

# NEW YORK STATE ENGINEERING TECHNOLOGY ASSOCIATION

PO Box 7203, Garden City, NY 11530-7203

[WWW.NYSETA.ORG](http://WWW.NYSETA.ORG)



## Spring 2010 NEWSLETTER

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#### Electrical

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**NYSETA**  
**Spring 2010 Conference**  
at  
**Buffalo State College**  
**April 22<sup>nd</sup> & 23<sup>rd</sup>, 2010**



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## About the Spring 2010 Conference at Buffalo State College

The Spring 2010 NYSETA Conference will be hosted by Buffalo State College, at its main campus on Thursday and Friday, April 22<sup>nd</sup> & 23<sup>rd</sup> 2010. Lodging will be at the Salvatore's Grand Hotel in nearby Williamsville.

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### **The NYSETA Spring 2010 Conference at Buffalo State College Thursday and Friday, April 22<sup>nd</sup> & 23<sup>rd</sup>, 2010**

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Buffalo State College was founded in 1871 as the Buffalo Normal School and later became the Buffalo Normal and Training School, then New York State Teachers College at Buffalo.

There are approximately 9,000 undergraduate and 2,100 graduate students enrolled. Of those who are currently enrolled, a majority of the college consists of students who commute rather than those who reside on campus. Students both in and out of state, as well as international, are a foundation of the student body. Because of the numerous places of origin of its students, Buffalo State is known for its diversity on campus.

Buffalo State has 130 programs in liberal arts and science, technology, and education. Unique programs offered at Buffalo State include: Adult Education, Art Conservation, Creative Studies, Engineering Technology, Fashion and Textile Technology, Fiber Design, and Forensic Chemistry. Buffalo State College was the first school in the world to grant a master of science

degree of Creativity. The college also now offers an undergraduate minor in Creative Studies. This is facilitated by the International Center for Studies in Creativity, which is housed on campus. The associated research center, the Great Lakes Center, conducts research with a facility on the Niagara River and a fleet of small craft.

The campus has an art museum, the Burchfield-Penney Art Center, on campus and a College radio formatted station, WBNY which broadcasts from the campus on 91.3 (MHz) The college competes in NCAA Division III sports as the Bengals. There are many student organizations including 25 fraternities and sororities. Buffalo State College has made it on U.S. News & World Report America's Best College Colleges 2007.

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**Hotel Rooms are available at  
Salvatore's Grand Hotel**  
(in nearby Williamsville, NY)  
at a special conference rate of  
**\$92 per night.**  
Register before 3/31/10.

**Salvatore's Grand Hotel**  
6675 Transit Road,  
Williamsville NY 14221  
(716) 636-4900.

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

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Thursday's NYSETA conference events will be held on the Buffalo State College's main campus, just off of Grant Street and Route 198 in Buffalo. 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



## The Spring 2010 Conference at Buffalo State College - continued

a display table with examples of their latest technological offerings and instruction goods. Brunch will be served at the Butler Library.

### The Plenary Session Lectures

The plenary sessions will begin with an initial presentation by **Dr. Steve Macho**, of Buffalo's Technology Department on "**Articulation for Engineering Technology.**" It will then be followed by a presentation by Dr. John Williams, chair of the Engineering Technology Division of ASEE, on "**Engineering Technology National Forum.**"

### 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.

### Architectural & Civil Technology:

*"Highlights of Local Building Projects"* -  
Eric Gottorff, Project Architect, Valerie Sirianni, Structural Engineer

### Mechanical Engineering Technology:

*"Benefits of Using Student Teams on Industrial Projects"*  
Ed Czechowski, Manager  
PA Compressor Dev. & Technology  
Cameron Compression Systems

*"Virtual Environments for Academic and Industrial Applications"*

Dr. James Mayrose, Technology Dept.

*"Engineering Demands of a Small-Size Company"*  
Wayne A. Hemmerling  
Engineering Manager,  
McGard LLC

### Electrical Engineering Technology:

*To be announced.*

### Thursday Night Networking Banquet

The *networking hour and banquet* will take place at the Salvatore's Grand Hotel. There will be an after-dinner presentation.

### Friday Business Meeting

The NYSETA Business meeting will be held Friday Morning at the Salvatore's Grand Hotel. The general membership meeting will begin with the reading of the minutes from the Fall '09 business meeting. NYSETA policies and issues will be discussed, followed by a discussion of organizational finances.

A breakfast buffet will be served.

### Friday Field Trips:

There are two scheduled tours for conference participants to choose from. The first is a visit to the Ira G. Ross Aerospace Museum; the second tour is to the Frank Lloyd Wright's Darwin Martin House

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](http://WWW.NYSETA.ORG)



## The Spring 2010 Conference at Buffalo State College - continued

### Conference Fees

The conference registration fee is 95 dollars (\$95 US) if postmarked by 3/31, or 105 dollars (\$105 US), if postmarked after 3/31. Walk-ins are very welcomed. Retired and emeritus NYSETA member can attend for 40 dollars (\$40 US). A guest to the Thursday night networking hour and meal is 50 dollars (\$50 US).

For more information or suggestions contact:

Dr. Slade Gellin  
Buffalo State College  
Technology Department, UH 315  
1300 Elmwood Avenue  
Buffalo, NY 14222  
(716) 878-6017 (main office)

## About the Fall 2009 Conference at Corning Community College

Another great conference at CCC! The NYSETA membership and executive committee would like to thank conference chair Al Gerth, as well as Debra Dudick, John Longwell, Brad Cole, and Jon Balke for a job well done.

We are also grateful to our patrons and conference exhibitors: Goodheart-Willcox Publishers, Armfield Incorporated, Allegheny Educational Systems, Studica Incorporated, Exphil Calibration Labs, HiTech Inc., ELE Inc. and Tech-Ed Systems.

### Pre-Plenary Presentation

A pre-plenary session was held on "ABET Accreditation" and was moderated by John Stratton from RIT and Ed Tezak from Alfred State.

### Plenary Presentation

Carlos Stroud, from the University of Rochester gave an interesting plenary presentation on "Quantum Weirdness" in the planetarium.

### Interest Group Sessions

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

#### Mechanical/Energy/Manufacturing

- *"An Update to the ASME Y14.5-2009 Standard"* – Don Day, Tech-Ease, Inc.
- *"Introduction of Some New Topics in Strength of Materials"* – Ti Lin Liu, RIT
- *"3D Plotter Demonstration"* – Gary McHugh, CADimensions

#### Electrical

- *"Television Cameras for Challenging Industrial Environments"* – David Stewart & Jonathan Quartly, Mirion Technologies Corp.
- *"Industrial Research in the New Millenium at Corning Incorporated"* – Gregory Williams, Corning Inc.
- *"Using the Virtual World of Second Life to Teach Computer Hardware and Trouble-Shooting"* – James Mallor, RIT

#### Architectural and Civil

- *"Geothermal Energy Applications"* – Greg Barr, Hunt Engineers & Architects
- *"Green Building Initiatives"* – Larry Foor, Foor and Associates
- *"AutoDesk REVIS Software"* – Joe Magliocca, Hunt Engineers & Architects

After the technical sessions, Larry Josbeno from Corning Community College delighted us with a planetarium show.

### The Evening Banquet and Networking Hour

The evening banquet was held at the Radisson Hotel. The guest speaker was Brian Longwell a professional comedian who has an MS in



## About the Fall 2009 Conference at Corning Community College - continued

electrical engineering. On Brian's website, (<http://www.brianlongwell.com/>), he lists himself as a non-inspirational, non-motivational speaker. *"Motivational speakers try to get people fired up about working. I prefer to address the question as to why show up in the first place."* Besides making us laugh, he taught us that visuals can transmit a lot of information.

## Friday Field Trips

There were two conference field trips. One was a tour of the Corning Incorporated Power Plant, and the other was a tour of the Hilliard Corporation Drive Train Manufacturing Plant.

We were delighted to have the following individuals in attendance:

Jon Balke,	Corning CC
Susan Balke,	Guest
Jayne Baran,	SUNYIT
Dan Benincasa,	SUNYIT
John Campbell,	Cayuga CC
Joy Carlson,	Alfred State
Steve Ciccarelli,	RIT
Brad Cole,	Corning CC
Dale Crandall,	Corning CC
Digendra Das,	SUNYIT
Debra Dudick,	Corning CC
Tom Dunbar,	Corning CC
Kathleen Gallagher,	Nassau CC
Slade Gellin,	Buffalo State College
Al Gerth,	Corning CC
Arthur Haas,	Broome CC
Anthony Hotchkiss,	Buffalo State College
Nawaz Kahn,	Alfred State
William Kelly,	Broome CC
David Lawrence,	RIT
Ti Lin Liu,	RIT
Bill Kleitz,	Tompkins Cortland CC
Jack Kohn,	Fulton-Montgomery CC
Dave Krispinsky,	RIT
Roger Lehman,	Niagara CC (Retired)

Gary Long,	RIT
John Longwell,	Corning CC
Michael Loudis,	Morrisville State
Jim Mallory,	RIT/NTIC
Jeffery Marshall,	Alfred State
Marguerite Newton,	Niagara CC
Ron Nichols,	Alfred State
Mark Oliver,	Monroe CC
Michael Parthum,	RIT
Michael Preschtl,	Corning CC
Richard Prestopnik,	FMCC
Mohamed Rezk,	SUNYIT
Lanny Schantz,	RIT/NTID
John Stratton,	RIT (Retired)
Ed Tezak,	Alfred State
Kenneth Vandermark,	Vermont Tech College
Melanie Villatoro,	NYCCT
Don Voisinet,	Niagara CC
Christie Waters,	Cayuga CC
John Williams,	Alfred State

## The Friday Morning Business Meeting

The breakfast business meeting on Friday morning was held at the Corning Radisson Hotel. The business meeting was called to order at 8:47 am by President John Campbell. John thanked Corning for hosting the conference. Al, Jon, John, Brad and Deb did a great job!!!

John mentioned the need to recruit new members. The membership moved, seconded and approved a "buy 1 get 1 free registration" for new or formerly active (>5 years nonactive) faculty. We will try it for the next 2 conferences. Institutional reps also need to be updated and encouraged to recruit.

The executive board members are up for election next spring 2010. If you are interested, please contact John Campbell.

John mentioned the need for a contact person with respect to exhibitors. Tony Hotchkiss volunteered. His name and e-mail address will



## The Friday Morning Business Meeting - continued

be added to the NYSETA website.

Vice-President John Stratton noted the following schedule for future conferences and asked everyone to consider hosting a future conference. The executive committee is willing to help.

**Spring '10** Buffalo State (April 22<sup>nd</sup> and 23<sup>rd</sup> co-hosted by Slade Gellin and Ilya Grinberg)

**Fall '10** Vermont Tech or Broome CC

**Spring '11** Morrisville State College

Minutes of the fall 2008 meeting were approved. Jayne Baran reminded everyone that updates to the listserv's can be sent to her or Dan Benincasa at SUNYIT. Updates to the mailing list can be sent to Kathleen Gallagher.

Treasurer Kathleen Gallagher reported on the current budget numbers:

*NYSETA funds are at an all time high. We currently have \$24,865.41. \$18,192.04 is earning interest in a CD that is maturing in October 2009. The rest is tucked away safely in our checking and savings account to be used for scholarships in the spring and executive committee travel expenses and other incidental costs (PO Box/awards/certificates). SUNYIT recently reported a conference surplus of \$2,104.21. As stated in our current bylaws, 50% of this money will go to our scholarship fund. Dues notices will be mailed out in October. We are also collecting membership dues along with the conference registration fees.*

Newsletter articles will be due in January for the spring 2010 newsletter. An e-mail reminder will be sent.

Steve Ciccarelli (Electrical), Slade Gellin

(Mechanical) and Marguerite Newton (Civil/Architecture) summarized the interest group sessions.

The mechanical group discussed the place for finite element analysis in the engineering technology curriculum and suggested an open discussion session on the future of engineering technology education for spring 2010.

Ken Vandermark from the Scholarship Committee announced that he will be retiring spring 2010 and a new scholarship chair will be needed. John Longwell and Mark Oliver agreed to be members of the scholarship committee, beginning spring 2010.

Al Gerth asked whether NYSETA should have standard speaker gifts. Gifts are usually left up to the host since speakers can vary (local or non-local, faculty or private, etc.) Sometimes certificates are given; a standard speaker certificate will be added to the NYSETA website.

Steve Ciccarelli noted that many schools are looking for scholarship. Presenting at NYSETA might not count because the presentations are not peer-reviewed. John Stratton noted that it is still good experience for faculty members as a trial run. NYSETA members also noted that they liked the current mix of presentations held at NYSETA.

John Stratton noted that the St. Lawrence Section of ASEE does not currently have officers. He also encouraged everyone to sign up for the ETD listserv.

The meeting was adjourned at 10:00 am for tours to Hilliard Corporation (Drive Train Manufacturing Plant) and the 1 MW Power Plant at Corning, Incorporated.

Respectfully submitted,  
Jayne Baran, Secretary of NYSETA



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

NYSETA had our 2009 Conference at Corning Community College near beautiful Horse Heads New York. Horse Heads is where the twisted mind of our dinner speaker Brian Longwell grew up. I think Brian Longwell was the best after dinner speaker we ever had. I went to Google and showed some people at our college part of the presentation that he does. "Why Work" was one of the funniest presentations that I have ever seen. He had us laughing to the point where there were tears in my eyes. This was gut wrenching funny. The state of Connecticut agrees and voted him the funniest man in their open comedy contest. I want to thank John Longwell for torturing his younger brother to cultivate the brilliant twisted mind that he is today. I come from a big family like the Longwell's, like John, I am one of the older brothers. My younger brothers are not quite right. To prove my point the two youngest of the bothers were hockey goalies. This explains the behavior of our guest dinner speaker Brian Longwell. After the dinner, we were treated to a nice evening in the bar with dueling piano concerts by Jon Balke and his wife with special guest star Slade Gellin tickling the ivories for our enjoyment. We have a very talented group of musicians among our Technology and Engineering expertise.

The Plenary session "Quantum Weirdness" by Carlos Stroud made you think and started the conference on a befuddled note. The Interest group sessions help you to stay relevant in that field. One session featured "Updating the ASME Standards" with one of our own Retired Professor Don Day that now owns Tech-Ease, Inc. If you want more information about Geometric Dimension and Tolerancing, see his website. TiLin Liu with new topic in Strength of Materials. The planetarium Show by Larry Josbeno was very unique and an excellent start to the evening activities on Thursday. The tour of

Hillard Corporation at the Drive Train Manufacturing Plant was very special for me because the technology was similar to the drive train systems I worked on at New Process Gear.

I want to thank this organization for a great conference, excellent interest group sessions, great dinner, excellent comedy act, and impressive impromptu piano concerts. Thanks to the volunteers at Corning Community College for hosting the Fall 2009 conference. Thanks to Al Gerth and John Longwell for Co-Chairing. Thanks to our new exhibitors Liaison Contact Tony Hotchkiss from SUNY Buffalo. Thanks to Brad Cole, Jonathan Balke, for the interest group sessions. Thanks to Billie Jo Seager for her tremendous help and the entire Corning Community College organization for an excellent conference. For me, it was like winning the gold medal at the 2010 Winter Olympics and partying almost like the Canadian Women's hockey team, without the cigars. :-)

The officers of the executive committee including the President, Vice President, Secretary, and Treasurer are up for re-election at this Spring 2010 Business Meeting on Friday. The term of the office is two years. The election is held during the Spring Conference of the even years (This year is 2010). The new officers take over right after the elections at the Spring meeting. Voting is secret ballot with a majority of votes cast determining the election. I will be asking for members to serve on the nominating committee for this meeting. I will also ask if any of the Executive Committee want to continue to serve. The current slate of Officers include: President: John Campbell, Vice-President: John Stratton, Treasurer: Kathleen Gallagher and Secretary: Jayne Baran. I will run for re-election as President.

We are looking for some volunteers to step up to host future conferences. If you and your college are interested in hosting please contact



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### **A Letter from the President – continued**

Vice President 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.

I want to extend a heartfelt welcome back to Marguerite Newton, who most of you know, was out for a while recovering from a scary car crash.

It was so nice to see her and the amazing recovery she continues to make.

I am looking forward to the next conference at Buffalo State on April 22<sup>nd</sup> and 23<sup>rd</sup>, 2010. I hope to see everyone at SUNY Buffalo this spring.

Sincerely,  
John Campbell  
President NYSETA

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### **Treasurer's Report - Kathleen Gallagher**

This year I got off to a very late start. Mailings for dues were mailed out January 21, 2010 so please look for them in the mail. It would be appreciated if you can send all dues by the end of the spring semester. If you plan to attend the spring conference, our host, Buffalo State College will collect membership dues (still \$10.00 per academic year) along with their conference fee.

Our scholarship fund is at a healthy \$5,800.75. As you know, the conference hosts in recent years have reported a surplus and these monies fund our scholarship account. Ken Vandermark, our scholarship committee chairperson, will be retiring. He will be around at the spring 2010 conference at Buffalo State to award scholarships to students that are recommended by you, the faculty. Only NYSETA members can submit the scholarship application on behalf of a graduating student. Look for the Student Scholarship Applications on the NYSETA website. A notice will be sent out to all members with the application deadline.

Also, one of our institutional representatives (IR), Art Haas from Broome Community College, will be retiring AGAIN to the sunny shores of Georgia. Let's just hope Art won't take back his retirement papers like he did in 2008. Who will be the next IR at Broome? Look for the answer in the Fall 2010 newsletter.

If your college currently does not have an IR please let me know so that I can keep an updated list. These reps are key to the success of this organization. They help us collect dues, keep our membership list up-to-date, and recruit new members. Please consider becoming more involved with NYSETA by volunteering to be an IR. On that note we welcome Michael Weaver as the new IR of Jamestown Community College.

Beginning on the next page is NYSETA's current balance sheet ending December 31, 2009.



**INCOME:** **\$23,975.06**

Balance 8/31/2009:	\$20,806.81
Member dues collected at SUNYIT	260.00
Institutional dues collected:	0.00
Interest Earned on Certificate of Deposit	754.91
Seed Money Returned by SUNYIT	500.00
Conference Surplus – SUNYIT	1,344.21
CitiBank Refund	227.82
Interest on Savings (9/1/09-12/31/09):	81.31

**EXPENSES:** **\$ 2,468.24**

Fall 2009 Executive Committee Meeting Expenses	1,668.24
Spring 2010 Conference Seed Money to Buffalo State	500.00
Spring 2008 Scholarship Award winner	300.00

**ENDING BALANCE: December 31, 2009** **\$21,506.82**

Savings Account	21,131.72
Checking Account	375.10

This past year we gained eleven (11) new members and lost thirteen (13) due to retirement.

Please welcome, Elena Brewer **Erie CC**, Adrienne Rygel & Daniel Miller **Canton**, Scott Buffett **Clinton**, Hamad Namdar & Robert Kueper **Queensborough CC**, Nina Shah-Giannaris & Chris Atwood **Nassau C.C.**, Windsor Thomas **SUNYIT**, Ted Nygreen **Westchester CC**, and Lansing Schantz, **RIT**.

**Recent retirees are:**

George Limbrunner & Ronald Stark **HVCC**, Morton Leifer **Rockland CC**, Paul Testa **Tompkins Cortland CC**, David Adams, Charles Fowle & Pascal Zanzano **Niagara CC**, Arthur Hurlburt & Charles Stead **Canton**, Vincent Negro & Sidney Sonsky **Queensborough CC**, Gerald Vance & Philip Alesso **Alfred**

I'm looking forward to seeing you at Buffalo State on April 22 & 23.

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



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## 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](http://www.nyseta.org/documents.htm).

The nomination form to be received by the scholarship committee no later than April 12, 2010. Scholars will be named at the Spring 2010 conference at Buffalo State Collge, April 22nd and 23<sup>rd</sup>. 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

or e-mailed to: [kvanderm@vtc.edu](mailto:kvanderm@vtc.edu)

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## News from around the State

### Alfred State College

#### **Alfred's Yogendra (Yogi) Jonchhe, a Fulbright Grantee**

Alfred State College Professor Yogendra (Yogi) Jonchhe, Mechanical Engineering Technology Department, has been selected as a Fulbright scholar grantee to Nepal. He is the third Alfred State College professor in the 60-year history of the J. William Fulbright Foreign Scholarship program to receive this honor. (Earlier ASC recipients included Dr. Eunice Davis, Social and Behavioral Sciences Department, 1992-93; and Professor William D. Sheehan, Electrical Engineering Technology Department, 1991-92.)

Jonchhe's objective is to undertake a lecturing/research assignment with Kathmandu University in Nepal, from Aug. 1-Dec. 30, 2009. In addition to teaching activities in the fields of mechanical, automotive, energy, and emissions, Jonchhe also plans to work in curriculum review and development; laboratory development; development of a 12+2 engineering science program at Kathmandu University for transfer to upper division engineering programs in U.S. institutions; development of study abroad programs for



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## **Alfred State College - continued**

the students; development of transfer and articulation agreement programs with various U.S. institutions; develop a program encouraging the exchange of faculty, scholars, ideas, and research works; explore online course offerings; conduct seminars, workshops, and talk programs; develop international collaborations with various institutions worldwide; advise on Faculty Senate governance, promotion, tenure, merit policies and procedures; explore applied research on appropriate technologies; explore an interlibrary loan program; and explore “Sister City” agreements.

Jonchhe, a member of the Alfred State College faculty since 1982, received the SUNY (State University of New York) Chancellor's Excellence in Teaching Award in 1994 and was nominated for SUNY Distinguished Teaching Professor in 2008. In 1995, he was recognized by the National Institute of Staff and Organizational Development (NISOD). In 1993, Jonchhe was the recipient of SAE International Teetor Educational Award. In 1991, Jonchhe was named the Outstanding SAE (Society of Automotive Engineers) Faculty Adviser. In his homeland, he received the Mahendra-Ratna Award from His Majesty the King for outstanding academic performance.

## **Erie Community College**

Anthony Dalessio and Nathan Witkowski

### **ABET Visits ECC**

ABET visited ECC in October of 2008 to reaccredit the four Engineering Technology programs (Civil, Construction Management, Electrical, and Mechanical). This was our first evaluation under the new TAC/ABET criteria, and for one department, the first accreditation cycle for the current faculty. ABET was quite busy this year and was late in sending out results. We didn't receive our final visit statement until the last week of August. All programs received reaccreditation.

### **Electrical Engineering Technology**

The EET department would like to announce a new faculty member, Dr. Elena Brewer. After the recent retirements of Vincent Kassab and Alvin Ashman, the department was running with a single faculty member. Elena has a PhD in Physics and was an adjunct professor for the Physics Department before joining EET.

The department is currently upgrading equipment in several labs. New circuit trainers, power supplies, digital multimeters, microcontroller boards, and PLC upgrades were purchased. Funding was provided by the college and a Perkins grant, totaling close to \$40K.



## **Erie Community College - continued**

### **Industrial Technology**

#### **CERTIFICATE PROGRAM in CNC Precision Machining**

This program is designed to prepare students for employment in the precision metal working industry. Its purpose is to provide the academic course work, hands-on skills and advanced manufacturing processes required by business. Upon completion of this program students will be able to enter or advance in such fields as mold making, model making, die making, machine repair and computer numerical control machining. Students are prepared for employment in both large manufacturing corporations and small precision machining companies. Graduates can continue their education in engineering, technology or business programs leading to jobs in management.

The design of this program will enable a student to be qualified to do entry-level machining work after completing just two semesters if attending full-time. This will be extremely effective for those students in search of a short term program so they can return to work quickly. Students that can afford more time for education can advance their knowledge and skills by completing a second year with all 24 credits applying toward an AOS degree in Industrial Technology.

Erie Community College has formed an alliance with machining/manufacturing companies in Western New York in order to prepare individuals for employment in the precision machining and manufacturing industry. The college recognizes that the strength of any program is dependent upon the demand and support of local business, thus the creation of the Alliance. ECC, working together with the Machining/Manufacturing Alliance, will prepare students for an industry experiencing a severe shortage of skilled CNC machinists.

ECC will work together with the Machining/Manufacturing Alliance to bring employment opportunities and successful students together. Placement assistance will be available to students through the ECC Career Resource Center and the Industrial Technology Department.

#### **Industrial Technology student Daniel McDonough won First Place in the 2008-2009 Mastercam Wildest Parts National Competition in the Postsecondary Division**

Buell Air Filter – Daniel McDonough, Erie Community College, Williamsville, New York

Created for an advanced CNC class, Daniel's motorcycle air filter is a very high quality piece. Although this air filter does fit onto a Buell motorcycle, Daniel created a stand for it for the competition. This highly polished piece features both 2D and 3D tool paths. With the growing popularity of motorcycle customization, this air filter fits right in.





## **Fulton-Montgomery Community College**

Richard J. Prestopnik

Architects are currently working on the plans for the college clean room being built to support the growing semiconductor manufacturing industry in the region. The clean room will be completed this summer. Bids are currently out for the purchase of an Atomic Force Microscope and a Scanning Electron Microscope. These instruments will be key components of the clean room.

FMCC has recently received word of an additional \$500k in federal funding for Engineering and Technology projects on campus. It has also received a donation from NXP Semiconductor consisting of a Polyvar SC optical microscope, twenty-five 200mm wafers, and 100 clean room suits.

We are happy to welcome a new instructor to the Electrical Technology and Engineering Science programs. Dr. Stephen Hladik joined us this spring. Steve's background includes a Ph.D from RPI in Electrical Engineering and a Juris Doctor from Albany Law School. Steve worked for GE Global Research as a Research Staff-Electrical Engineer and as a patent attorney for several law firms.

## **Hudson Valley Community College**

Sue Kilgallon

I am looking forward to seeing all of you at our conference this spring in Buffalo. Although I don't get to Buffalo often enough; it is where I grew up and I have fond memories of my time there! Meanwhile, I can't wait to see you all.

### **Hudson Valley Community College's TEC SMART Facility Opens in Saratoga County**

Hudson Valley Community College's newest facility, TEC-SMART (Training and Education Center for Semiconductor Manufacturing and Alternative and Renewable Technologies), opened Monday, Jan. 25, 2010.



When fully completed, the Malta, NY facility will feature laboratories to train the New York workforce in green energy technologies such as photovoltaic, geothermal, and wind energy as well as home energy efficiency. Courses and special lab facilities will also be offered for alternative fuels and semiconductor manufacturing technology.

More than a dozen classrooms are currently in use at the site, which offer courses in



## Hudson Valley Community College - continued

Business and the Liberal Arts and Sciences area, including English, psychology, math and more.

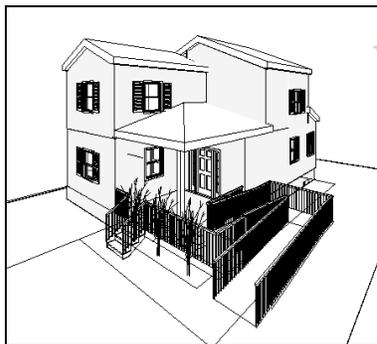
TEC-SMART is a joint initiative between Hudson Valley Community College and the New York State Energy Research and Development Authority (NYSERDA). The training facility is being constructed at the Saratoga Technology and Energy Park (STEP), which is next to the Luther Forest Technology Campus, a 1,350-acre campus designed for nanotechnology manufacturing and research and development.

## Ribbon Cutting on Student Designed house to take place this February



HVCC student Andrew Oake's design is no longer just a concept. This month DeAndrea Brooks and her four children will take ownership of the four bedroom two bath student designed house. Created as project in Associate professor Sue Kilgallon's Architectural Drawing class, students competed for the opportunity have their home selected. Built by Habitat for Humanity, the North Albany house has a fully accessible first floor. The house is only 1,400 SF ...large by Habitat standards but small for new homes today. Ms. Brooks cannot wait to take possession since she has never had a truly accessible home. The house features 5'-0" hallways on the first floor, a full bathroom that doubles as a shower and large open spaces which will allow her daughter to more fully participate in family functions.

Students in Kilgallon's class use the three-dimensional CAD software Autodesk Revit to create their architectural designs in the college's newly formed two-year CAD program. This degree prepares students for a career in CAD drafting and helps them find their niche by trying CAD in a variety of applications.





## **Morrisville State College**

### **Morrisville professors travel to China**

**Athena Lazo, '11, Campus News Editor**

Morrisville State College sent two assistant professors of agricultural business to China this past summer, in an effort to gain a global economic and social perspective on the Chinese market and trade barriers that currently exist.

Professor Sheila Marshman said the only way to reposition ourselves in the global economy is through agriculture. "Our food system is what started our country," she said, "and through technology and agriculture, we can start the cycle of economic recovery."

The Chinese Economic Society accepted a paper proposed by Professor Pei (Cathy) Xu. She said she was overjoyed when the society invited her to return home to Beijing to provide an Agricultural Business Strategies short course to doctoral students at Renmin University, the top Chinese university on agricultural economics studies. She had not been home in 10 years.

Dr. Christopher L. Nyberg, dean of the School of Agriculture & Natural Resources, said the trip helped bring a different perspective to the campus. He said it was a great opportunity for Marshman and Xu to teach and attend various Agricultural Business Conferences

outside the U.S. The international marketing component of the fairly new bachelor of business administration degree in Agricultural Business will benefit from their experiences, he added.

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Professors Marshman and Xu stand with a Ph.D. student, agricultural officer and farm manager on a dairy farm in China: (From right to left) Zhen John, Mr. Jiang, Professor Shiela Marshman, Professor Cathy Xu, Mr. Ren. Photo courtesy of Prof. Marshman



## **Morrisville State College – continued**

Both Marshman and Xu agree that students on the Morrisville campus need to be educated on the global economy. "U.S. food is imported from many countries because it is cheaper," Marshman said, but both ladies agreed that the current goal of the United States should be to help producers gain more access to the Chinese Market.

"We're not perfect," Marshman said, "but the U.S. food system is secure because of the current policies we have in place." Xu agreed saying that the policies of food security and food safety are crucial to agricultural production in the U.S.

Marshman said she was amazed at the size of the economy in Beijing and China. "It was a real eye-opener at how competitive we need to be," she said. Marshman added that a strong economy depends on a strong food source.

## **TAC-ABET Visit to Morrisville**

TAC-ABET program evaluators visited Morrisville's School of Science and Technology this past fall to review the Mechanical Engineering Technology and Electrical Engineering Technology AAS programs. The Mechanical Engineering Technology program was re-accredited.

The Electrical Engineering Technology Program had prepared and presented accreditation materials, however, Morrisville State College had just received permission from SUNY Central to terminate the program, as well as Morrisville's AS in Engineering Science program, just two weeks before the start of fall classes. The Electrical Engineering Technology program is therefore accredited until the last of the current EET students have graduated.

## **SUNY Institute of Technology (SUNYIT) NY**

Compiled by Jayne Baran from various sources

### **SUNYIT ISET Faculty participate in Nano Tour and Reception**

Faculty members from SUNY Institute of Technology's School of Information Systems and Technology were featured guests at the SUNYIT Alumni Association's "Nano Tour and Reception" on January 22, 2010, in Albany, NY. The special event was held at the College of Nanoscale Science and Engineering, and was co-sponsored by the Alumni Association and CNSE.

The event, which attracted 59 attendees, received significant positive feedback from SUNYIT alumni and future alumni (students) regarding the opportunity to tour CNSE and hear remarks from SUNYIT President Dr. Wolf Yeigh, who has led SUNYIT's efforts related to Nanotechnology.

President Yeigh said the summer 2009 announcement of a wide-ranging \$225 million nanotechnology partnership with CNSE has generated a lot of excitement and interest in SUNYIT. With headlines this past year about SUNYIT, CNSE and Nanotechnology, the event gave attendees the opportunity to see for themselves some of CNSE's operations and hear about SUNYIT's future plans related to Nanotechnology.



## SUNY Institute of Technology - continued

SUNYIT alumni also had an opportunity to connect at this event with SUNYIT faculty and staff members, including ISET faculty members from the following SUNYIT departments: Atlas Hsie, industrial engineering technology; Dr. Salahuddin Qazi, electrical engineering technology; and Dr. Ronald Sarner, Chris Urban, and Dr. Henry Wu, computer science.

## Nanotechnology Minor

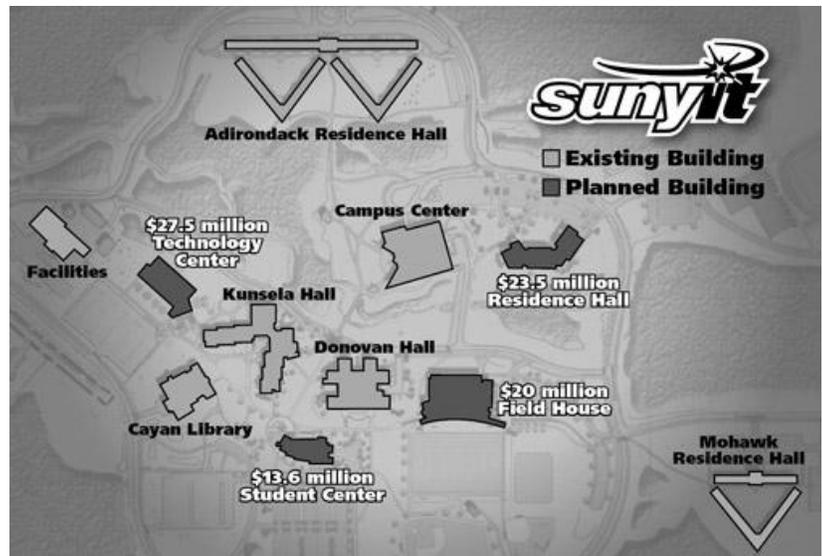
An interdisciplinary survey minor in Nanotechnology was recently approved by SUNYIT for the fall 2010 semester. The minor was developed and proposed by Dr. Sala Qazi, who has been teaching courses in nanotechnology. He has also been developing experimental facilities and instructional material to support the minor sponsored by an NSF CCLI award. The description of the minor is given below:

Nanotechnology has many commercial applications in the area of health care, computer technology, manufacturing, environment, agriculture and others. Its full implementation will have a broad economic and social impact. According to the National Science Foundation (NSF) products incorporating nanotechnology will contribute approximately \$1 trillion to the global economy by the year 2015. About two million workers will be employed in nanotechnology industries, and three times that many will have supporting jobs.

An interdisciplinary survey minor in nanotechnology is proposed for students majoring in engineering, engineering technologies, computer sciences, natural sciences, and telecommunications. The minor will provide knowledge and skills valuable to students planning to seek employment or graduate studies in fields related to microelectronics, information storage, optoelectronics, pharmaceuticals, agriculture and medicine.

## Ongoing Building Projects at SUNYIT

The new Student Center is going up quickly. Steel erection has been completed and the building shell was completed by the time the cold weather set in. Work has also started on the \$20 million field house. Construction of the \$23.5 million residence hall will begin this spring. Design of the advanced technology center (ATC) is ongoing.





## 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](mailto: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 Olgetree
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



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## NYSETA Institutional Representatives - continued

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

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## About Our Next Newsletter....

Our Next Newsletter will be distributed the third week of September 2010. Articles received prior to September 14th, 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](mailto: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 2010 Conference**

at

**Buffalo State College**  
Thursday and Friday,

**April 22<sup>nd</sup> & 23<sup>rd</sup>, 2010**

**Visit the Spring '10 Conference Website!**

Follow the links to the Conference Website through:

[WWW.NYSETA.ORG](http://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 Salvatore's Grand Hotel**

(in nearby Williamsville, NY)

at a special conference rate of

**\$92 per night.**

Register before 3/31/10.

#### **Salvatore's Grand Hotel**

6675 Transit Road,  
Williamsville NY 14221  
(716) 636-4900.

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