

NEW YORK STATE ENGINEERING TECHNOLOGY ASSOCIATION

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WWW.NYSETA.ORG



Spring 2009 NEWSLETTER

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NYSETA
Spring 2009 Conference
at
The SUNY Institute of Technology
April 16th & 17th, 2009



About the Spring 2009 Conference at the SUNY Institute of Technology

The Spring 2009 NYSETA Conference will be hosted by SUNY-IT, The SUNY Institute of Technology, at its main campus on Thursday and Friday, April 16th & 17th 2009. Lodging will be at the Utica Holiday Inn in nearby New Hartford.

The NYSETA Spring 2009 Conference

at the
SUNY Institute of Technology
Thursday and Friday,
April 16th & 17th, 2009

The **State University of New York Institute of Technology**, SUNY- IT, is a campus of the State University of New York located just north of Utica, New York in the town of Marcy.

Established by the SUNY Board of Trustees on June 14, 1966, SUNYIT is the State University's only institute of technology. Originally a graduate and upper-division institution, the college offered classes in temporary locations and at extension sites for several years until the first buildings were constructed on the permanent campus in the 1980s. Planning for construction of four new major buildings is underway: a \$13 million student center, a \$20 million sports complex, a \$27.5 million technology center and a \$22 million dormitory.

SUNYIT's undergraduate degree majors/programs include: accounting,

anthropology, applied mathematics, applied mathematics/electrical engineering, business, civil engineering technology, communication & information design, computer engineering technology, computer & information science, computer information systems, criminal justice, electrical engineering, electrical engineering technology, finance, general studies, health information management, health services management, industrial engineering technology, mechanical engineering technology, nursing, psychology, sociology, and telecommunications. A pre-law curriculum is also offered.

Thursday's NYSETA conference events will be held on the SUNY-IT main campus, just off of Edic Road in Utica. Area and regional equipment manufacturers, as well as, text and software publishers will meet with the conferencees in a campus gathering area. Each exhibitor will have a display table with examples of their latest technological offerings and instruction goods.

**Hotel Rooms are available at
The Utica Holliday Inn**
(in nearby New Hartford, NY)

at a special conference rate of
\$70 per night.
Register before 3/31/09.

The Utica Holiday Inn
1777 Burrstone Road,
New Hartford, NY, 13413)
877-863-4780
315-797-2131 (local).

(Be sure to tell them that you are eligible for the Special NYSETA conference rate!)



The Spring 2009 Conference at the SUNY Institute of Technology -continued

The Plenary Session Lecture

The plenary session will begin with a talk on: **"Cyber Security"**. Mr. Randall Nichols is an associate professor of criminal justice at Utica College, Utica, NY. He is Director of the Computer Forensics Research and Development Center (CFRDC) and Chair of the Cybercrime, Computer Forensics and Information Assurance Undergraduate Major.

Interest Group Sessions:

At the time of this newsletter's release, the following Interest Group Sessions have been scheduled. Check the Conference website via the link on the NYSETA web page at

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

for any changes or updates.

Electrical Engineering Technology:

"Visualization and Manipulation of Nanoscale Components" – Dr. Sala Qazi, Professor, SUNYIT

"Digital Forensics" – John Sargent and Dr. Daniel Benincasa, SUNYIT

Mechanical Engineering Technology:

"Advanced Computer-Integrated Manufacturing/Nanotechnology" – Dr. Digen Das, Professor, SUNYIT

"Alternative Fuel Vehicles" – Dr. Doug Holzhauser, SUNYIT

"Developments in Aircraft Power \ Transmission Systems" – Bob Faass, Senior Staff Engineer, Goodrich

Architectural & Civil Technology:

"Recycling Initiatives" – David Lupinski, Oneida-Herkimer Solid Waste Management Authority

"Stoichiometric Environmental Calculations of Carbon Emissions & Oil & CO₂ Do Mix – CO₂ Sequestration" – Dr. Patrick Kelly, SUNYIT

"Protecting Water Quality During Construction" – Ken Barber, Barber Stormwater Management

Thursday Night Networking Banquet

The *networking hour and banquet* will take place at the Utica Holiday Inn.

The after-dinner speaker will be **Dr. Lisa Bernardino**, of SUNYIT's School of Business. Dr. Bernardino will present a brief talk on ***"Thoughts of the Dalai Lama"***

Friday Business Meeting

The NYSETA Business meeting will be held Friday Morning at the Utica Holiday Inn. The general membership meeting will begin with the reading of the minutes from the Fall '08 business meeting. NYSETA policies and issues will be discussed, followed by a discussion of organizational finances.

A breakfast buffet will be served.



The Spring 2009 Conference at the SUNY Institute of Technology -continued

Friday Field Trips:

There is a scheduled tour of the Orion Bus manufacturing facility in Oriskany, NY. Orion supplies transit buses to over 230 cities in North America, and is currently developing a Diesel Electric Hybrid bus.

For the latest information on scheduled interest group lectures and conference tours, or to download registration forms, driving directions and a campus map, follow the links to the Conference Website through:

WWW.NYSETA.ORG

Conference Fees

The conference registration fee is 90 dollars (\$90 US) if postmarked by 3/31, or 100 dollars (\$100 US), if postmarked after 3/31. Walk-ins are very welcomed. Retired and emeritus NYSETA member can attend for 30 dollars (\$30 US). A guest to the Thursday night networking hour and meal is 30 dollars (\$30 US).

For more information or suggestions contact:

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PO Box 3050
Utica, NY 13504-3050
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About the Fall 2008 Conference at the Rochester Institute of Technology

Another great conference at RIT! The NYSETA membership and executive committee would like to thank: conference chairs Steven Ciccarelli and John Stratton, exhibit chair Jim Mallory, correspondence coordinator Kathy Alhart, as well as the rest of the RIT community that made the conference a great success.

We are also grateful to our patrons and conference exhibitors: Pearson Education, Allegheny Educational Systems, Inc., Goodheart-Wilcox Publisher, Exphil Calibration Labs, Inc, and CENGAGE Learning.

Opening Remarks

The NYSETA conference participants were welcomed by Laurie Brewer, NTID Interim Associate Vice-President for Academic Affairs

Plenary Session

The plenary keynote speaker was H. Fred Walker, the dean of RIT's College of Applied Science and Technology. Mr. Walker discussed his ideas on how to advance Engineering Technology in New York State by working together as institutions and with industry.

Interest Group Sessions

Following the plenary session, interest group sessions were presented as follows:

Electrical Interest Group

- *Medical Devices-Where Engineering Fits In* – Dan Phillips, RIT



About the Fall 2008 Conference at RIT - continued

Electrical Interest Group - continued

- *Motivating Students to Thoroughly Read their Text Books* – James Mallory, NTID
- *Co-operative Education: The Heart of Student Education and Preparation at RIT* – Mike Eastman, RIT

Mechanical Interest Group

- *Running Physical Experiments Outside of the Lab* – George Sutherland, RIT
- *Teaching with a Tablet PC, a New Technology for the Classroom and for Personal Use* – Michael Parthum, RIT
- *Using a Course Management system to Foster Active Learning*– Michael Starendo and Fichard Fasse, RIT

Architectural/Civil Interest Group

- *LEED Building Certification-What is It, Why should Academics do It, and What are the Challenges* – Maureen Valentine, RIT
- *Cost Estimating Technology* – David Hough, LeChase Construction
- *Project Lead the Way-Outreach* – George Zion, RIT

The Evening Banquet and Networking Hour

The evening banquet was held at the conference Radisson Hotel. Instead of a guest speaker, several NYSETA members (John Stratton, Bob Moore, and Bill Darling) shared their early reminiscences of NYSETA. John Stratton was presented with the “Elliot Colchimaró” award for his service and dedication to NYSETA. Marguerite Newton showed everyone Elliot’s NYSETA’s photo book he had prepared. The photobook is viewable from the NYSETA homepage, www.nyseta.org.

Field Trips

There were two tours of RIT facilities in the CAST building. The first tour focused on the NTID (National Technical Institute for the Deaf) area machine shops, CNC labs. The second tour focused on the labs facilities associated with LEED Certification.

We were delighted to have the following individuals in attendance:

Dr. Abi Aghayere,	RIT- CETMS
Timothy Cochran,	Alfred State
Nawaz Khan,	Alfred State
Matt Lawrence,	Alfred State
Ronald Nichols,	Alfred State
Edward Tezak,	Alfred State
Slade Gellin,	Buffalo State College
Ilya Grinberg,	Buffalo State College
Anthony Hotchkiss,	Buffalo State College
Peter Pawlik,	Buffalo State College
John Campbell,	Cayuca CC
Christie Waters,	Cayuca CC
Jonathan Balke,	Corning CC
Brad Cole,	Corning CC
John Longwell,	Corning CC
Richard Prestoprik,	Fulton-Montgomery CC
Bill Darling,	HVCC
Larry Straight,	Jamestown CC



**About the Fall 2008 Conference at RIT
- continued**

In attendance – continued,

Michael Weaver,	Jamestown CC
Mark Oliver,	MCC
William Yanklowski,	MCC
Michael J. Loudis,	Morrisville State College
Marguerite Newton,	NCCC
Mark Voisinet,	NCCC
Robert Southworth,	OCC
Ramesh Gaonkar,	OCC
Ron Hinshaw,	OCC
Eder Benati,	Retired
Robert Moore,	Retired
Don Weiman,	Retired
Walt Banks,	RIT/AARP
Dave Krispinsky,	RIT-ECTET
Ti Lin Liu,	RIT- MMET
Carl Lundgren,	RIT- MMET
Michael J.Parthum,	RIT- MMET
George Sutherland,	RIT- MMET
David Lawrence,	RIT- NTID
Lansing Schantz,	RIT- NTID
Edward Schwenzler,	RIT- NTID
Jim Mallory,	RIT -NTID
Todd Dunn,	RIT-CETEMS
Jeanne Christman,	RIT-ECTET
Steve Ciccarelli,	RIT-ECTET
Ron Fulle,	RIT-ECTET
Clark Hochgraf,	RIT-ECTET
James Hurny,	RIT-ECTET
Warren Koontz,	RIT-ECTET
Daniel Johnson,	RIT-MMET
John Stratton,	RIT-MMET
Scott Bellinger,	RIT-NTID
Thomas Callaghan,	RIT-NTID
Wendy Dannels,	RIT-NTID
Diane Heyden,	RIT-NTID
Marcus Holmes,	RIT-NTID
Dino Laury,	RIT-NTID
William LaVigne,	RIT-NTID
Benjamin Magee,	RIT-NTID
Sidney McQuay,	RIT-NTID
Anthony Spiecker,	RIT-NTID
Joe Stanislow,	RIT-NTID

Dominic Peroni,	RIT-NTID DES
Jayne Baran,	SUNYIT
Daniel Benincasa,	SUNY T
Salahuddin Qazi,	SUNYIT
Mohamed Rezk,	SUNYIT
Bill Kleitz,	Tompkins Cortland CC
Ken Vandermark,	Vermont Technical College
Ron Lehman,	Retired
Don Voisinet,	Retired

The Friday Morning Business Meeting

The breakfast business meeting on Friday morning was held at the Radisson hotel and was called to order at 8:00 am by President John Campbell. Minutes of the spring 2008 meeting at Fulton-Montgomery were approved.

John noted the following schedule for future conferences and asked everyone to consider hosting:

Spring '09	SUNYIT
Fall '09	Open
Spring '10	Buffalo State
Fall '10	SUNY Morrisville

The next deadline for newsletter submissions is Friday, February 9, 2009. Send submissions via e-mail to Michael Loudis, at:

Loudismj@morrisville.edu

Newsletters will no longer be mailed; instead they will be posted on the web. If you are an institutional representative, consider printing out and distributing hard copies on your campus.

NYSETA's balance is \$22,108 as of October 17, 2008. The scholarship fund's balance is \$5,674.

Steven Ciccarelli, Slade Gellin, and Marguerite Newton summarized the interest group sessions.



About the Fall 2008 Conference at RIT
– *continued*

Several suggestions were made for future conferences:

- Continue a general session on continuous improvement
- Provide a downloadable parking pass (if allowed by the school)
- Consider asking for speakers via the NYSETA listserv and pay the registration fee for those speakers
- Provide PDH credits via each school's continuing education department

Ken Vandermark is now the scholarship chair. Ken noted that the three main categories are scholarship, leadership and club activity. He also asked members to provide enough details so that the scholarship committee can make well-informed decisions. There was some discussion concerning the benefits of the scholarships and whether the cap of \$6,000 should be raised. The executive board will discuss during their next meeting.

John noted that member-at-large and interest group leader elections will be held spring 2009. If anyone is interested in these positions please let John Campbell know via e-mail.

Everyone gave thanks to RIT and NTID crew for a wonderful conference.

The meeting was adjourned at approximately 10:15 am tours to the RIT CAST Building-LEED Gold Certified and the NTID Machine Shop and Facilities.

Respectfully submitted,
Jayne Baran,
Secretary, NYSETA

**A Letter from the President,
John Campbell**

NYSETA celebrated our 45th anniversary of this organization at the Fall 2008 Conference at Rochester Institute of Technology. 45 years is an accomplishment and everyone that was involved in forming this organization should be complemented. This organization is very important in forming the technical and engineering education of New York State and Vermont. To celebrate this at an RIT conference was a memorable affair.

The conference started out with John Stratton running an Outcomes Assessment-Closing the Loop informative session. The plenary Session with Dean Fred Walker discussing "Advancing Engineering Technology in New York: Working Together" showed how RIT and this organization, NYSETA, are relevant to New York State and of course Vermont in dialog towards addressing the changing engineering and technology needs. The importance of NYSETA was reinforced at the RIT conference. The interest group sessions were important and relevant.

The changes over the years at RIT reflect continuous changes and it was obvious to me that NYSETA also has evolved with changing times. The reason this organization is 45 years old is that it is relevant. At the RIT conference, we were addressing assessment, SUNY reviews, ABET issues, academic challenges, engineering relevance, co-operative education, running experiments, new teaching technologies, online courses, and new challenges we face as educators. These were the interest group sessions and the plenary session at the RIT conference. This is why this organization is getting better with age.



A Letter from the President – continued

I want to thank the volunteers for hosting the Fall 2008 conference. Everything at the conference was first class and the interest groups were outstanding. Thanks to Steve Ciccarelli and John Stratton for Co-Chairing. Thanks to past president and exhibits chair Jim Mallory. Thanks to Todd Dunn, Mike Eastman, Mike Parthum, for the interest group sessions. Thanks to Kathy Alhart and the entire RIT community for an excellent conference.

One of my favorite honors of the Presidency is presenting the Elliot Colchamiro Award on behalf of NYSETA to a dedicated person that did a lot for our organization. This past fall conference at RIT it was my pleasure to present the award to John Stratton, the “newly” elected Vice President of NYSETA. He accomplished many milestones in his lustrous career at RIT and many other organizations that he generously dedicates himself. As most of you know, John recently retired from RIT and decided to volunteer to help our association. He did this unknowing that the Executive Committee already nominated him for the “Elliot” award.

We are grateful that John will be helping us organize conferences and other duties that are unknown to many people. This is the way John kicks back and enjoys his retirement. It was a honor to present this award with your wife and many of your RIT colleagues at the dinner. Congratulations John and thank you for everything you do for NYSETA.

We are looking for some volunteers to step up to host future conferences. If you and your college are interested in hosting please contact VP John Stratton or myself. If you have never hosted or have not hosted in a while please step up and help NYSETA keep the conferences Biannual

and relevant to current trends in industry and education.

The odd dated spring conferences, like spring 2009, are the election year for the three Interest Group Chairs and the five Members At Large of the Executive Committee. Anyone interested in running please email the executive committee and be at the business meeting on that Friday morning, if possible. The positions are elected for a two year term and shall serve until 2011. We will accept nominations before the spring conference and need their consent prior to the election. You can nominate yourself and nominations from the floor will be accepted at the business meeting. A vote for the five at-large positions will take place at the Friday business meeting. The Interest Group Chairs will vote during the Interest group business meetings on Thursday.

I am looking forward to the next conference at SUNYIT at Utica on April 16th and 17th, 2009. I hope to see everyone at SUNYIT this spring.

Sincerely,
John Campbell
President, NYSETA

Letter from the Vice President, John Stratton

Many thanks to Steve Ciccarelli at RIT for the fine Fall 2008 Conference. It was very good to be challenged by the new Dean to work together on projects and research. There were many fine presentations.

I am sure that SUNIT will do an excellent conference for Spring 2009.



A Letter from the Vice President
– continued

We still have many open dates for conferences.
Please contact me with your invitations!

FYI: I will have had 22 trips in a year by June 1.
What retirement!

Sincerely,
John Stratton,
Vice President,
NYSETA

Treasurer's Report - Kathleen Gallagher

Our scholarship fund reached its maximum cap of \$6000.00. Ken Vandermark, the Scholarship Committee Chairman, will be mailing out Student Scholarship Applications to all members. Please remember to submit them in a timely manner to the Scholarship Committee. Only NYSETA members can submit the scholarship application on behalf of a graduating student. In the past, individual awards have been \$300.00 to \$400.00!

Below is NYSETA's current balance sheet ending February 12, 2009.

INCOME: **\$26,914.51**

Balance 8/31/2008:	\$21,698.38
Member dues collected to date:	430.00
Institutional dues collected:	2,100.00
Interest Earned on Certificate of Deposit 9/11/08	408.43
Fall 2008 Seed Money Returned by RIT	500.00
Fall 2008 Conference Surplus – RIT	1,775.88
Interest on Savings (9/1/08-1/31/09):	1.82

EXPENSES: **\$ 1,816.00**

Fall 2008 Executive Committee Meeting Expenses	1,199.00
Spring 2009 Conference Seed Money to SUNY-IT	500.00
Check Printing	42.00
Award – Plaque	75.00

ENDING BALANCE: February 12, 2009 **\$25,098.51**

13 month Certificate of Deposit (9/08-10/09)	\$17,437.13
Savings Account	3,072.73
Checking Account	4,588.65



Treasurer's Report - continued

A thank-you goes to these 21 colleges that paid dues this academic year: Adirondack Community College, Alfred State, Broome Community College, Buffalo State College, Bronx Community College, SUNY Canton, Cayuga Community College, Corning Community College, Dutchess Community College, Excelsior College, Fingerlakes Community College, Fulton-Montgomery Community College, Mohawk Valley Community College, Nassau Community College, New York City College of Technology, Queensborough Community College, SUNY College of Environmental Science and Forestry, SUNY College of Technology, SUNY-IT, Tompkins-Cortland Community College, and Technical Career Institute.

It's not too late to send in your dues. If you plan to attend the spring conference, our host, SUNY-IT will collect membership dues (still \$10.00 per academic year) along with their conference fee. I'm looking forward to seeing you in Utica on April 16 & 17.

Respectfully Submitted,
Kathleen Gallagher, PE
Civil Engineering Technology Program Coordinator
Nassau Community College

New York State Engineering Technology Association 2009 Student Scholarship Nomination

A student club or organization may nominate a student who has demonstrated talent and/or leadership in the areas of Campus Service, Student Activities and/or Outstanding Scholarship, as they pertain to technology. Financial need is not a basis for nomination. No more than one student may be nominated from each student organization. Each college may nominate no more than three (3) candidates per year.

The Scholarship nomination form is found as a link on:

www.nyseta.org/documents.htm.

The nomination form to be received by the scholarship committee no later than April 7, 2009. The form should be filled out by a faculty member or division chair recommending the student (not by the student). Completed applications should be returned to:

Ken Vandermark
Vermont Technical College
P.O. Box 500
Randolph Center, VT 05061



News from around the State

Buffalo State

Buffalo State College has the go-ahead for a new Technology Building; \$41,000,000.00 has been allocated to the project. The building will house the Technology Department and the Computer Information Systems Department. It may be completed by around 2012.

NYSETA member Peter Pawlik has retired, and is currently in Florida. Dr. Athony Hotchkiss has agreed to be the NYSETA representative for Buffalo State.

Fulton Montgomery Community College

Nanoscale Manufacturing Curriculum for Advanced Technology Education (NaMCATE) Workshop

Several NYSETA members attended the Nanoscale Manufacturing Curriculum for Advanced Technology Education (NaMCATE) workshop held at the South Point Hotel, Casino and Spa in Las Vegas on January 8-9, 2009.

Rich Prestopnik, from Fulton-Montgomery Community College is a CO-PI of the NSF funded project. Mark Oliver from Monroe CC, John Longwell from Corning CC, Al Gerth from Corning CC, and Sala Qazi from SUNYIT were participants at the workshop. The two-day workshop introduced a team of 30 community college educators across the US to a newly developed nanotechnology curriculum. The workshop participants will field test the curriculum at their respective colleges during the spring 2009 semester.

Pictured to the right are NYSETA members: Sala Qazi, John Longwell, Al Gerth, Mark Oliver and Rich Prestopnik





Fulton Montgomery Community College - continued

Career Curriculum for Technology Project (CcfT).

Richard J. Prestopnik has been involved in a NSF grant called the “Career Curriculum for Technology Project (CcfT).” The project is managed through Hofstra University and one of the project outcomes is creating a high school level textbook. The book is being released this March by Delmar Cengage Learning and is entitled “Engineering and Technology.” In addition to usual textbook features, each chapter has two detailed design activities for the students. Richard has wrote two of the chapters; one on Electricity and Electronics and the other on Computers and Computer Architecture.

SUNY College of Environmental Science and Forestry

by George H Kyanka

The Construction Management and Wood Products Engineering Department at SUNY-ESF is pleased to announce a new concentration in Sustainable Construction and Renewable Materials and two new hires to support this effort. Dr. Jennifer Smith, PE, will be teaching courses for sustainable construction management and performing research in the area of bio-based construction materials. Paul Crovella, PE, LEED AP, will be helping develop new courses for the concentration, as well as teaching both construction management and wood products engineering students.

Morrisville State College

Governor Paterson visits Morrisville State College

By: Morrisville's “Chimes” College Newspaper staff: Dawn McGarrigle, '09; Kendra Spenard, '10; and Heather Foster, '10

New York State Governor David A. Paterson called the current fiscal situation “the worst economic crisis in New York State history” during Thursday's Town Hall Meeting at Morrisville State College.

The event was moderated by former SGO President Patrick King and MSC President Raymond Cross. The meeting gave students an opportunity to ask questions about the economic crisis as well as other issues that affect the student body.

Topics ranged from the budget to manufacturing, child obesity, child care, job opportunities for graduates, the Brennan Commission and alternative energy. Students were able to post a question when registering for the event. Questions were then chosen by MSC to be posed to Paterson.



Governor Paterson speaks in the STUAC theater with college president Ray Cross and former SGO president Patrick King listening on. Photo by: Jeff Witherow



Morrisville State College

Governor Paterson visits Morrisville State College - continued

Legislative leaders are expecting to receive \$5 billion in federal funds for New York State. Despite this, Paterson's 2009-2010 budget, which starts April 1, will not incorporate any funds from the federal stimulus.

Paterson said in a previous interview with the Albany Times-Union, "Any stimulus aid we receive will only cover a fraction of our long-term deficit," Paterson said. "We cannot look to Washington to solve all our budget problems."

SUNY has faced a \$620 increase in tuition per semester. Paterson said he believes that cuts to SUNY will have a greater immediate effect than they will in other state agencies.

Paterson referred to cuts made in college universities as "shooting ourselves in the foot," since our current students will someday be leading the country. It's unfortunate that funding has been cut, Patterson said. He added that he hopes the cuts to SUNY will be short-term.

The governor said he hopes to improve New York State's economic situation through higher and alternative energy. Paterson discussed "the most ambitious" alternative energy plan in the United States. The plan is being called the "45 by 15," and it entails converting 45 percent of our energy into renewable resources by the year 2015.

Paterson expects this will create 50,000 jobs within the next five and a half years. "We need this badly," he said.

President Ray Cross said "This is a time to be aware, engaged and involved."

Senator David Valesky closed the meeting with words of advice: "To get the state back on the right track we believe the input you give to us will help us improve to a better New York."

Morrisville Campus Plans Science Program

The Morrisville Norwich Campus is sponsoring an exciting program for 14 to 20 year old students. The program's goal is introduce young women and young men to the opportunities that exist in the fields of Science, Technology, Engineering and Mathematics, (i.e., "STEM"). The program will provide the opportunity for participating to get a look at real world careers by interacting with people already working in those fields.



Morrisville State College

Morrisville Campus Plans Science Program – continued

Meetings will be held twice a month from mid-January until early May 2009 at Morrisville's Norwich Campus, though it is anticipated that a few meetings will be held at some local high-tech businesses. Parents may also attend the sessions since they will be held evenings from 6:30 to 8:00.

The STEM Coordinating Committee is committed to providing quality experiences for the youth of the area. The Exploring program is nationally known for providing youth with opportunities that will help them have a brighter future. Further information on the program is available through the Unadilla Valley Central School District website: www.uvstorm.org.

Morrisville State College Receives Grant for Controlled Environmental Agricultural Project by Jessica DeCerce

Morrisville State College will extend its research in development of local food markets and renewable energy with a new project which combines its strengths in agriculture and technology. The college, in partnership with O'Brien and Gere, and SUNY ESF, is developing a pilot-scale integrated controlled environmental agricultural (CEA) system featuring hydroponics, aquaculture and native algae cultures. The research is made possible with support from a \$125,000 grant from the Empire State Development Corporation, made possible with the strong support of State Senator Dave Valesky.

“Morrisville State College's Controlled Environmental Agriculture project will provide the kind of applied research that is desperately needed, answering questions and developing efficiencies so that it becomes feasible for local farmers and producers to make locally grown crops available year round,” said Dr. Ray Cross, Morrisville State College president.

The goal of Morrisville's CEA project is to evaluate the potential of year-round production of locally grown food, including fish, lettuce, and strawberries. The project will include design and testing of an algae photo-bioreactor, and use existent technologies from aquaculture, hydroponics, and aquaponics. Aquaponics have the potential to reduce cost and environmental impacts through shared energy requirements and utilization of waste products from one system component by another.

Integration of algae into the system adds the potential benefits via sequestering carbon, providing oxygen to the aquatic species, producing oil for biodiesel, and producing a feed additive for fish or livestock. Heat given off from power generation would be used to warm fish tanks in the greenhouse. Fish would be harvested for sale, and waste from the fish would be used to fertilize the vegetables.

Potential economic benefits include extending the growing season for farmers, decreasing cost to transport local products, and increasing the size of the agricultural workforce.



Niagara County Community College

NCCC Hosts 12th Annual Tech Wars

The Lockport School District won its third consecutive team championship at the 12th annual Tech Wars competition hosted Niagara County Community College on January 14, 2009. Tech Wars welcomed over 550 middle and high school students from 21 school districts from Niagara and Erie Counties along with another 100 faculty, staff and industry professionals.

Tech Wars is a friendly, creative and academically-based technology competition which pits middle and high school students in multiple project-based events of skill and ability. Students in local schools design and build robots, cars, bridges, and other technology-based projects that they enter into a 19 competitions against other local schools and students.

Tech Wars was conceived in 1997 by Niagara County high school technology faculty as a way to bring students together to engage in friendly academic and technology-based competitions. It is the longest running technology competition of its kind in New York State. Teachers and students learn and work together to bring multi-discipline approaches to CADD, electronics, mechanics, robotics and other creative engineering based technologies. Student designs, ideas and strategies help them bring real world applications into their classrooms. School Districts entered compete for the WNYTEA Tech Wars Cup and each of the top three winners in each event are awarded prizes and points for their school's total score.

Tech Wars is starting to spread in New York State and potentially out of state. Two additional counties, Erie and Genesee have also hosted Tech Wars events for two years running and the Niagara County Event Coordinators have been receiving calls from out of state institutions that are interested in hosting Tech Wars events of their own.

The Niagara County originators are available for sharing information to host your own event and also typically assist with the organization of first-run events. Although the general format has typically been mimicked, the format is versatile enough to allow for unique ideas and events.

For a full list of events and great photos of each go to: <http://www.wnytea.com/NCCCTW.html>

If you are interested in hosting a Tech Wars in your region, please contact Mark Voisinet at mvoisine@niagaracc.suny.edu.

Four retirements from NCCC Technology Division

In 2008, NCCC had four retirements from the Technology Division, Professor Pat Zanzano (39 years) from the Mechanical Technology Department as well as Professor David Adams (26 years) and Professor Chuck Fowle (40 years) both from the Electrical Technology Division and Stu Cracknell (21 years), Technical Assistant. Although we wish each of them well in their retirements, they will sorely be missed.



SUNY Institute of Technology (SUNYIT), Utica, NY

Compiled by Jayne Baran from various sources

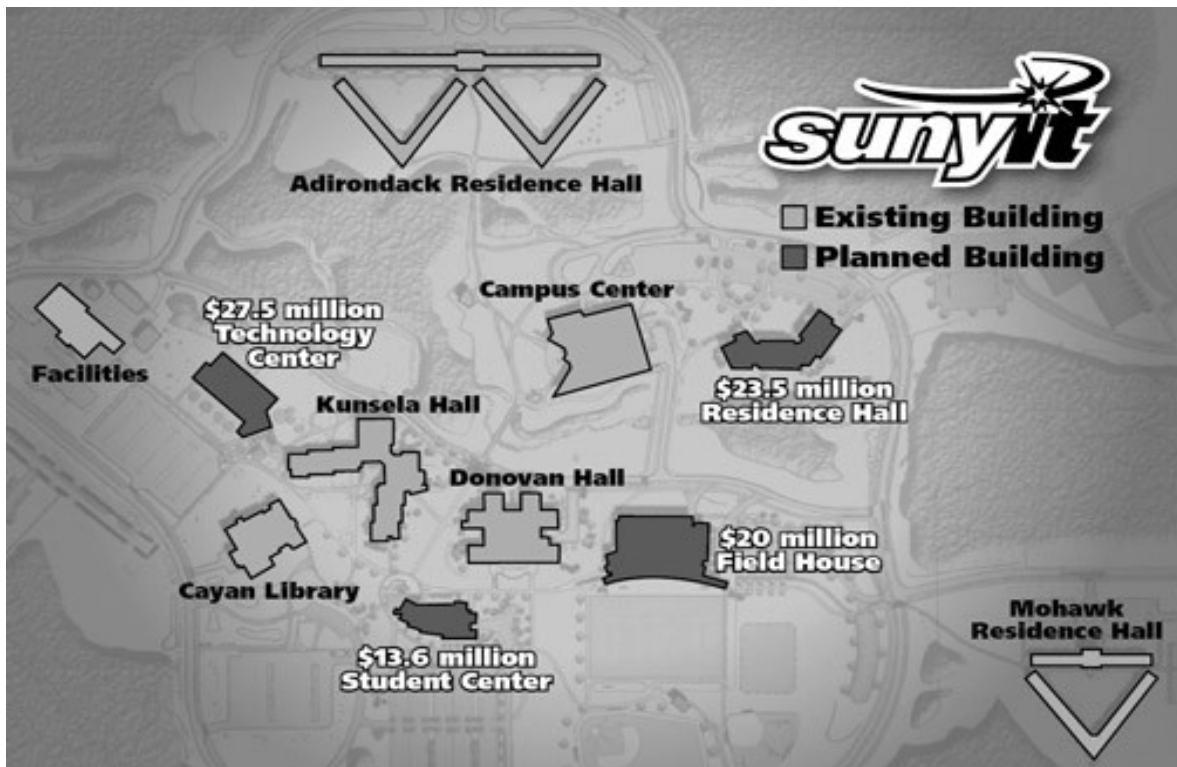
Ceremonial Groundbreaking-New Student Center

State legislators and other dignitaries joined faculty, staff and students October 23, 2008 at a groundbreaking ceremony for SUNYIT's \$13.6 million student center, the first of four major building projects planned on the campus in Marcy.

Officials said investment in infrastructure at the area's four-year public college is critically important for future regional workforce development, especially given the current state of the economy. They also said money for capital projects such as the student center is approved separately from operating budgets for SUNY campuses, and capital money cannot be spent for other purposes. Funding for the student center was authorized in the state's 2005-06 capital budget. Actual construction of the student center will begin in 2009, with completion slated for 2010-11.

Other Planned Buildings

SUNYIT is also planning a \$20 million field house, a \$27.5 million advanced technology center, and a \$23.5 million residence hall. Preliminary scoping of the advanced technology center (ATC) will begin early 2009.





NYSETA Institutional Representatives

If you would like to take over as IR for your institution send an Email with a statement to that effect to Jayne Baran, ETA Secretary at: W: 315.792.7542, Fax: 315.792.7800, or E-mail: barans@sunyit.edu

Institution	Institutional Representative
Adirondack Community College.....	Diane Dalto
Alfred, SUNY College of Technology.....	Ron Nichols
Bronx Community College.....	Nasser Abdellatif
Broome Community College.....	Arthur Haas
Buffalo State, SUNY College	Anthony Hotchkiss
Canton, SUNY College of Technology....	David Hartle
Cayuga Community College.....	John Campbell
Clinton Community College	Al Cordes
Corning Community College.....	Shawn Kennerson
Delhi, SUNY College of Tech.....	?
DeVry Institute of Technology.....	Robert Brunson
Dutchess Community College.....	James Brazee
Erie Community College North.....	?
Excelsior College.....	Bob Moore
Farmingdale, SUNY College of Tech....	Jeff Hartman
Finger Lakes Community College.....	Marsha Walton
Fulton-Montgomery Community Coll.....	Richard Prestopnik
Herkimer County Community College....	?
Hudson Valley Community College.....	Susan Kilgallon
ITT Technical Institute (Getzville).....	Fran Olgletree
Jamestown Community College.....	Charles Rondeau
Mohawk Valley Community College.....	Bryan Alguire
Monroe County Community College.....	Mark Oliver
Morrisville State College.....	Ms. Christine Cring,
Nassau County Community College.....	Fred Schoenfeld
New York City Technical College.....	Gerada Shields
Niagara County Community College.....	Charles Fowle
Onondaga County Community College....	Ramesh Gaonkar
Orange County Community College.....	Arlin Bartlett
Queensborough Community College.....	Stuart Asser.
Rochester Institute of Technology.....	Martin Gordon
Rockland Community College	Morton Leifer
Schenectady County Community College...	Ruth McEvoy
Suffolk County Community College.....	Peter Maritato
SUNY Environ Sci/ Forestry at Syracuse..	George Kyanka
SUNY Institute Of Technology @ Utica – Rome.....	Mme. Jayne Baran
Technical Career Institutes Inc.....	Jerome Zornesky
Tompkins Cortland Community College...	Charles Bechtold
US Merchant Marine Academy	Charles Hubert
Vaughn College of Aeronautics (Flushing)..	Andrew Grossfield



NYSETA Institutional Representatives

Institution	Institutional Representative
Vermont Technical College.....	Ken Vandermark
Westchester Community College	Raymond Mignogna

About Our Next Newsletter....

Our Next Newsletter will be distributed the third week of September 2009. Articles received prior to September 7th, will be included. You'll notice that more space is being allotted to colleges in "News from around the State," even allowing the inclusion of modestly sized photographs or diagrams. In as much as the newsletter is to be downloaded from the web and not mailed (at great cost), I welcome the opportunity for the newsletter be the NYS Engineering Technology educator's journal of record. Your articles are welcome, and greatly appreciated.

Your NYSETA Colleagues and I would be delighted to hear of anything of special interest happening on your campus such as:

1. New curricula being considered,
2. Changes in your staff,
3. Grant activities, successful or not,
4. New technology authors on your staff,
5. Engineering Technology teaching positions open at your college,
6. New Technical facilities planned or under construction on your campus
7. Recent retirements, promotions, or other staff changes on your campus,
8. TAC-ABET accreditation visits, and,
9. Noteworthy awards to personnel or students.

You may email articles to the editor at: Loudismj@morrisville.edu

I receive lots of spam and lots of other unwanted e-mail, and delete most of it immediately, so be sure to type "NYSETA NEWSLETTER" as the subject of your e-mail.

You are also welcomed to send paper copies of your articles to:

Michael J. Loudis
NYSETA Newsletter,
Morrisville State College,
Galbreath Hall,
Morrisville, NY 13408



**The NYSETA
Spring 2009 Conference**

at the

SUNY Institute of Technology

Thursday and Friday,

April 16th & 17th, 2009

Visit the Spring '09 Conference Website!

Follow the links to the Conference Website through:

WWW.NYSETA.ORG

The conference website includes registration forms for the conference, driving directions to the campus and other information and updates.

**Hotel Rooms are available at
The Utica Holiday Inn**

(in nearby New Hartford, NY)

at a special conference rate of

\$70 per night.

Please register before 3/31/09.

The Utica Holiday Inn

1777 Burrstone Road,

New Hartford, NY, 13413)

877-863-4780

315-797-2131 (local).

Be sure to tell them that you are eligible for the special NYSETA conference rate!