

# 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	Mary Reidy	Chair	428-5326
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 5

January 2006



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



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Syracuse Section - Syracuse, New York



**IEEE FOUNDATION AWARDS OVER US\$135,000 IN GRANTS DURING 2005:** During its November 2005 meeting, the IEEE Foundation awarded three new grants totaling US\$47,500. The goal of these grants is to motivate middle and high school students in Texas to pursue technology related careers; draw attention to the critical need for excellence and diligence in scientific research and discovery by honoring IEEE Life Fellow - Charles Townes; and bring together researchers, professionals, and students in Region 9 to discuss and identify technological solutions for the needs of the world.

With the awarding of these three new grants, it brings the total the IEEE Foundation has invested in new and innovative projects that seek to improve the world's technological literacy during 2005 to more than US\$135,000. To learn more about these and the other grants awarded by the IEEE Foundation during 2005 visit <<http://www.ieeefoundation.org>>.

**IEEE FOUNDATION ANNOUNCES 2006 APPLICATION DEADLINES:** The IEEE Foundation, the philanthropic arm of the IEEE, will accept unsolicited applications for new and innovative projects that seek to improve the worldwide technological literacy of society from childhood through adulthood in three cycles in 2006. Projects should:

1. Improve primary and secondary math and science learning,
2. Prepare pre-university students to consider engineering as a career path,
3. Increase active interest in engineering and science,
4. Preserve the history of IEEE associated technologies,
5. Tap the technological expertise of IEEE members,

Applications are due approximately two months prior to each of three IEEE Foundation Meetings. Specifically:

For the March 2006 meeting: application deadline is 7 January 2006

For the June 2006 meeting: application deadline is 15 April 2006

For the November 2006 meeting: application deadline is 16 September 2006.

To learn more about the IEEE Foundation's grant guidelines, and for an online application, visit us on the web at <<http://www.ieeefoundation.org>>.

**NOVEMBER MEMBERSHIP HIGHLIGHTS:** IEEE membership reached 360,213 in November 2005, an increase of 0.3 percent compared to November 2004. Specifically, higher grade memberships are down 1.4 percent, student memberships have increased 7.3 percent and society memberships have declined 1.5 percent.

**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>

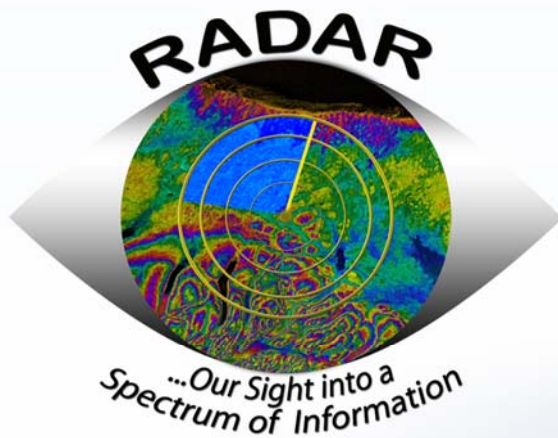
**Check out the all new Syracuse Section website:**  
<http://www.ewh.ieee.org/r1/syracuse/>



# Event Calendar

January 13	12:00 PM	IEEE Syracuse Section open to all members	C&S Engineers	Section Executive Committee Meeting
February 3	12:00 PM	IEEE Syracuse Section open to all members	C&S Engineers	Section Executive Committee Meeting
March 3	12:00 PM	IEEE Syracuse Section open to all members	C&S Engineers	Section Executive Committee Meeting
March 6	Dinner 5:30 PM Presentation 6:00 PM	IEEE Syracuse IAS/PES Chapter Joint with IAEI	LeMoyne Manor Liverpool	Motors and Motor Controls
April 7	12:00 PM	IEEE Syracuse Section open to all members	C&S Engineers	Section Executive Committee Meeting
April 24 - 27	see Conference Schedule	Sponsored by IEEE Aerospace & Electronics Systems Society and IEEE Mohawk Valley and Syracuse Sections	Turning Stone Resort & Casino Verona, NY	2006 IEEE Radar Conference
May 5	12:00 PM	IEEE Syracuse Section open to all members	Genesee Grande Hotel Syracuse	Section Executive Committee Meeting
August 18 - 20	8:00 start	IEEE Region I hosted by Syracuse & Mohawk Valley Sections	University Sheraton	Regional Board of Governors Meeting & Officer Training

# 2006 IEEE Radar Conference



April 24 - 27, 2006

Turning Stone Resort  
and Casino  
Verona, NY USA

[www.radar06.org](http://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](http://www.radar06.org)**



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

Logo background image courtesy NASA/JPL-Caltech.

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

**NEWSLETTER**

**JANUARY 2006**

**President's Message - Mike Hayes, PE**

2005 was a good year for our Chapter: Expo 05 followed the success of 04, chapter sponsorship and participation in local events continued unabated and membership is up. My thanks and appreciation to all who worked to make these gains possible.

I look forward to another good year in 2006 including a new multi-track "Mini-Expo", probably with 4 PDHs available, on Monday, May 15, 2006 (in addition to the main Expo next November). The Mini-Expo will be held in conjunction with the Celebration of Technology Banquet. We also plan to continue the "PDH" lunches which premiered this past Fall starting with a lunch/presentation Thursday, January 19 (1 PDH). It's listed below but check in at our Chapter website ([www.cnype.com](http://www.cnype.com)) to stay up to date with any late breaking details.

**NSPE MEETING NOTICE**

Topic: **Septic System Design**

Speaker: **Andy Watkins, PE**

Date: **Thursday, 1/19/06**

Time: **11:30 AM – Networking  
Noon – Buffet Lunch  
Presentation after lunch**

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

Cost: **\$10**

RSVP: **Mike Hayes, PE  
315-455-2000  
[mhayes@cscos.com](mailto:mhayes@cscos.com)**

Mr. Watkins is a civil engineer specializing in environmental design. He is Vice President of the CNY Chapter of NYSSPE and MATHCOUNTS Coordinator for CNY.

This presentation has been approved for one professional development hour (PDH) for New York Professional Engineers.

# Calendar



Date/Time	Topic	Speaker	Location	Cost	Contact
1/19/06	SEPTIC TANK DESIGN	Andy Watkins, PE	C&S Engineers	\$10	Mike Hayes, PE 315-455- 2000 mhayes@cscos.com
2/21/06	TBD	TBD	TBD	TBD	“PDH” luncheon. Tentative Date
3/21/06	ETHICS	Dick Simberg, PE (ret)	TBD	TBD	“PDH” luncheon. Tentative Date.
4/18/06	TBD	TBD	TBD	TBD	“PDH” luncheon. Tentative Date.

## MINI-EXPO

5/15/06	TBD	TBD	Holiday Inn, Liverpool	TBD	Mini-Expo & Celebration of Technology Banquet. Date & location are firm.
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## BOARD OF DIRECTORS MEETINGS

NSPE members are most cordially invited to attend all board meetings. Meetings are tentatively scheduled for noon on the second Thursday of each month. Those wishing to attend should contact Mike Hayes: (315) 455-2000 ext. 4384; mhayes@cscos.com to confirm time and date.

## 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!**

# 35 PDHS AVAILABLE!

## MANUFACTURERS ASSOCIATION OF CENTRAL NEW YORK (MACNY)

### Strategies for the Use of Sustainable and Renewable Energy (SURE)

*Strategies for the Use of Sustainable and Renewable Energy (SURE)* is a certificate offered by the Manufacturers Association of Central New York (MACNY) in cooperation with the SUNY College of Environmental Science and Forestry (SUNYESF). Potential participants include designers, architects, constructors, and consulting engineers who want to learn more about the current technology and business applications of renewable energy systems including photovoltaics, wind power, biomass and conversion to biofuels, fuel cells and geothermal heat pumps. This certificate program was developed through a collaborative effort between business and academia to take advantage of this region's unique expertise and resources.

#### Certificate / Workshop Schedule

The SURE program schedule is designed with working professionals in mind.

Workshop Number 1: 1/13/06, 8am-4:30pm; Survey of Renewable Energy

Workshop Number 2: 1/27/06, 8am-4:30pm; Biomass, Ethanol and other fuels from Wood, Biodiesel

Workshop Number 3: 2/3/06, 8am-4:30pm; Photovoltaics

Workshop Number 4: 3/3/06, 8am-4:30pm; Fuel Cells and Geothermal Heat Pumps

Workshop Number 5: 3/24/06, 8am-4:30pm; Wind Power

All of the above workshops are at the Genesee Grande Hotel, 1060 East Genesee St., Syracuse, NY  
 Workshop Number 6: 4/28/06, 8am-4:30pm; Paper/Poster Presentation  
 This workshop will be at SUNY ESF (Marshall Hall Alumni Lounge).

Number 7, Optional Field Trip Day: 4/7/06, 8am-4:30pm at SUNY ESF & sites TBD

#### Cost for Certificate and Other Options

Option	Fee
Certificate (5 workshops) Registration received by 12/14/05	\$625
Certificate (5 workshops) Registration received on 12/15/05 or later	\$675
One (1) Day Workshop	\$145
Field Trip Day (Optional)	\$75

## Engineers (PEs)

Attendees are expected to earn 7 Professional Development Hours (PDHs) for each workshop he/she attends for a total of 35 PDHs. Earned PDHs count toward the required New York State-mandated professional development training for engineers.

### Application Procedures

#### **MACNY Certificate information:**

Susan Palé, Certificate Program Recruiter

315-469-1736 (phone)

sspale@pobox.com

[www.reinventcnyc.com](http://www.reinventcnyc.com)

## **NOT TOO EARLY TO APPLY FOR P.E. SCHOLARSHIPS**

### ***CNY Scholastic Achievement Awards***

Once again the Central Chapter of the New York State Society of Professional Engineers will be sponsoring Scholastic Achievement Awards for Central New York high school seniors planning on attending a college engineering program. In the past we have awarded 2 or 3 \$1,000 awards. The deadline for receipt of the application is **February 17, 2006**. To be eligible for these awards, applicants must plan on attending an engineering program at a university or college that has been accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET – EAC). For information and a list of colleges and universities with this accreditation visit <http://www.abet.org>, for questions regarding this requirement please contact Tim Taber (TPTaber@stearnswheler.com).

Applications are available on the Central New York Professional Engineer Web Site at <http://cnype.org/Application.pdf>.

### ***Child of NYSSPE Member Scholarships***

The Foundation for Engineering Education- Past Officers Scholarship is again available. This scholarship is awarded to the child of a NYSSPE member, in the amount of \$2000. Applications must be received by December 15, 2005 please contact Tim Taber (TPTaber@stearnswheler.com) for details.

### ***National Scholarships Available***

Students may also apply for the national engineering scholarships given by the National Society of Professional Engineers, and are encouraged to visit the following web site for more information: <http://nspe.org/scholarships/sc1-hs.asp>.

Please submit all applications and direct any questions to:

Tim Taber (Scholarship Chairman) (TPTaber@stearnswheler.com)



## **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](mailto: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.

## Officers 2005-2006

<b>President</b>	Howie Hollander	456-6287
<b>First Vice President</b>	Mary Reidy P.E.	428-5326
<b>Second Vice President</b>	Michael R. Hayes P.E.	455-2000
<b>Secretary</b>	Michael Masingale	445-4108
<b>Treasurer</b>	Susan Weaver P.E.	457-5200
<b>Past President</b>	Albert A. Brandenburg	234-3725
<b>Technologist Editor</b>	William Busher	434-1242
<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)  
[technicalsocieties@tacny.org](mailto:technicalsocieties@tacny.org)  
[secretary@tacny.org](mailto:secretary@tacny.org)  
[treasurer@tacny.org](mailto:treasurer@tacny.org)  
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[webmaster@tacny.org](mailto:webmaster@tacny.org)  
[teacherawards@tacny.org](mailto:teacherawards@tacny.org)

## Website of the Month

<http://echo.gmu.edu/index.php>



Since 2001 the Echo project has used the Internet to collect and present the recent history of science, technology, and industry.

## Sweet Lecture

WEDNESDAY, JANUARY 18<sup>TH</sup>

NATIONAL GRID AUDITORIUM  
300 ERIE BLVD W  
SYRACUSE, NY 13202

NOTE NEW TIME:  
5PM – 6PM

MENU: Light Refreshments

TOPIC: GLOBAL WARMING  
ADVENTURES OF THE RED-SPOTTED NEWT

Please contact [programs@tacny.org](mailto:programs@tacny.org) by Monday, January 16<sup>th</sup>, 2006.



Please join us for a lively discussion on the environmental impacts of global warming here in Central New York and the Northeast. The presentation will be given by Joe Kwasnik, Vice-President- Environment for National Grid's US operations.

In his current capacity, he is responsible for three areas of environmental management which include management of hazardous waste sites resulting from former operations of the company such as former city coal gas sites, management of environmental issues associated with the current operations of the company such as environmental licensing and permitting, hazardous waste management and incident response, and the identification and management of emerging environmental issues such as the potential impacts on company operations resulting from global climate change, brownfield redevelopment and emerging environmental legislation and regulation.

Mr. Kwasnik is a Licensed Site Professional in Massachusetts and holds a Masters Degree in Environmental Engineering from the University of Massachusetts and a Bachelors Degree in Geology from the University of Connecticut.

## President's Message

Technology, if you decide to look for it, is everywhere. I recently took a group of my employees on a "backstage" tour of the Magic Kingdom at Walt Disney World. What we saw was quite impressive. For example:

- ❖ The waste elimination system has drop points around the park that takes the canisters on a 30-45 mph ride through the "tunnels" under the park. The waste treatment plant is behind Big Thunder Mountain. In front of the vent, as gases are released, potpourri is injected into the waste stream. This system is one of only a couple like it around the world.
- ❖ Radio Frequency (RF) sensors embedded on the streets along the parade route, paired with RF tags on the floats, allow parade operators in the "tunnel" to reboot or make other decisions if the parade isn't moving as expected (without actually watching the parade)
- ❖ The "tunnel" system isn't really a tunnel! The 1+ miles of tunnels are above ground (nobody in central Florida has a basement!). The Magic Kingdom is the second story of the complex.
- ❖ You can duplicate the same magician's trick used to create the many ghosts floating above the dining room table in the Haunted Mansion. At night, stand between a bright light and your car window; you will be able to see your reflection. The Haunted Mansion's ghosts are similarly reflected on a sheet of glass by lights and figurines behind you in the ride.

As impressive as the technology is the care taken in the "product" design. "Hidden Mickey's" (a circle, with two smaller circles attached at the top) can be found incorporated into many items throughout the complex. The transition areas between sections of the park, e.g. Main Street and Adventureland, include arched bridge crossings causing you to appreciate the newly entered area (people tend to look down as they walk on an incline. As you enter the new area, you are walking on a decline, causing you to look up and into the new area) and music segues, e.g. turn of the century calliope music giving way to jungle drums.

If you get the chance to take the "Keys to the Kingdom Tour," I highly recommend it!

What's on your mind? Drop me a note at [hollander@tacny.org](mailto:hollander@tacny.org). Thanks.



For more information, go to:

<http://disneyworld.disney.go.com/wdw/parks/tourDetail?id=KeystotheKingdomTourPage&print=true>

## ONONDAGA COMMUNITY COLLEGE AND TACNY COMMEMORATE HISTORIC SEISMOLOGY BUILDING AT OCC



Pictured: OCC President Dr. Debbie Sydow, TACNY President Howie Hollander, TACNY Property Committee Chair John Oldfield, Louis Ragonese, and Ron Hinshaw

SYRACUSE, NY – Members of the Technology Alliance of Central New York (TACNY) and Onondaga Community College senior administrators met Monday, November 7 for a ceremony to commemorate the historic Seismology Building on the OCC campus. With the full support of TACNY, the building, which has been located on the property for nearly 50 years, will soon be razed to make way for the college's student residence halls.

The Seismology Building is located adjacent to the College's Route 175 entrance. It was constructed in the late 1950's on property donated to the Technology Club of Syracuse (now TACNY), which was founded in 1901 by local engineers and scientists. The property, including the Seismology Building, was donated to the Club by Mr. Simon Storer, for whom OCC's Storer Auditorium is named.

"It is an honor for Onondaga Community College to recognize today this partnership with the Technology Alliance of Central New York that has been ongoing for many years. The impact of education, research and science has a far-reaching and long-lasting impact on this community and on the world," said OCC President Debbie L. Sydow, Ph.D.

The building itself once housed what was at that time highly advanced equipment used for detecting and analyzing seismic activity, and it was utilized by members of the Technology Club for many years. The building ceased to be used for this purpose in the early 1970's when Route 175 was straightened, and the resulting traffic created conditions unfavorable for seismic measurement. The property was then deeded to the College, and a strengthened partnership with TACNY was established and continues to this day.

Rubenstein Museum of Science & Technology (MOST), located at 500 S. Franklin St. in Syracuse's historic

"The Seismology Building has stood at this location for nearly five decades, serving as a testimony to the legacy of research and science left by the founding members of the Technology Club. The historic work of these pioneers has been honored by TACNY and OCC and this legacy will continue to live on," said Howard R. Hollander, TACNY President.

A permanent plaque will be installed at the site of the Seismology Building in recognition of the important contributions made to this community by the Technology Alliance of Central New York.

The plaque reads:

*"In recognition of the Technology Alliance of Central New York for its commitment to enhancing and facilitating the development, growth, and advancement of education, awareness and historical appreciation of technology within the Central New York Community, and in commemoration of the historic Seismograph Building located for many years on the campus of Onondaga Community College."*

Founded in 1961, Onondaga Community College (OCC) is a comprehensive two-year college operating under the State University of New York (SUNY). It is locally sponsored by Onondaga County.

## **Amateur Radio Course given at the MOST**

In November and December of 2005, nine individuals attended the inaugural session of a new amateur radio overview course taught at the Milton J. Rubenstein Museum of Science & Technology (MOST), located in Syracuse's historic Armory Square.

What did the students like most about the course? Well, near the top of the list was the fast pace of the course with four two-hour sessions. But at the absolute top of the list was the chance to hear about a facet of amateur radio in a lecture and then immediately put it to practice in the amateur radio station at the MOST. The 50/50 split between lectures and hands-on work in the station really made it easier to learn the theory.

Based on positive feedback from the first group, the MOST will be offering this course on a quarterly basis in the future. "Stay tuned" for dates and times of upcoming classes. Any questions about the course? Contact Steve Auyer at [n2tkx@arrl.net](mailto:n2tkx@arrl.net).

## **Café Scientifique Junior presents Professor Mark Trodden**

The first Café Scientifique Junior interactive talk for kids began on December 17, 2005. Sponsored by the Technology Alliance of Central New York (TACNY), the event ran from 9:30 a.m. to 11 a.m. at the Milton J.

Armory Square. The interactive talk will featured visuals on the IMAX screen!

This Jr. Café was the second in North America, as the only other venue is in San Diego, California. This is the first Café Scientifique Jr. for the East Coast! The program is modeled after the International Café Scientifique, held locally the 1st Tuesday of the month (<http://www.physics.syr.edu/cafescientifique/>). Café Scientifique is a community that fosters debate about scientific issues. The junior version involves a guest speaker who gives a presentation on a current science topic and then invites the children, grades 6-12, to ask questions or discuss the topic further. Not only is it a way to get children thinking about math and the sciences. Parents and guardians are invited to join their children as they explore the world around them.

The topic presented on Saturday, December 17 was "A Brief Tour of YOUR Universe," given by Syracuse University physics professor Dr. Mark Trodden. A free snack was provided for attendees before the question-and-answer session. Following the talk, attendees were invited to tour the museum. Future sessions will be held on the third Saturday of the month.

The adult version of Cafe Scientific is held on the 1st Tuesday of the month @Ambrosia's. A \$5.00 fee covers the elegant snacks!

For more information, contact Gwendolyn Maturo at [glmaturo@syr.edu](mailto:glmaturo@syr.edu) or 435-4450.

## **Strategies for the Use of Sustainable and Renewable Energy - Survey of Renewable Energy**

Friday, Jan. 13th 8:00 to 4:30

Speaker: Dr. Robert Meyer and industry experts

Sponsored by SUNY-ESF, MACNY

Location: Genesee Grande Hotel, 1060 East Genesee St., Syracuse

[www.reINVENTCNY.com](http://www.reINVENTCNY.com)

Contact: Susan Pale' 315-469-1736 [sspale@pobox.com](mailto:sspale@pobox.com)

Qualifies for 7 PDHs/CEUs.

Cost: \$145. (\$625. for series of 5 workshops, \$675 after 12/14/05)

## Upcoming Events:

### Biomass and Biofuels

Friday, Jan. 27th, 8:00 to 4:30

Speaker: Dr. Timothy Volk, Dr. Thomas Amidon, Mr. David Tagg  
Sponsored by SUNY-ESF, MACNY  
Location: Genesee Grande Hotel, 1060 East Genesee St., Syracuse

[www.reINVENTCNY.com](http://www.reINVENTCNY.com)

Contact: Susan Pale' 315-469-1736 [sspale@pobox.com](mailto:sspale@pobox.com)  
Qualified for 7 PDH's/CEU's  
Cost: \$145. (\$625. for series of 5 workshops, \$675 after 12/14/05)

### Photovoltaics

Friday, Feb. 3rd, 8:00 to 4:30

Speaker: Dr. Gay Canough  
Sponsored by SUNY-ESF, MACNY  
Location: Genesee Grande Hotel, 1060 East Genesee St., Syracuse

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