Duchaney          | Chair   | 445-1597       |
| IEEE - Institute of Electrical and Electronics Engineers                | Joe Cuker              | Pres.   | 637-9755       |
| 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.

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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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|                                      |                    |   |   |   |  |
|--------------------------------------|--------------------|---|---|---|--|
| Syracuse Section                     | Syracuse, New York |   |   |   |  |
| September 17                         | noon               | IEEE Section open to all members                  | <a href="#">Genesee Inn, Syracuse</a>                         | Executive Committee Meeting   | Don Herres<br>( <a href="mailto:d.herres@ieee.org">d.herres@ieee.org</a> )                     |
| September 17 & 18                    | 6:30 PM            | IEEE<br>IEEE Members invited                      | Schenectady Museum<br>Schenectady, NY                         | <a href="#">"Empire District Electricians" - a historical review</a>          | Don Herres<br>( <a href="mailto:d.herres@ieee.org">d.herres@ieee.org</a> )                     |
| October 19 through PE Exams in March | 6:00 - 8:00 PM     | ASME Syracuse Section cosponsored by IEEE Section | C&S Engineers<br>499 Col. Eileen Collins Blvd.<br>N. Syracuse | <a href="#">Review Courses for PE Licensing Exams</a>                         | Fred Wenthen<br>( <a href="mailto:fwenthe@svr.edu">fwenthe@svr.edu</a> )                       |
| November 12                          | 8:30 - 5:00        | IEEE Rochester Section AES/COM                    | Golisano Auditorium,<br>RIT<br>Rochester, NY                  | <a href="#">1st IEEE Upstate NY Workshop on Communications and Networking</a> | Wendi Heinzelman<br>( <a href="mailto:wheinz@ece.rochester.edu">wheinz@ece.rochester.edu</a> ) |
| November 15                          | 8 AM - 5 M         | IEEE & ASCE, NSPE, ASME                           | Holiday Inn<br>Liverpool, NY                                  | CNY Engineering Expo 2004   | Mike Hayes<br>( <a href="mailto:m.hayes@ieee.org">m.hayes@ieee.org</a> )                       |

### 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>](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.

**The next meeting will be at the Genesee Inn at noon Friday 9/17**

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/>



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

**SEEDS FOR SCIENCE**

This program is designed to provide financial help to 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).

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

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

Interested students should send the name of the faculty sponsor and a brief description of the project along with an explanation for the requested money. A committee will select winners. The 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 Engineers, Syracuse Section; the Technology Alliance of Central New York; the Central NY Chapter of the NY State Society of Professional Engineers; and the Central NY Association of Professional Geologists.

Application submission deadline: March 1, 2005. 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](mailto:pkgghosh@syr.edu)



## The Institute Online

### 1. IEEE Honors Technology Innovators

This year's IEEE Honors Ceremony celebrated at least four milestones. For the first time, women received the IEEE Founders and John von Neumann medals, it was the 100th anniversary of the introduction of the IEEE Edison Medal, and the Eta Kappa Nu scholastic honor society, which counts many IEEE members among its ranks, reached its centennial year, as well.

### 2. Web Site Helps Choose the Right Publications Package

Discover IEEE is a relatively new section of the IEEE Web site that helps you choose the best publications package for your needs from among the eight packages that the IEEE offers online. After you answer three questions about your intended use of the technical papers, Discover IEEE will provide you with a list of up to four possible choices.

### 3. Grants Have Global Reach

In June, the IEEE Foundation awarded three grants totaling US\$36 950 for projects designed to provide engineers and engineering students across the world with information on the leading edge of technology.

### 4. IEEE Foundation Receives US\$100 000 Bequest

IEEE Life Fellow and renowned power systems expert Charles Concordia bequeathed US\$100 000 to the IEEE Foundation after his death on 25 December 2003. Concordia, who was known as an engineers' engineer, wanted the funds to be invested in education to advance his profession through academic study.

### 5. Conference Takes On Global Military Communications

The next generation of global military communications will capture most of the attention at this year's Military Communications Conference, better known as MILCOM. Sponsored by the IEEE Communications Society, the meeting will take place from 31 October to 3 November at the Monterey Conference Center in California, USA.

### 6. Proceedings from 2003 Military Communications Conference Now Available

The proceedings of last year's IEEE military communications conference address topics that include overcoming communications complexity, satellite communications, sensor and mobile networks, communications security, ultrawideband communications, and networking protocols.

### 7. Try IEEE Products and Services at Wescon

Visit the IEEE booth at Wescon 2004, being held from 21-23 September in Anaheim, Calif., USA. IEEE staff will be demonstrating the Member Digital Library, Standards Online, and more. The IEEE Press will also have a large selection of Wiley-IEEE books offered at a 20 percent conference discount. IEEE Sales and Marketing will give door prizes and gifts to those attending the demonstrations.

### 8. Call for Speakers at the 2005 IEEE Sections Congress

The IEEE Sections Congress 2005 Program Committee is accepting nominations for session speakers. The meeting is to be held 14-17 October 2005 in Tampa, Fla., USA. The theme of the event, "Promoting a World-Class Volunteer Community," will highlight three program tracks on membership, section operations, and relations between IEEE sections and internal and external organizations and the community. Submit nominations by 15 September. To nominate a speaker, visit <http://www.ieee.org/sc2005>.



## JOINT MEETING

### Entrepreneurs

**So you want to be an entrepreneur? Come to this meeting to learn about some of the “ins” and “outs” of starting and running your own business.**

**Date:** Wednesday, September 22, 2004

**Topic:** Entrepreneurship for Engineers and Innovators

**Speaker:** Michael H. Morris, PhD  
Ms. Nola Miyasaki, JD

**Location:** Genesee Inn  
1060 East Genesee Street, Syracuse, NY

**Schedule:** 5:30 P.M. - cocktails  
6:00 P.M. – dinner  
7:00 P.M. – presentation

**Cost:** \$15.00  
\$5.00 – IEEE Students plus one guest

**Reservations:** Mike Hayes  
**Phone:** (315) 468-0182 – home  
(315) 455-2000 – office  
**Email:** [m.hayes@ieee.org](mailto:m.hayes@ieee.org)

Reservations are requested by Monday, September 20, 2004 at noon. Please specify choice of beef or vegetarian.

**Michael H. Morris, PhD**, holds the Chris J. Witting Chair in Entrepreneurship and leads the Department of Entrepreneurship and Emerging Enterprise at Syracuse University. Widely published and recognized for his teaching, Dr. Morris started two ventures and has received the Ernst & Young Entrepreneur of the Year Award.

**Nola N. Miyasaki, JD**, is executive director of the Michael J. Falcone Center for Entrepreneurship in the The Martin J. Whitman School of Management at Syracuse University. In this role she takes the lead in outreach initiatives of the EEE (Entrepreneurship & Emerging Enterprises) Program and works to commercialize opportunities for technologies developed at Syracuse. She brings to her role in the Falcone Center extensive experience in managing a highly successful incubator and in facilitating technology development and entrepreneurship.

**Anyone is welcome to attend this meeting.**



**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 academia 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, preferably in PDF, may be emailed to [laosadci@syr.edu](mailto: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   |



Institute of Electrical & Electronics Engineers  
Life Member & Computer Chapters

&



## Sweet Lecture

**Is your computer bugging you? Come to this meeting to hear the latest about personal computers from Mr. Al Fasoldt, one of Central New York's foremost computer experts.**

**Date:** Tuesday, September 28, 2004

**Topic:** PC Update

**Speaker:** Mr. Al Fasoldt

**Location:** Verizon  
201 South State Street, Syracuse, NY (use Fayette Street entrance, check in with guard)

**Schedule:** 6:00 P.M. – presentation

**Cost:** FREE

**Reservations:** Mr. Craig Cobb, PE  
**Phone:** (315) 448-2025  
**Email:** [c.cobb@ieee.org](mailto:c.cobb@ieee.org)

Reservations are required by Friday, September 24, 2004 at 5 PM.

Mr. Fasoldt is the computer columnist for the Syracuse Post Standard newspaper.

**Anyone is welcome to attend this meeting.**

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

## **NEWSLETTER**

## **September, 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.

We will be having our traditional meeting at Syracuse University explaining why people should become Professional Engineers and the procedures for doing so. We have invited Ms. Jane W. Blair, PE, Executive Secretary, NY State Education Department, Office of the Professions to speak. See further information below.

The 2004 NYSSPE Fall Convention & Expo will be held November 12-13, 2004 at the Albany Marriott, Albany, NY. PDHs will be offered. Yes, it's unfortunately the weekend before our Central New York Engineering Expo 2004. More details will be forthcoming.

The Practicing Institute of Engineering (PIE) web site ([www.pie-cpc.org](http://www.pie-cpc.org)) is now up and running. This web site is still a work in progress, but there is some useful information there now. It's being continually updated.

Finally, there will be a "Build 'em and Bust 'em" event at Syracuse University, probably on November 20, 2004. Students from 4<sup>th</sup> through 12<sup>th</sup> 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](mailto:mhayes@cscos.com).



**Monday - November 15, 2004 - Holiday Inn, Electronics Pkwy & 7th North St., Syracuse, NY**  
**For more information, call Mike Hayes, PE at (315) 455-2000**

| Civil  | Mechanical   | Electrical   | Professional  | General Interest   |
|--|--|--|---|--|
| <b>Sponsored by ASCE</b>   | <b>Sponsored by ASME</b>   | <b>Sponsored by IEEE</b>   | <b>Sponsored by NSPE</b>  | <b>Sponsored by (TBD)</b>  |
| 8:15 - 9:15 Spill Prevention & Control - Bill Frye, C&S Engineers - 1.0 PDH  | 8:15 - 10:30 Basic Mechanical Failure Analysis - Neville W. Sachs, PE, Sachs, Salvaterra & Associates - 2.0 PDH for PE | 8:15 - 9:15 2005 NEC Update - Neil LaBrake Jr., PE, National Grid - 1.0 PDH          | 8:15 - 9:15 Forensic Engineering - John Buchta, JDR Systems - 1.0 PDH for PE  | 8:15 - 10:30 Building Code of NY State - Fire Protection Requirements - Michael J. Klemenz, PE, Davis-Ulmer Sprinkler Co. - 2.0 PDH for PE |
| 9:30 - 10:30 Advancements in FRP Wraps - Dr. Riyad Aboutaha, Syracuse University - 1.0 PDH for PE                  | 9:30 - 10:30 Transformer Fusing - Vincent J. Brown III, V.J. Brown Co. - 1.0 PDH for PE                                | 9:30 - 11:45 Ethics - Dick Simberg, PE (ret.) - 2.0 PDH for PE                       | 10:45 - 11:45 Queuing Theory - Jim Alloway - 1.0 PDH for PE   |  |
| 10:45 - 11:45 Tunneling/Deep Shaft Construction - AJ McGinn, Brierley Associates - 1.0 PDH for PE                  | 10:45 - 11:45 Finite Element Analysis - "Joe Smith" - CADimensions - 1.0 PDH for PE                                    | 10:45 - 11:45 Photo-Voltaic Power Systems - Dr. Gay Canough, ETMSolar 1.0 PDH for PE |   |  |
| <b>Networking Luncheon &amp; Visit Display Booths (Convention Center)</b>  |  |  |   |  |
| 1:15 - 2:15 Dynamic Pile Testing - Tom Cronin, PE, Atlantic Testing Laboratories - 1.0 PDH for PE                  | 1:15 - 2:15 Electrical Grounding - Mr. John Howard, Lyncole - 1.0 PDH for PE   | 1:15 - 2:15 Engineering Law - Neal Illenberg, PE - 1.0 PDH for PE                    | 1:15 - 2:15 RF/Microwave Transmission Lines at Higher Frequencies, Dr. Ercument Arvas, Syracuse University - 1.0 PDH for PE |  |
| 2:30 - 3:30 Insulated Concrete Forms - Saul Mazur, AH Harris - 1.0 PDH for PE                                      | 3:30 - 3:30 Harmonics & Mitigation Methods for AC Drives, R. Hoadley, Rockwell Automation - 1.0 PDH                    | 2:30 - 3:30 NY PE Regulations, Jane Blair, PE, NYSED - 1.0 PDH for PE                | 2:30 - 4:45 Physical Security, Chad Barnes C&S Engineers - 2.0 PDH for PE   |  |
| 3:45 - 4:45 Serviceability in High-Performance Concrete, Dr. Levon Minnetyan, Clarkson University - 1.0 PDH for PE | 3:45 - 4:45 Chiller Design, ? Feduik, Carrier - 1.0 PDH for PE   | 3:45 - 4:45 State of Computer Networking - Craig Cobb, PE, Verizon - 1.0 PDH for PE  | 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)**

# **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 of individual for registration: \_\_\_\_\_

Organization: \_\_\_\_\_

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

\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**Please check appropriate box below.**

**Early Bird registration: \$75  
Must be postmarked not later than October 29, 2004**

**Registration after October 29, 2004: \$95**

**Please indicate which of the five tracks you are most interested in.** We will use this information to make room assignments. You may attend any individual session you choose.

**Civil**

**Mechanical**

**Electrical**

**Professional**

**Other**

**Payment:** Please enclose check.  
Make check payable to: **Central Chapter NYSSPE – Expo 2004**

**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: \$400, 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: **Central Chapter NYSSPE – Expo 2004**

**Send completed registration form to:**

Ms. Alicia Kirkby, [akirkby@cscos.com](mailto:akirkby@cscos.com), C&S Engineers, 499 Col. Eileen Collins Blvd., Syracuse, NY 13212

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

**A Panel Discussion Sponsored By:**

**CNY State Society of Professional Engineers**

**in cooperation with**

**SU College of Engineering & Computer Science and IEEE Student Chapter**

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**Exact date not available at time of publication—please go to [www.cnype.org](http://www.cnype.org)  
or call John Przepiora, P.E. : 315/479 9111**

**Pizza & Salad - 5:30 pm, Presentation 6:15 pm**

**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.)**

**Jane W. Blair, P.E. Executive Secretary 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.**

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**The price of \$5 will be charged at the door to defray the cost of pizza, and soft drinks. No charge for panel discussion only.**

**Please make a reservation to attend to:**

**John Przepiora, P.E. : 315/479 9111, [jwp134@twcny.rr.com](mailto:jwp134@twcny.rr.com)**

**Students may also make reservations by contacting Kathy Pollard (443-5192) in the SU Engineering College Dean's Office by October 14.**

## **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.

## **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
- 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.

## **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](mailto:m.hayes@ieee.org) to confirm time and date.

# CNYAPG

## Our President's Voice –

As the newly elected President I would like to encourage our members and interested guests to join us at our monthly meetings. Over the years I have enjoyed these monthly meetings because they offer me an opportunity to meet other geologists and interesting visitors and to hear interesting speakers. Our meetings last year covered geology from Antarctica to Alaska and also covered non-geology subjects like Lewis and Clark's expedition. The current board will strive to continue to bring you opportunities to both learn and have a good social time at the monthly meetings. The monthly meetings regularly take place in the evening on the third Thursday of each month.

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 Peluso - [kpeluso@twcnv.rr.com](mailto:kpeluso@twcnv.rr.com)
- Joel Parratt - [jparratt@pwinc.com](mailto:jparratt@pwinc.com)
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If you have questions, ideas, or concerns about CNYAPG please do not hesitate to contact us.

Guy Swenson

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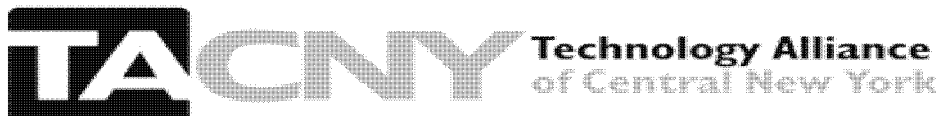
**Membership news** – For those of you who have not yet renewed your membership, please do so now! To renew your membership or become a new member, simply complete the membership form which is available on our website at [www.cnyapg.org](http://www.cnyapg.org)! Membership is only \$25 per year and all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

## Calendar

|                    |  |
|--------------------|--|
| September 16, 2004 | CNYAPG Monthly Dinner Meeting, Speaker and location to be announced.   |
| October ?, 2004    | CNYAPG Monthly Dinner Meeting, We are working with Syracuse University to jointly bring the Geological Society of America Birdsall-Dreiss Lecturer to our meeting. |

**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](mailto:jmmckenz@syr.edu) 569-6074) or Guy Swenson ([swensoga@obg.com](mailto:swensoga@obg.com) 437-6100).

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## Guest Columns and Articles

TACNY invites any reader who wishes to submit an article for publication to do so before the 17<sup>th</sup> of the month. Articles of interest from other sources can be considered, if permission is obtained in writing.

## SEPTEMBER SWEET LECTURE: Al Fasoldt

Al Fasoldt will be speaking to members of TACNY and IEEE on updating PCs, on Tuesday, Sept. 28<sup>th</sup> at 6 p.m. There is no charge, and anyone is welcome to attend this meeting.

Location: Verizon, 201 S. State St. (use Fayette St. entrance and check with guard).

Reservations: Craig Cobb at 448-2025

Email: [c.cobb@ieee.org](mailto:c.cobb@ieee.org)

## Fayetteville-Manlius High School wins National Science Olympiad Tournament

The Science Olympiad highlights the talents and skills of the top young scientific minds in the United States, and was held May 20-22 this year on the campus of Juniata College in Huntingdon, PA.

Fayetteville-Manlius High School took the Division C title followed by second-place finisher Grand Haven High School, of Grand Haven Mich.. The third-place winner was Harriton High School, of Rosemont, PA.

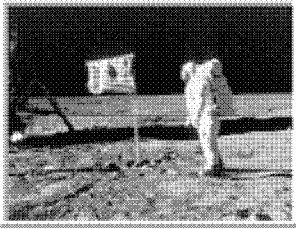
The goals of the Science Olympiad, a non-profit organization, are to improve the quality of science education, increase student interest in science and recognize outstanding achievement in science education. The Science Olympiad involved, nationwide, more than 1 million elementary and secondary school students in classroom activities, workshops and tournaments.

The 15 member Fayetteville-Manlius team, coached by Jamie Cucinotta, worked countless hours after school and well into the evening to amass the knowledge necessary to mount a successful competition in subjects such as Earth Science, Biology, Chemistry, Physics, and Computer Technology.

The competition required that students not only demonstrate their knowledge of the aforementioned scientific disciplines, but also required the practical application of those subjects by designing, building and operating devices such as robots and rockets.

Congratulations to the Fayetteville-Manlius High School Olympiad Team and teacher/coach Jamie Cucinotta!

## Websites of the Month



One of the main elements of the Technology Alliance mission is the appreciation of technology history. The website of the month contains an annotated collection of links to some of the history of technology, including little-known subsites buried on many well-known commercial sites.

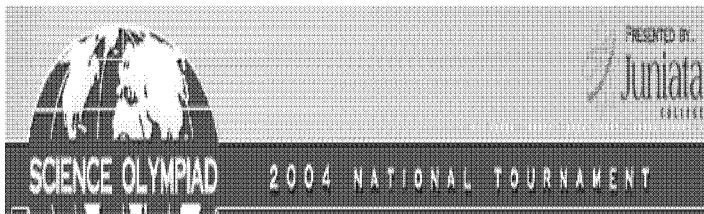
Goto: <http://www.refstar.com/techhist/>



### Women-Related Web Sites in Science/Technology

Goto:

[http://research.umbc.edu/~korenman/wmst/links\\_sci.html](http://research.umbc.edu/~korenman/wmst/links_sci.html)



As mentioned earlier, Fayetteville Manlius won the division C competition at this year's Science Olympiad.

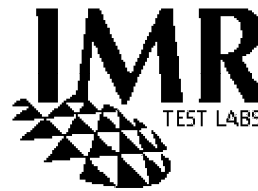
For full schedule, results and other information concerning the program, goto:

<http://projects.juniata.edu/scioly/national/>

The official website of the Science Olympiad can be found at:

<http://www.soinc.org/>

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### November Professional Seminar Planned

As a service to local professionals, several local professional groups (currently NSPE, IEEE, ASCE, ASME, and SWE) are sponsoring a low-cost seminar on November 15, 2004 that will offer 6 PDHs (Professional Development Hours) for PEs and possibly for architects and surveyors if there's enough support.

We are looking for help in getting the word out, so any information technical organizations can get to their members via newsletters, emails or websites would be very helpful.

If you can help, or have any questions, please call Mike Hayes at 455-2000 or email him at: [mhayes@cscos.com](mailto:mhayes@cscos.com)



## Organizational Spotlight



CENTRAL NEW YORK SECTION  
[www.cny-isa.org](http://www.cny-isa.org)

### **Mission**

Central New York ISA Section is a nonprofit organization committed to giving our local members the tools and skills they need to develop their professional and personal lives. Through subsidized seminars, training and sponsored events, CNY-ISA provides relevant and expert information on instrumentation, systems and automation in a wide variety of applications.

Through valuable networking and professional advice, CNY-ISA members can accomplish great things.



## *New York State Council of Professional Geologists*

<http://www.nyscpge.org/>

*Strengthen and advance the geologic sciences as a profession*

*Promote the protection of public health and welfare and the environment through the professional practice of geologic sciences*

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*Promote high standards of ethical conduct among its members and within the profession of geology*

---

*Promote the legal standing of geologists and their ability to practice geology in New York State*

---

*Promote the licensing of geologists in New York State through statutory regulation*

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## **SECME Update**

TACNY board member and Lincoln Middle School English teacher Gwendolyn Maturo, who runs the school's SECME science and engineering club, was a finalist in the national SECME teacher-of-the-year competition.

Even though she spends so much time immersed in science, Maturo is an English teacher. She uses technology in class and sometimes has her students read science articles.

Maturo is matriculated in a doctoral program in SU's education school. She's also helping carry out two grants at SU. She has just decided to apply for national teaching board certification. She has been trained by national SECME to be one of its "master teachers" and teaches classes for the organization.

In 2001, she help kick off a Syracuse branch of SECME's parent "empowerment" program called (EP)2.

Maturo recently landed what she said is her SECME club's first budget line. The American Society of Heating, Refrigerating and Air Conditioning Engineers agreed to donate \$500 a year to the club.

She hopes the honor of being a national finalist will translate into more money and resources for SECME in the city schools. She plans to use some of her \$2,500 finalist prize money to buy an updated computer to support her research and her classroom work.

Congratulations, Gwendolyn, from all the members of TACNY!

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