

NEW YORK STATE ENGINEERING TECHNOLOGY ASSOCIATION

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WWW.NYSETA.ORG



Fall 2007 NEWSLETTER

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The NYSETA Fall '07 Conference at Alfred State College



About the Fall 2007 Conference at Alfred State College

The NYSETA Fall 2007 conference will be hosted by **Alfred State College**, at the Alfred campus, Thursday and Friday, October 11th & 12th, 2007. Lodging will be at the **Microtel Inn & Suites**, in nearby Wellsville, NY.

The NYSETA Fall 2007 Conference at Alfred State College, Thursday and Friday, October 11th & 12th, 2007

Alfred State College is located in Allegany County, in the scenic southern tier of New York, between the foothills of the Allegany Mountains and the Finger Lakes region. The college has a 150 acre campus in Alfred, NY and well as a 21 acre campus in Wellsville, NY. The Alfred, NY campus includes the School of Liberal Arts and Sciences, as well as the School of Management and Engineering Technology. The Wellsville campus hosts the School of Applied Technology. Alfred State College has approximately 3,200 students enrolled in baccalaureate level, associate level, and certificate programs.

Thursday's conference events will be held on the Alfred, NY Campus. 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.

Plenary Session:

A talk and presentation by **Keith Gleasman, president, Torvec Inc., of Rochester, NY.**

The presentation will cover the process of design, development, test, research and marketing of various automotive related products and technologies,

patented by the Gleason family and Torvec Inc., which has a long history of association with Alfred State College and is a perfect example of education-industry alliance.

Hotel Rooms are available at the Microtel Inn and Suites of Wellsville, NY

Single Queen.....\$59.00,
Double Queen.....\$69.00, &
Suite.....\$79.00.

**You may call them at:
(585) 593-3449**

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 Interest Group Sessions

- ***ExCiTe (Intro to ECT)*** – Steven Ciccarelli, chair of RIT's Electrical Engineering Technology program, will give a presentation on changes made to RIT's Electrical, Computer, and Telecommunications Engineering Technology programs in order to better retain and motivate students. New student projects include exciting hands-on activities including with the TekBot autonomous robot.
- ***Autonomous Mobile Robot Competitions: An Effective Tool for Engineering Design*** – Rocio Alba-Flores of Alfred State College's Electrical Engineering Technology program, will give a presentation on the benefits of autonomous mobile robot competitions as an



About the Fall 2007 Conference at Alfred State College - continued

effective tool for engineering technology education. He will discuss how the Embedded Controller Applications course was organized to include activities that directed the students to design, build, and program autonomous mobile robots.

- ***Low Budget Undergraduate Microelectronics Laboratory*** - David J. Hunt, of Alfred State's Electrical Engineering Technology program, will discuss the new undergraduate microelectronics laboratory facility at Alfred State College. Through a recent NYSTAR (Science, Technology, and Academic Research) grant opportunity, Alfred State College has started its own low budget undergraduate microelectronics laboratory facility at a fraction of the cost of comparable industrial equipment. This laboratory has been equipped with Modu-Lab semiconductor device manufacturing equipment, which gives students realistic exposure to the semiconductor planer process. Oxidation, diffusion, photolithography, etch, and vapor deposition stations allow the student the opportunity to design, fabricate, and test their own simple diffused resistors and PMOS devices while gaining experience in microelectronic fabrication techniques.

Mechanical Engineering Technology Interest Group Sessions

- ***Manufacturing Program at Alfred State*** - Dr. Anselm Tshibangu of Alfred State will give a presentation on creation of the bachelor program in manufacturing technology (BT Mfg) at Alfred State. He will give an overview of the program's road map and networking process with external partners, and its master plan for future growth and self-sustained enrollment through direct recruiting, articulation agreement, marketing, industry networking, grant writing, etc.

- ***Energy Resources, Policies and Politics*** - David Bernreuther, Senior Operations Research/Systems Analyst at the U.S. Army Research, Development, and Engineering Command Aberdeen Proving Grounds, will give this presentation. This presentation will examine the strategic importance of energy to the United States and the importance it plays in national security and its economic impact. The viability of various alternative energies is then critically examined. The presentation offers an overview of energy sources and realistically examines the challenges inherent in replacing imported oil with alternative sources.
- ***GM Vehicle Technologies*** - Brad F. Beauchamp, Driver Relationship Manager Fuel Cell Activities, General Motors Corporation, will give a presentation covering the broad spectrum of GM vehicles technologies including conventional, electric, hybrid, hydrogen fuel cell, bio-fuels and flex fuels vehicles technologies.

Architecture/Civil/Construction Technology Interest Group Sessions

- ***Community-Based Service Learning as part of an Architectural Technology Curriculum*** - William Dean, Alfred State College will give a presentation demonstrating the evolution of community-based research in an Architectural Technology program from a series of unrelated projects to a coordinated effort that is focused on addressing specific environmental needs in the New York State Southern Tier. The presentation will offer an overview of projects undertaken, challenges encountered and lessons learned in this unique integration of applied research and technology in an undergraduate architectural curriculum.
- ***The Collapse of The 104 Year Old Retsof Salt Mine and the Impact on the Area*** - by Jay N. Smith of Alpha Geoscience. Jay will discuss the mine collapse and the resulting



About the Fall 2007 Conference at Alfred State College - continued

affect on the area, especially the impact on the water supply. He will discuss the steps taken with government to cover the immediate and future impacts of the collapse in the form of MOUs, and the work that was done to correct the problem created by the collapse. He will also discuss the testing program that monitors for future problems.

- ***The Results of Monitoring a Retsof Mine Collapse and the Remedy for the "Mine Squeeze"*** - Jay N. Smith of Alpha Geoscience, will give a second presentation on the results of the monitoring program, the reporting to the different Agencies, the Plan for Brine Treatment, and the construction of Crystallizer Plant at the collapse site. In 2004, Jay left Culligan to work full time on the design and operation of the desalinization plant for the Akzo Brine Mitigation Project. He will also be showing a 10 minute movie of the desalinization plant.

Thursday Night Networking Banquet

The Conference Networking Banquet will take place at the L'Italia restaurant in Wellsville, NY. The after dinner Banquet speaker will be Bill Childs. He will give a talk on hot air balloons; how they work, common misconceptions and how they are constructed from an engineer's point of view. Bill has been flying hot air balloons for over 26 years and has presented programs on the topic of Hot Air Ballooning to many different groups. Hopefully, he will mix a little humor, experience, and technical knowledge in order to both "educate and entertain" you.

Friday Business Meeting

The NYSETA Business meeting will be held Friday Morning at L'Italia in Wellsville. A breakfast buffet will be served.

Friday Field Trips:

At this time, the Friday tours tentatively include a trip to the **Dresser-Rand Plant** in Wellsville, covering the design, development, manufacturing and testing of steam turbines, and a trip to the **L. C. Whitford** facility, also in Wellsville, where they make pre-stressed concrete beams and girders for bridge and building construction.

For the latest information on scheduled 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 for NYSETA members is eighty-five dollars (\$85 US) if postmarked by 9/25, or ninety-five dollars (\$95 US), if postmarked after 9/25. The conference registration fee for non-members is ninety-five dollars (\$95 US), and includes a complementary NYSETA membership for the rest of 2007. Walk-ins are very welcomed. Retired and emeritus NYSETA member can attend for fifty dollars (\$50 US). A guest to the Thursday night networking hour and meal is forty-five dollars (\$45 US).

For more information or suggestions contact:

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About the Spring 2007 NYSETA Conference held at NCCC

A Great Conference at **Niagara County Community College!** The NYSETA membership and executive committee would like to thank co-chairs of the conference, **Marguerite Newton**, of NCCC's Engineering Technology Program, and **Mark Voisinet**, of NCCC's Design and Drafting Program. We are also grateful to our patrons and conference exhibitors: **Buffalo State College, CADimensions, Inc., Goodheart Willcox Publisher, LJ Tech Systems, Inc., NI Electronics Workbench Group, and Torcomp, Inc.**

Opening Remarks – Dr. George Bishop, NCCC Dean of Academic Affairs

The first speaker was Dr. George Bishop, NCCC's Executive Vice-president, and Dean of Academic Affairs. Dr. Bishop welcomed NYSETA members, and talked of NCCC's mission to maintain affordable access to post-secondary education and training. He also spoke of how important a role NYSETA has in acting as the defenders and champions of technical education at community colleges, and at public and private colleges of technology.

The Plenary Session Lecture – “Biodiesel: the American Farmers' Answer to OPEC”

The plenary speaker was Dr. Wilson Greatbatch, the inventor of the implantable pacemaker.

Dr. Greatbatch began by addressing the fact that a variety of academic, governmental and commercial researchers agree that the world will be running out of economically recoverable petroleum and natural gas by the year 2040. In order to reduce dependence on petroleum fuels for transportation, his company is proposing and studying the properties of diesel fuel 1-2-3 which is a mixture of 1 gallon of kerosene, 2 gallons of soy oil, and 3 gallons of canola oil. There is the possibility of substituting ethanol for kerosene. He also discussed the current and future energy situation.

Interest Group Sessions

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

Mechanical/Energy/Manufacturing Interest Group Sessions:

Computational Methods for MET, Professor Ti Lin Lu, RIT,

Tech Wars, John Craig, Fred Nash, and Peter Sewert., and,

Mechanical Engineering Technology-BT to BS, Peter Pawlick, Buffalo State College.

Electrical Interest Group Sessions:

National Grid's Emergency Response to the October Storm, Leonard Siume, National Grid.,

Code Warriar-Student Microcontroller and Mobile Robot Project, Vincent Kassab, Erie Community College, and,

Teaching Embedded Systems w/ PIC18F Microcontroller, Ramesh Gaonkar, Onondaga CC.

Architectural and Civil Interest Group Sessions:

The Design for the new Public Safety Building in Buffalo, Dan Warner, John Beyer, Mark Dlugose, Cannon Design, and,

Frank Lloyd Wright's many Contributions to the Niagara Frontier Region - Barry Muscat, AIA.

The Evening Banquet and Networking Hour:

The *NYSETA Spring '07 Conference Networking Hour, and Banquet* was held at the Buffalo's Hard Rock Cafe, adjacent to Comfort Inn's The Pointe Hotel. Guest speakers were founding members Don Voisinet and Roger Lehman. They gave an overview of the history of NYSETA. The NYSETA started in 1963 as an informal mechanical



About the Conference held at NCCC - continued

engineering technology group which met twice per year. In 1967, electrical engineering technology faculty joined the group, and in 1968, the civil engineering technology faculty were invited. The NYSETA constitution was written in 1972. Elliot Colchamiro, who served as NYSETA Secretary for over 30 years was not able to attend; however, Carmine Salvo read Elliot's written notes. At the end of the presentations John Campbell awarded the Elliot Colchamiro award to Don and Roger for their long and valued service to NYSETA.

Field Trips

The Friday Field Trip included the Friday tours include a choice of trip to the **Chevrolet Engine Plant** in the Town of Tonawanda, or a trip to the **Darwin Martin House** in the City of Buffalo

In Attendance

We were delighted to have the following individuals in attendance:

Dave Adams	NCCC
Frank Boek	NCCC
Graham Salter	NCCC
Chuck Fowler	NCCC
Roger Lehman	NCCC
Don Voisinet	NCCC
Mark Voisinet	NCCC
Pat Zanzano	NCCC
Joanne Stahlman	NCCC
Marguerite Newton	NCCC
John Craig	NCCC
Ed Tezak	Alfred State
John Williams	Alfred State
Gerry Vance	Alfred State
Yogi Jonche	Alfred State
Jeff Marshall	Alfred State
Uli Besemann	Alfred State
Peter Pawlik	Buffalo State
Fred Nash	Buffalo State
Mark Oliver	Mornoe CC
Joanie Oliver	Guest
Albert Glosser	Erie CC

Katleen Gallagher	Nassau CC
Fred Schoenfeld	Nassau CC
Jim Mayrose	Buffalo State
Illya Grinberg	Buffalo State
Slade Gellin	Buffalo State
David Kukulka	Buffalo State
Tony Hotchkiss	Buffalo State
William Kelly	Broome CC
Arthur Haas	Broome CC
Brian Alguire	MVCC
Ken Vandermark	Vermont Tech
Ramesh Gaonkar	Onondaga CC
Steve Ciccarella	RIT
David Lawrence	RIT
Tin Lin Liu	RIT
Charles Swain	RIT
Michael Loudis	Morrisville State
Atlas Hsie	SUNY- IT
Carmine Salvo	SUNY- IT
Sala Qazi	SUNY- IT
Daniel Benincassa	SUNY- IT
Jayne Baran	SUNY- IT
Mohamed Rezk	SUNY- IT
Heather Dussault	SUNY- IT
John Campbell	Cayuga CC
Chrisite Waters	Cayuga CC
Thomas Karle	Cayuga CC
John Longwell	Corning CC
Brad Cole	Corning CC
Vincent Kassab	Erie CC
Shawn Hill	Erie CC
Shohreh Moini	Erie CC
Dariush Zadeh	Erie CC
John Grossman	Erie CC
Paul Pietraszewski	Erie CC
Thomas Weaver	Erie CC
Brian Moag	Erie CC
James Lydon	Erie CC
Mark Hoeber	Erie CC
George Keganlea	SUNY-ESF
Dan Warner	Cannon Design
John Beyer	Cannon Design
Mike Dlugose	Cannon Design
Dan Warner	Cannon Design
Barry Muskat	AIA
Leonard Siume	National Grid
Peter Sewert	
Jerry Kepetski	



About the Spring 2007 NYSETA Conference held at NCCC - continued

Once again we would like to thank cochairs Marguerite Newton and Mark Voisinnet of NCCC for a great conference.

The Friday Morning NYSETA Business Meeting

Jayne Baran, NYSETA Secretary

The breakfast business meeting on Friday morning was held at the Comfort Inn in Buffalo. The business meeting was called to order at 8:45 am by President John Campbell. John thanked Niagara County CC for hosting an excellent conference. John reminded everyone of the importance of supporting the sponsor exhibits.

Minutes of the Fall 2006 meeting were approved. Secretary Jayne Baran reminded everyone that newsletters will no longer be mailed; instead they will be posted on the web at www.nyseta.org. Business meeting minutes have been added to the NYSETA web site. A suggestion was made that institutional reps make hard copies and send them to the NYSETA members at their school; not everyone will read the online newsletter

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

Fall '07	Alfred State (Oct. 11-12)
Spring '08	Open
Fall '08	RIT (new building)
Spring '09	Open

Mike Loudis noted that the deadline for the fall 2007 newsletter submission is September 7th, 2007. Please keep any pictures or graphs relatively small (<50kb) in black and white format. The quality of the newsletter is a reflection of the quality articles that are coming in. Mike encouraged everyone to keep the articles coming.

Treasurer Kathleen Gallagher reported on the current budget numbers:

The total current balance as of

March 30th, 2007: \$18,128

The scholarship fund balance is at \$6,000;
94 Members Paid for 2006-2007 (last year at this time --- 142 paid)
24 Institutions Paid for 2006-2007 (42 were contacted)

Members can now pay their dues with the conference fees; however, Kathleen noted that less member dues were collected this year than in prior years when the dues were collected separate of the conference fees.

Interest Group chairs Dave Lawrence (Electrical), Slade Gellin (Mechanical) and Marguerite Newton (Civil/Architecture) summarized the interest group sessions. Slade Gellin and Marguerite Newton were re-elected as interest group chairs. Steve Cicarelli (RIT) was elected as the new Electrical Interest Chair. John Campbell thanked Dave Lawrence for the eight years he had been the electrical interest group chair and congratulated Steve Cicarelli on his new position.

Fred Schoenfeld from the Scholarship Committee reported on the scholarship results. Nine \$300 NYSETA scholarships were awarded:

Ramon Fyffe - Buffalo State College
Krista Miller - Vermont Technoical College
Adam Moss - Alfred State College
Justin Paquette - SUNY Canton
Andrea Paul - Alfred State College
Melissa Rose - Morrisville State College
Nathan Smith - SUNY-IT
Viktor Tymchynyuk - Nassau CC
Jasmine C. Vasquez - RIT

John Campbell gave the floor to Fred Schoenfeld, who wanted to discuss adding a fourth member to the scholarship committee from the general membership. Currently, the scholarship committee consists of the chair, who is elected from the membership at-large and two members of the executive board. A fourth member would help with respect to continuity, and perhaps would act as a chair-elect. The resolution was unanimously passed to add a fourth member.

Ken Vandermark was elected as the fourth member of the scholarship committee.



The Friday Morning NYSETA Business Meeting - continued

Members at Large were elected for a 2-year term:

Michael Loudis, Morrisville State College,
Ed Tezak, Alfred State College,
Anthony Hotchkiss, Buffalo State,
Daniel Benincasa, SUNYIT, and,
John Williams, Alfred State College.

Everyone thanked Marguerite Newton and Mark Voisinet for their hard work in putting together the conference.

The meeting was adjourned at 9:40 am for tours to the Chevy Engine Plant in Tonawanda and the Darwin Martin House.

Respectfully submitted by
Jayne Baran,
Secretary of NYSETA,
Approved by the Executive Board
Approved at the NYSETA business meeting.

A Letter from the President, John Campbell

This was a very successful year for our organization. We had two excellent conferences in the past year at SUNY Canton and Niagara Community College. I am looking forward to the next conference at Alfred State on October 11 & 12. With the dedicated staff at Alfred, this conference is shaping up to be another outstanding adventure, especially when I attempt to golf. I could hit the ball farthest and fastest into the woods than anyone you ever golfed with.

We are looking for some volunteers to step up to host the Spring 2008 conference. If you and your college are interested in hosting please contact Carm Salvo or myself. I can't remember the last time we did not have a host college for our conferences. The executive committee can help organize the conference. If you have never hosted or have not hosted in a while please step up and help NYSETA in our time of need. Hopefully, by the time everyone gets this news letter we will have a host college.

The last conference at Niagara Community College in Buffalo featured one of the most extraordinary plenary speakers this organization ever had a chance to listen to. I expected Dr. Wilson Greatbatch to talk about his past accomplishments like: the development of the pacemaker battery, his presidential medal for innovations, the solar-powered canoe, and the multitude of inventions and patents that he holds. Instead he enlightened us with straight talk and enthusiasm about his latest conquests. This was refreshing because we were riveted without the use of power point or multimedia presentations.

According to Dr. Greatbatch :“We’re Dreamers” “We don’t get into something until someone tells us it can’t be done” “If we weren’t dreamers there wouldn’t be any pacemakers”. Greatbatch was accompanied by one of his top engineers, Jeff Deals, astounded us with what they are working on NOW! They are trying to solve the worlds energy problems by coming up with a new fuel that they applied for a trade mark name called “Biodiesel 123”. This uses one part kerosene, two parts soy oil, and three parts canola oil. He then engaged us to get our colleges ready to work on agriculture and technology programs to support the new technologies. If we do this, New York State could be in a position to be a leader in the new Bio-Fuel agricultural boom. The NYSETA organization left the plenary speech rejuvenated, impressed, and totally inspired with the innovative spirit. Dr. Greatbatch has the entrepreneurial spirit that makes this county great. For every one at the conference, this was an historical presentation, I am truly sorry if you missed this brush with greatness. We had the pleasure of listening to Dr. Wilson Greatbatch talk. The enthusiasm and straight talk from one of the most innovative geniuses to ever walk the planet was just inspiring. I forgot to mention that Dr. Greatbatch is only 87 years young.

After the conference, I modern researched or shall I say “googled” him to find out more about and his accomplishments and his company. Dr. Greatbatch is an inventor who advanced the development of early implantable cardiac pacemaker by developing a workable battery. Dr. Greatbatch has more than 150 patents, and is still inventing. He shares his enthusiasm for his work in frequent lectures and demonstrations to audiences ranging from graduate



A Letter from the President – continued

students to grade-schoolers. In recognition of his inventions and his spirit, he was chosen as the Lifetime Achievement Award Winner for 1996 by the Lemelson-MIT Prize Program. He was recognized by the President of the United States for innovation and yet we heard very little of that in his talks. He talked about the future.

I want to thank Mark Voisinet for arranging the guest speaker, as well as, Marguerite Newton and the entire Niagara Community College community for an excellent conference. With Niagara Falls as the background for the host hotel and the Hard Rock Café as our banquet hall, it was a great way to complete an outstanding conference. I also want to thank my brother, Jim Campbell, and the rest of the General Motors engineers and technicians that provide an excellent tour of the GM plant in North Tonawanda. The high tech tour showed state of the art robotics, CNC machining centers, high tech measurement, material handling, custom manufacturing processes, and procedures utilizing new materials and manufacturing technologies.

On behalf of the New York State Engineering and Technology Association, I want to congratulate Niagara Community College's Emeritus Professors Roger Leman and Donald Voisinet for their leadership and contributions they made as "Founding Fathers" to our organization. They were awarded the Elliot Colchamiro award for outstanding contributions to NYSETA. Thank you, Don and Roger, for your leadership, years of dedication, and your friendship over the years. You both have had a great influence on the organization. On a personnel note, thank you both for your expert advice, free consultations to all hours of the night, friendship, and most of all the fun we have shared over many years.

I hope to see everyone at Alfred State.

Look out, I am going to attempt golfing at Alfred.
FORE!!!

Sincerely,
John Campbell
President NYSETA

Letter from the Vice President, Carmine Salvo

Our Last Conference: The Spring 2007 NYSETA Conference was hosted by Niagara County Community College. We were honored by the presence of several founding members and officers who provided highlights of the early history of NYSETA.

Marguerite Newton and Mark Voisinet are spear-headed the planning. Thanks to them and our speakers, exhibitors and all our other Niagara CCC colleagues who made the conference a fun and valuable experience.

Upcoming Conference: Alfred State is our Fall 2007 host. Info on the conference is found elsewhere in this newsletter and also at <http://www.nyseta.org> via links to next conference.

Future Conferences: As of this morning 9/12/2007 we have **NO HOST** for the Spring 2008 conference. I e-mailed all the Institutional Representatives but heard back from only a few. They were all unable to host due to coming TAC/ABET visits. I will continue to seek a volunteer host campus as the Spring 2008 meeting is very important regarding elections of officers.

Fall 2007 Alfred State (11-12 Oct)
Spring 2008 Open
Fall 2008 RIT

Please feel free to volunteer to host a conference. I will be most happy to assist you in any way I can. If you wish to have a conference at a time already planned for another host, I will attempt negotiating changes to fit in volunteers. I can be reached at carm@sunyit.edu or carmine@usadatanet.net.

Communications: To facilitate easy communications a number of new listservers have been setup:



Letter from the Vice President, - continued

etagen@list.sunyit.edu currently with 155 subscribers including members from all interest groups. This is still way short of our total membership. Please consider subscribing (see below).

etaciv@list.sunyit.edu currently with 34 subscribers for Civil, Construction, and Architectural, etc. issues relevant to the Civil Interest Group

etaelec@list.sunyit.edu currently with 67 subscribers for Electrical, Electronics, Electromechanical, Telecomm, Computer Technology, etc. issues relevant to the Electrical Interest Group

etamech@list.sunyit.edu currently with 51 subscribers for Mechanical, Manufacturing, Industrial, etc. issues relevant to the Mechanical Interest Group

eta_irs@list.sunyit.edu for communicating with the Institutional Representatives

etaexec@list.sunyit.edu for communicating with the Executive Committee

For now the easiest way to become a subscriber is to email me at **carm@sunyit.edu** with you email address and which interest group you wish to be included in and I will subscribe you. I plan to post a list of current subscriber's names (without email addresses) on the NYSETA.ORG webpage for each interest group.

Newsletter: Mike Loudis continues to edit and post an online newsletter which appears at <http://www.nyseta.org> in addition to the hardcopy given to you at each spring and fall conference.

Thanks and Kudos: Thanks again to Niagara for hosting our Spring Conference. Again our thanks to all who assisted in running the conference and to our speakers and exhibitors.

Carm

Treasurer's Report - Kathleen Gallagher

The student award fund has a current balance of \$5,139.58. This will increase with member and institutional dues to be collected for this coming year. Look for dues notices in your mail. Since September 2007 we have recruited 9 new members and lost 5 to retirement.

The new institutional representative at Niagara CC is Mark Voisinet. If you're interested in becoming an IR please let Carm or I know so that we 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. Rockland, Delhi and Ulster currently have no representatives.

Below is NYSETA's current balance sheet ending August 31, 2007. The dues that were collected by Niagara CC in the spring of 2007 are not reflected below. It is customary to receive spring conference accounting reports and checks at the following fall conference. But, preliminary figures indicate Niagara did have a conference surplus!! Our fall 2006 conference hosts, SUNY Canton, also reported a surplus indicated below.



Treasurer's Report - continued

INCOME: **\$25,346.35**

Balance 8/31/2006:	\$19,483.96
Member dues collected (does not include dues collected by Niagara):	990.00
Institutional dues collected:	2,500.00
Interest on Savings and Cert. Deposit:	545.53

SUNY Canton (Seed money and Conf. Surplus) **\$1,826.85**

EXPENSES: **\$ 9,833.62**

Fall 2006 Executive Committee Meeting Expenses	1,046.71
Spring 2006 Conference Seed Money to Niagara	3,525.00
Adjustment to HVCC/Excelsior Conference Surplus	200.00
Service Awards - Plaques and Gifts	234.35
2007 Scholarship Awards and Supplies	2,755.60
PO BOX renewel fee	70.00
June 2007 Executive Committee Meeting Expenses	1,501.96
Fall 2007 Seed Money to Alfred	500.00

ENDING BALANCE: August 31, 2007 **\$15,512.73**

8 month Certificate of Deposit (3/07-12/07)	\$12,539.59
Savings Account	2,336.64
Checking Account	636.50

If you plan to attend the Fall conference, our host, SUNY at Alfred will collect membership dues (still \$10.00 per academic year) along with their conference fee. I'm looking forward to seeing you at Alfred on October 11 & 12.

Respectfully Submitted,
Kathleen Gallagher, PE, Asst. Prof.
Nassau Community College

Service Awards presented to North Fork Bank by Kathleen Gallagher, Treasurer

When I first was elected Treasurer of New York State Engineering Technology Association (NYSETA) in Spring 2002 my first task was to open a not-for-profit business account at a Long Island bank near my college. I met with many bank representatives and right away chose North Fork Bank. The staff at North Fork was very receptive in supporting our organizations mission and advised me about the most productive options for establishing an account for NYSETA.

Since 2002 our accounts have had modest earnings. Much of the credit was due to the patience and understanding of the wonderful staff at North Fork Bank's Stewart Avenue Branch in Garden City, New York. Especially, Johanna Lombardo, the branch's top notch Client Service representative and her cooperative Branch Manager/Vice President, Carmen I. Armstrong.



Treasurer's Report - continued

The executive committee agreed to acknowledge the folks at North Fork of our continued appreciation for their many years of service to our organization. On June 29, 2007, Kathleen Gallagher, presented a plaque to both Carmon I. Armstrong and Johanna Lombardo. Johanna has recently retired from North Fork. NYSETA wanted to honor her for her helpful and courteous service these last several years. It was Johanna who established our accounts and advised us on many matters. In addition to the plaque, Johanna was presented with a personal gift, a Vera Bradley tote bag, to take with her into retirement. We will miss her. I will miss her.

It is important to recognize all our valued members that make NYSETA tick.



Carmen I. Armstrong, Kathleen Gallagher, and
Johanna Lombardo

News from around the State

Alfred State by Joy Carlson

News from Alfred State's Computer Imaging and Architectural Technology Department:

David I. Carli, RA, from Flynn Battaglia in Buffalo, has joined the department and is teaching Architectural Graphics and Studio III. He is the designer and project architect for the Gathering Space/Infill project that connects the Central Dining Hall with the Allied Health Building. The department is thrilled to have him teach with us for the year.

WINS News

To banish the February blahs, the WINS Club (Women In Non-traditional Studies) hosted an ice cream social for its members, new members and anyone who happened to walk into the Student Lounge that evening. In March, the Men in the Field Dinner was well attended, and alumni David Yamin and Robert Smithgall from Fahey Design in Rochester were the speakers. They compared the similarities and differences of the 2 year AAS in Architectural Engineering Technology and 4 year BS in Architectural Technology, and how it has directed their responsibilities in the firm. The annual lasagna dinner was held in April at Joy's house - a lot of lasagna and brownies were eaten but more importantly money for the two area food pantries and the Both Your Hands organization was raised.

News from Alfred's Studio II, Preservation and Adaptive Reuse

While two sections of studio participated in a competition sponsored by Cranbrook in Detroit, Joy Carlson's section designed various projects around the Alfred area: elevator, conference room and handicapped bathroom for the Andover Free Library, adaptive reuse of a former Alfred University fraternity house, in which four students presented their project to the Alfred Planning Board, and 11 individual adaptive reuse proposal for the empty Erie Railroad





Alfred State - continued

Station in Wellsville. A visit and advice from a local code enforcement officer helped the students on handicapped accessibility issues.

Alfred Students win NYSETA Scholarships

Two Alfred State College students were recently named the recipients of a \$300 scholarship from the New York State Engineering Technology Association Scholarship (NYSETA). Andrea Paul, Breesport, junior, architectural technology, and Adam Moss, Whitney Point, senior, mechanical engineering technology received the award based on their academic achievement and involvement in student activities, particularly those which promote technology.



Since the scholarship was instituted about 10 years ago, NYSETA has been very generous in recognizing ASC students and their accomplishments both in their technology curriculums and in participation in activities fostering technology. Of the nine scholarships given statewide this year, ASC is the only school to have two recipients. This has been the pattern for the last four out of five years. Pictured here, l-r: Professor Joy Carlson, Computer Imaging and Architectural Engineering Technology Department, with Paul, the student she recommended; Dr. Edward Tezak, professor, Mechanical Engineering Technology Department, who is the college's NYSETA representative; and Moss, with Professor Yogendra Jonchhe, Mechanical Engineering Technology, who sponsored him.

SUNY Canton by Dave Hartle

SUNY Canton Canino School of Engineering Technology

The ever-evolving SUNY Canton Canino School of Engineering Technology continues to enjoy cross-curricular success.

A New Program for a New Year

The school recently added an Industrial Technology Management Bachelor's Degree which incorporates many of the robust technology fields at the school. Students begin the program with a number of core courses in Civil Engineering Technology, Mechanical Engineering Technology, Air Conditioning Engineering Technology, Electrical Engineering Technology, or Construction Technology Management, and then custom-design their four-year education to best fit their future career. The program is designed to merge each student's particular technology-based educational interest with a blend of business courses that will expand their high-level employment opportunities. The first students joined the program for the fall 2007 semester.

New Strategies for Pellet Heating

Michael Newtown, Assistant Professor of Alternative and Renewable Energy Applications (AREA), and Professor Emeritus Hurlbut will be working with five students from the AREA program to install and monitor a grass pellet furnace and a grass pellet stove. They will be working with the Cornell Cooperative Extension of St. Lawrence



SUNY Canton - continued

County as a demonstration project for the New York State Energy Research and Development Authority and Cornell University.

Building Winning Bridges

The SUNY Canton American Society of Civil Engineers (ASCE) Student Club enjoyed another successful year, finishing first overall in the National Student Steel Bridge Competition (NSSBC) regional contest at the ASCE Upstate New York Regional Student Conference at Cornell University and seventh overall at the national competition at California State University at Northridge.

Zach Wojciechowski, one of the members of Canton's ASCE Student Club also finished third in the Regional Daniel Mead professional paper competition.

More Award Winning Students

Justin Paquette, an Electrical Engineering Technology student, won a \$300 scholarship from the New York State Engineering Technology Association. He helped generate close to \$200 for the Electrical Engineering Technology club and participated in the New York State Engineering Technology Association convention. In a remarkable display of generosity, Paquette donated the scholarship back to his club.

New Faculty

The college added six new faculty members for the Fall 2007 Semester:

- Rashid Aidun is an Associate Professor of Electrical Engineering. He holds a doctorate from Clarkson University in Experimental Solid State Physics,
- Robert Boak is a Building Construction Instructor. He is a 1998 SUNY Canton alumnus,
- Matthew Flynn is an Instructional Support Associate working with the Mechanical Engineering Technology program and the Alternative and Renewable Energy Applications. Flynn is a 2003 SUNY Canton Graduate,
- Richard McAdam is an Instruction Support Associate in the Air Conditioning Engineering Technology program. McAdam is a 2006 SUNY Canton Graduate,
- Lawretta Ononye is an Assistant Professor of Physics. She earned her Ph.D. in Material Science and Engineering from the University of Tennessee, and,
- Raghuraman Ramanathan is an Alternative and Renewable Energy Applications Instructor. He earned his master's degree in Electrical Engineering from Wilkes University in Pennsylvania.

Milestone Farewells

- Former Dean and Air Conditioning Engineering Technology professor Arthur Hurlbut retired at the end of last semester. Hurlbut was decorated with the E.K. Campbell Award of Merit from the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE). He was also named Distinguished Faculty in 2002. Upon his retirement, he was bestowed Emeritus status by SUNY Canton President Joseph L. Kennedy.



SUNY Canton – continued

- Professor of Physical Science Erwin Selleck also retired at the end of last semester. Erwin was the senior most faculty member at the campus, allowing him the honor of bearing the college's mace at all formal academic functions. Erwin was also credited for beginning one of the first online courses to the college.

Current Career Opportunities

The school is looking for additional faculty members to fill key vacancies and newly-created positions in the following areas: Architectural, Electrical Engineering Technology, Construction, and Information Technology.

New York City College of Technology **by Gerarda Shields**

Civil Engineering Student and Professor Honored by ASCE

Luis A. Garcia, who graduated in June with an associate degree in civil engineering technology, was recipient of the 2007 American Society of Civil Engineers (ASCE) Metropolitan Section Scholarship for \$3,000, the highest amount the section awards, at the Met Section's Annual Dinner Dance & Awards Ceremony on June 15 at Tavern on the Green. Luis was also named recipient of this year's Michael N. Salgo Service Award. The award is given annually to a student who provides outstanding service to the ASCE Met Section.

"Luis's service to both City Tech and ASCE has been truly exceptional," said Professor Gerarda Shields. "He served as City Tech ASCE Club president for the 2006/2007 academic year. In addition to his duties as president, he also co-organized the regional ASCE Metro Student Conference and City Tech's role as host to nine participating colleges and universities from throughout the New York/New Jersey area. Moreover, he served as captain of the City Tech 2007 Steel Bridge Competition team that placed second in the regional competition and went on to the national finals at the University of California at Northridge."

Shields added that Garcia will be pursuing a bachelor's degree in civil engineering and was recently hired by the Hunter Roberts Construction Group as an assistant project manager. "We are very grateful for the extraordinary effort Luis put forward on behalf of the College and its relationship with ASCE, and fully expect him to further distinguish himself in his future studies and career."

Professor Shields was also honored at the June 15 awards ceremony. A recently licensed Professional Engineer and former recipient of an ASCE ExCEED fellowship for teaching, she was honored with the society's 2007 Young Government Civil Engineer of the Year Award, in recognition of her outstanding contributions to the profession.

She has long been active in ASCE Met Section activities and serves as student outreach coordinator. In this role, Professor Shields visits local universities and high schools to promote civil engineering as a profession. For the past four years, she has been a speaker at the Manhattan College (her alma mater) Summer Program for Women and Minorities in Engineering. She is also an ASCE Met Section Scholarship Committee member and was co-chair of the section's 2007 Dinner Dance Committee.



New York City College of Technology - continued

New York City College of Technology Advances to the Nationals

Congratulations to New York City College of Technology (City Tech) for competing in the 2007 National Student Steel Bridge Competition! This year's competition was hosted by the University of California at Northridge on May 25-26, 2007. This is City Tech's second year competing in the nationals. City Tech advanced to the nationals after placing 2nd in the regional competition as did the regional competition winner, New Jersey Institute of Technology.



The 2007 National Student Steel Bridge Competition marked the 16th Anniversary of this prestigious event.

The Student Steel Bridge Competitions, both regionally and nationally, are sponsored by the American Institute of Steel Construction and co-sponsored by the American Society of Civil Engineers, the American Iron and Steel Institute, The James F. Lincoln Arc Welding Foundation, the National Steel Bridge Alliance, and Nucor Corporation.

For more information about the conference go to: www.ascemetro2007.com

Hudson Valley Community College by Sue Kilgallon

Hudson Valley Community College Graduates First Class of Semiconductor Manufacturing Technology Students

Hudson Valley Community College graduated its first-ever class of students specifically trained to work in the emerging field of semiconductors and nanotechnology this past May.

Three students – two men and one woman – earned associate's degrees in Electrical Technology: Semiconductor Manufacturing Technology (SMT), one of 18 associate's degree and certificate programs offered through the college's School of Engineering and Industrial Technologies.

Instituted two years ago in response to the Capital Region's growing Tech Valley initiative, the Semiconductor program provides a combination of classroom education and hands-on instruction to train students for employment as work station operators in clean room environments or for transfer to bachelor's degree programs upon graduation.

"Hudson Valley Community College's history is rooted in technology education, so it was only natural for us to seize upon this new opportunity to provide cutting-edge instruction in this emerging field," said Phillip White, dean of the School of Engineering and Industrial Technologies. "We are proud of this program and look forward to



Hudson Valley Community College - continued

providing Advanced Micro Devices and other companies in the region with a qualified workforce to further drive the Tech Valley initiative.”

Hudson Valley Community College Department Chair Testifies Before U.S. Congress on Renewable Energy

Joseph Sarubbi, a professor and department chair of Hudson Valley Community College’s Building Systems Technology Department, was invited by the U.S. House of Representatives Subcommittee on Energy and Environment to testify on June 19 about the need to invest in developing a workforce for the renewable energies field, particularly in the area of solar cell technology.

A leader in the field of solar cell education and training, Sarubbi testified before the committee as it considered increasing federal funding to create training and workforce development programs for solar and other renewable energies. In August, the House passed legislation that would strengthen such workforce training programs.

Hudson Valley Community College has offered solar cell – formally known as photovoltaic – training since 2005, when it partnered with the New York State Energy Research and Development Authority to create the first-of-its-kind photovoltaic installation and maintenance training program in the region.

This fall, the college began offering a Photovoltaic Installation Certificate program, providing students theoretical and hands-on training installing solar panels on roofs and poles.

Hudson Valley Community College to Host Energy Conference for Second Year in a Row

This March, Hudson Valley Community College will host the Renewable Energy & Energy Efficiency Workforce Education Conference for the second year in a row. The conference, scheduled for March 17 – 20, is sponsored by the New York State Energy Research and Development Authority and organizers include the Interstate Renewable Energy Council, Partnership for Environmental Technology Education and Hudson Valley Community College.

Last November, the college welcomed more than 240 educators from across the country and beyond, including Egypt, Australia and Germany for the three-day conference. Renewable and alternative energy training programs at the state, regional and national levels were discussed in what are rapidly becoming new areas for increased job opportunities and student interest. The conference also addresses the establishment of new programs, merging renewable, alternative and energy efficiency programs in existing programs in high schools, community and technical colleges and four-year institutions. Discussions also include establishing effective partnerships with business, industry and government agencies.

Hudson Valley Community College Engineering Science Graduate Earns SUNY Chancellor’s Award

Sandra Aguilar, a 2007 graduate of Hudson Valley Community College’s Engineering Science degree program, was one of six Hudson Valley students to receive the State University of New York Chancellor’s Award for Student Excellence this year. Aguilar, a native of Columbia who currently lives in Schenectady, also is a member of Phi Theta Kappa, the international honor society for students at two-year colleges, and was named to the National





Hudson Valley Community College - continued

Dean's List. She previously was the recipient of the James J. Fitzgibbons Scholarship and the Shamrao Vasudeo Watwe Memorial Scholarship. Aguilar plans to continue her education in biomedical engineering.

The award honors students who have best integrated academic excellence with other areas of their lives, including student activities, athletics and community service.



Sandra Aguilar

Verizon's Next Step Program at Hudson Valley Community College Wins American Business Award as Best Human Resource Team

The Verizon Next Step Program, an innovative business, labor and education partnership, coordinated in New York State by Hudson Valley Community College, won the "Stevie" Award for Best Human Resource Team in the 2007 American Business Awards this year.

The Next Step Program is a coalition of 25 colleges in New York state and New England that deliver a common Telecommunications AAS degree program for Verizon employees. Hudson Valley serves as the lead college in New York and Springfield Technical Community College is the lead college for New England. The program, which began in 1995, is funded by Verizon and managed by the company, the Communications Workers of America (CWA), and the International Brotherhood of Electrical Workers (IBEW).

The American Business Awards are the only national, all-encompassing awards program honoring great performances in business. The awards are nicknamed The "Stevie," which is derived from the Greek for "crowned." "This national honor confirms the success of business, labor and education partnerships like Next Step," said Hudson Valley President Andrew J. Matonak. "The Verizon Next Step program is an ideal model for keeping the workforce adaptable and ready for new technological advances. My thanks go to the great people who run the program here at Hudson Valley and across the Northeast."

The Next Step Program was developed to maintain a highly trained workforce in the rapidly evolving telecommunications workplace. The program provides qualified Verizon associates the opportunity to obtain an associate's degree in telecommunications technology by attending classes one day a week for eight semesters. Program participants are given a laptop computer, and attendance at the college is considered a Verizon workday. Verizon pays for tuition, college fees and class materials. Verizon technicians must employ their knowledge and skills to solve complex installation issues involving customer computers and networks in addition to mastering the Verizon infrastructure.

A Career in Architecture Can Now Start at Hudson Valley Community College

Beginning this fall, Hudson Valley began offering a two-year associate's degree in Architecture Technology, which prepares students for immediate positions in the architectural field or allows them to transfer to a four-year college or university to pursue a bachelor's degree and become a licensed architect.

The program builds upon a core of electives that have long been offered through the college's Civil Engineering Technology program. The new Architectural Technology curriculum emphasizes the creation of detailed residential and commercial construction drawings, rendering and designing of a variety of building types, computer generated design and an understanding of building methods, materials and cost estimating procedures.



Hudson Valley Community College - continued

“Graduates of the Architectural Technology program will have many employment opportunities. They’ll be qualified to work in architectural design and planning firms, development corporations, construction companies and other similar firms,” said Dr. Christine LaPlante, chairperson of the Construction, Industrial and Mechanical Engineering Department.

Mohawk Valley Community College

by Assorted contributors

Dr. Randall VanWagoner named MVCC President

Dr. Randall VanWagoner was named president of Mohawk Valley Community College and approved by the MVCC Board of Trustees. Dr. VanWagoner becomes the fifth president of the college in its 60-year history as successor to Dr. Michael I. Schafer (1983-2007), who retired on June 30, 2007 after 24 years at the helm. Dr. VanWagoner assumed his responsibilities as MVCC President on July 2, 2007.



The previous college presidents were Dr. Albert Payne (1953-1968), Dr. W. Stewart Tosh (1968-1974), and Dr. George H. Robertson (1974-1983). Dr. VanWagoner is currently the Vice President for Learning and Academic Affairs at Metropolitan Community College in Omaha, Nebraska, which has an annual full-time enrollment of 9,500 students. He is in his eighth academic year in that position where he has responsibility for all instructional programs and academic support services.

Prior to his current position, Dr. VanWagoner worked at Red Rocks Community College in Lakewood, Colorado where he held positions of Dean of Educational Support Services, Registrar, and Director of Institutional Research and Planning. He has taught computer applications as an adjunct faculty member in both online and classroom settings. He is currently the President of the National Council of Instructional Administrators – the largest affiliate council of the American Association of Community Colleges – and has published and presented widely on a range of community college issues. Dr. VanWagoner received his Ph.D. and M.A. degrees in Higher Education, with an emphasis in Community College Administration, from the University of Michigan Ann Arbor and received a B.A. in Communications from Oakland University in Rochester, Michigan.

MVCC is accredited by the Middle States Commission on Higher Education to offer 64 associate degrees and 40 certificate programs through its two campuses. MVCC was founded in 1946 as the New York State Institute of Applied Arts and Sciences at Utica and became the first community college established in New York State. The college has evolved over the years to feature 20 intercollegiate athletic programs for men and women.

Seven students graduated from the Mohawk Valley Community College CNC Machinist Technology Certificate program and began careers with Bartell Machinery Systems.

The student-workers in January began the coursework and training to become Computer Numerical Control (CNC) machinists. The unique paid training program was developed by Bartell, MVCC, Working Solutions and Mohawk Valley EDGE.



Mohawk Valley Community College - continued

During the program, the seven participants, who were recruited by Working Solutions, worked a half day at Bartell and attended school a half day at MVCC, while being paid by Bartell \$10 per hour for the entire day.

The seven graduates are James B. Alger of Boonville; Richard R. Lucia of Lee Center; Benjamin W. Mudge of Boonville; Jason L. Sangster of Holland Patent; Richard J. Sommers of Rome; Jody D. Spinks of New Hartford; and Jeremy G. Youngs of Boonville.



The participants range in age from 20 to 40. One is a Navy veteran, and six of the seven left other jobs for this opportunity to learn a skill, advance their career and better their future. All excelled in their course work and on the job training, all had perfect attendance, all were willing and able students, and all of them have accepted full-time employment with Bartell.

"All successful companies successfully grapple with the future before it becomes the present," said Bartell President Jerry Eisenhart. "Further, those who endure adversity in some form or another, innovate their way through the challenges before those challenges cripple the organization. So it is with Bartell. We have to invest in the future now, so we can be successful in the years to come. Our most important investment is in our people and our people are our most important asset. By investing in this innovative program we have invested in our people and our future and the investment has paid off."

Mohawk Valley Community College provided the instruction for the seven students. "This program, with a great partner like Bartell Machinery, is yet another example of Mohawk Valley Community College's desire and commitment to helping meet the needs of local businesses and industries to continue developing a highly trained and educated work force," MVCC President Dr. Randall VanWagoner said. "By working with dynamic companies like Bartell, MVCC is better able to serve the greater needs of the Mohawk Valley through creative partnerships."

Mohawk Valley EDGE worked with all of the parties to help bring this training program to fruition. EDGE has previously worked with Bartell through the multi-manufacturers consortia to provide skills training to employees. "A skilled work force is vital to successful businesses, and a vibrant economy," said EDGE President Steven J. DiMeo. "We hear about work force needs from many companies in our region, and we are fortunate to have partnerships like the one on display today to address these needs. We are also fortunate to have companies like Bartell take the lead in addressing its specific needs for skilled workers."

"Congratulations to Bartell for looking at its future work force needs and investing resources to maintain the quality and skill level of its employees," said Alice J. Savino, Executive Director of the Workforce Investment Board, which recruited the class participants. "The management and leadership at Bartell took a risk, made an investment and will reap the benefits of a loyal and dedicated work force for many years to come. As baby boomers retire, future work force development will require employers to form partnerships similar to Bartell's model of investment."

"The skills the graduates of this outstanding program have developed will be extremely valuable not only to their future career paths, but also to the economy of the Mohawk Valley," said Assemblywoman RoAnn M. Destito, who helped coordinate state assistance for a building expansion at Bartell last year and helped bring all the parties together to develop this CNC machinist training program. "The partnership that developed this program came



Mohawk Valley Community College – continued

together to meet the need for more skilled workers, and I wish the members of the first graduating class much success in the future."

The training program began in January through an enrollment model which combined the financial aid of the New York State Tuition Assistance Program and federal Pell Grants; financial support of the Department of Labor and Workforce Investment Board; direct employer support in the form of wages to the participants of the program; and underwriting by Mohawk Valley Community College. It is hoped this unprecedented training program and its partnership among education, government, employers and economic developers can be adopted by other employers with similar employee training needs.

Bartell has about 150 employees at its 110,000-square-foot facility, which includes a 27,000-square-foot addition completed in 2006 with the assistance of Empire State Development Corporation.

Morrisville State College

by assorted contributors

Construction Starts on \$17.5M Oilseed Biofuels plant.

A new 17.5 million dollar biodiesel project in Cortland County will turn crops from local farmers into a clean burning fuel. "We want to grow our own fuel" said Ray Cross, Morrisville State College president. Plans were announced in May for two plants to be built on an 11 acre site in Cortlandville. Morrisville State College created the project and brought Empire Agrifuel, LLC as a partner in the venture.

Canola and soybeans will be crushed at one plant, and the oil will be piped to an adjacent refinery that will produce bio-diesel. Construction could start this coming spring, and the plants could be up and running by late summer, 2008. A byproduct of the crushing plant will be a meal that serves as a high-protein animal feed, a plus for local dairy farmers who will benefit from reduce feed costs.

Dr. Cross hopes that in 10 years the plant will have expanded to twice its original size and would be surrounded by 10 other companies that would be related to bio-fuels. Money for the project will come from private and capital loans, plus 4 million from the State University of New York Research Foundation.

Morrisville Upgrading to a 802.11n Wireless System

MSC, one of the first campuses to implement a wireless computer network, is currently upgrading to the latest and fastest wireless service available. An "802.11n" wireless system by Meru Networks is replacing the previous system which was implemented in 1999. At the time, Morrisville was one of the first SUNY colleges to offer such a network.

The 802.11n system is one of the fastest wireless connections in the world. The system is about 10 times faster than what is accessed at Starbucks and other wireless hot spots that use 802.11b connections. A student would be able to download an entire DVD movie file from the Internet within 30 seconds, or about 50 times as fast as the current system. Over 700 access points were installed throughout the campus, allowing the students to get on the internet from anywhere, anytime, inside or outside.



Morrisville State College – continued

New Degree Programs at Morrisville

Beginning this September, Morrisville State College is offering several new degree programs, including:

**B.B.A. in Entrepreneurship and Small Business Management,
B.S. in Nursing,
B.T. in Horticulture Business Management,
B.S. in Human Performance and Health Promotion,
B.S. in Journalism and Online Communications,
B.S. in Science, Society, & Technology,
A.A.S. in Human Services, and,
A.A.S. in Criminal Justice.**

Students at Morrisville can now select their course of study from amongst 84 degree and certificate programs.

2007 ETA Scholar Melissa Rose transfers to Vermont's Norwich University

Melissa Rose, native of Esperance, NY, graduate of Morrisville State College's Architectural Studies & Design program, and 2007 recipient of the ETA Scholarship, transferred to Norwich University in Vermont to continue her architectural education. Melissa was extremely proud and grateful to ETA for recognizing her dedication to her major and to Morrisville's Architecture Club. She served as the club's secretary and was instrumental in many fundraising efforts and in the organization of the club's field trips to Frank Lloyd Wright's masterpiece, Fallingwater during the Fall of 2006 and the Spring 2007 tour of the architectural sites of Canada's great metropolis: Toronto. Melissa hopes to complete her Bachelor of Science degree in Architecture at Norwich University in 2009 and to complete her professional Masters degree in Architecture at Norwich in 2010.

Onondaga Community College by Ramesh Gaonkar

ABET Accreditation

Our two programs, Computer Engineering Technology and Electrical Engineering Technology are due for an ABET general review next year – Fall 2008. At present, the department members are debating the usefulness of ABET accreditation. We will be glad to hear any words of wisdom in this area.

Faculty Retirement:

Prof. Jim Delaney retired at the end of Spring 2007 after thirty one years of service to the college. He graduated from OCC in 1976, obtained B.S. degree in Engineering Technology from SUNY Institute of Technology in 1981.

After high school graduation, he spent six years in Navy, came back to Syracuse, enrolled in our program full-time. But he also needed to work full-time to support his family. When Jim was a full time student at OCC, he also worked full-time as a technician in our department. After OCC, he worked for Carrier Corp, continued his degree work at SUNYIT with the same hectic pace – completed his degree and came back to OCC.



Onondaga Community College - continued

We have known Jim on campus in every possible role: as a student, as a technician, as an adjunct faculty member, and as a colleague. Jim is an exemplary OCC's success story – he is a living example of the success of OCC's mission.

In our department, Jim taught almost every course. In last three decades, our field has taken quantum jumps – from Microprocessor to Microcontroller – to PCs to Networking. And Jim kept up with those changes. Our program has remained at the cutting edge of technology, and Jim is primarily responsible for it. He became a Computer and Networking – guru, and he works as a consultant on Syracuse University campus. We wish him the best.

Rochester Institute of Technology **by Carol Richardson**

New Engineering Technology Building at Rochester Institute of Technology

Thanks to great summer weather, the College of Applied Science and Technology (CAST) engineering technology building is on schedule to open in April 2008.

The \$8.5 million, 33,600-square-foot building will house a student service area, faculty offices, and laboratories for the civil engineering technology, environmental management and safety (CETEMS) department as well as a student service area, some laboratories and faculty offices for the electrical, computer, telecommunications engineering technology (ECTET) department. The flexible packaging and plastics laboratory for the manufacturing and mechanical engineering technology/packaging science (MMET/PS) will also be located in this new building.

ET Administrative Changes at Rochester Institute of Technology

- Dr. Abi Aghayere is the new civil engineering technology, environmental management and safety (CETEMS) department acting chair,
- Professor Dan Johnson is the new manufacturing and mechanical engineering technology/packaging science (MMET/PS) department chair,
- Professor Maureen Valentine is CAST's new vice dean and Paul A. Miller Professor,
- Professor Bill Larsen has retired from the CETEMS department after 26 years of service. Prof. Larsen was awarded the title of professor emeritus, and,
- Professor Tom Dingman has retired from the electrical, computer and telecommunications engineering technology (ECTET) department. He was awarded the title of professor emeritus.

Growth in Engineering Technology at RIT

Freshman enrollments in civil and mechanical engineering technology programs at RIT are up from last fall, and RIT has just admitted the largest freshman class in its history. Two new ET faculty members were added to the college recently: Jeanne Christman, a visiting professor in the ECTET department, and Mike Slifka, a lecturer in the MMET/PS department.



Rochester Institute of Technology - continued

Seeking Candidates for RIT Engineering Technology Faculty Positions

Civil engineering technology, environmental management and safety (CETEMS)

The CETEMS department invites applicants for two full-time, tenure-track positions. Responsibilities include course and laboratory delivery and development; service on department, college and institute committees; and maintenance of professional and technical capabilities through research, professional development, and scholarly activities.

1. **Civil engineering technology** – Candidates for this position should be well rounded and will be expected to teach a variety of undergraduate courses and laboratories dealing with graphics, land/municipal planning, land development, and transportation.
2. **Facility Management** – This position is for the new master's degree in facility management program. Candidates for this position must have a master's degree and facilities management experience.

Contact CETEMS Acting Department Chair Abi Aghayere at aoaite@rit.edu for more information on either of these positions.

Electrical, computer and telecommunications engineering technology (ECTET)

The ECTET department is currently seeking applications from exceptional candidates for three full-time, tenure-track positions. Responsibilities include course development and delivery; service on department, college, and institute committees; and maintenance of professional and technical capabilities through research, development, and scholarly activities. Contact ECTET Department Chair Mike Eastman at mgeiee@rit.edu for more information.

1. **Computer engineering technology** – The candidate will teach undergraduate courses in the computer engineering technology program. Candidates must have experience in VHDL/Verilog design and FPGA or ASIC design.
2. **Electrical engineering technology** – The candidate will teach undergraduate and graduate courses via traditional classroom and distance learning formats. Candidates must have expertise in power systems and/or analog and digital systems.
3. **Electrical engineering technology** – The candidate will teach undergraduate and graduate courses via traditional classroom and distance learning formats. Candidates must have expertise in one or more of the following areas: analog and digital systems, control systems, audio systems, power systems, or opto-electronics.

Manufacturing and mechanical engineering technology/packaging science (MMET/PS)

The MMET/PS department expects to open two tenure-track faculty searches this academic year. The MMET/PS department has 25 full-time faculty, more than 30 part-time faculty, and almost 900 students. The department offers four bachelor of science and two master of science programs. The department continues to grow and has doubled the size of its entering class over the past five years. Delivery modes include local, online and executive leader formats as well as a wide variety of innovative project and research based learning approaches. Undergraduate programs require cooperative education experience and industrial experience.



Rochester Institute of Technology – continued

Contact Interim Department Chair Dan Johnson at dpjeie@rit.edu for more information about the available positions.

CAST's 35th Anniversary

RIT's College of Applied Science and Technology (CAST) is celebrating its 35th anniversary throughout the 2007-2008 academic year. This milestone will be commemorated with monthly social, educational, athletic, historical, and other types of events for the college's alumni, faculty, staff, and retirees.

What began in 1972 as the "Institute College," encompassing two schools and two departments, has become "CAST," one of RIT's largest colleges. CAST now comprises three departments, two centers, one school, and approximately 50 academic programs. The college also features overseas programs in Croatia and Kosovo, and represents RIT's largest source for online course delivery.

Over the years, CAST has evolved to meet the growing and changing needs of its students. More than 30,000 alumni throughout all 50 states and U.S. territories have been a part of this progression and now represent nearly one-third of RIT's entire alumni population.

New textbook by Dr. Abi Aghayere

Dr. Abi Aghayere, P.Eng., acting chair of the CETEMS department co-authored his second textbook titled *Structural Wood Design: A Practice-Oriented Approach* with Jason Vigil, P.E., a structural engineer and alumnus of the civil engineering technology program. The book was published by John Wiley in July 2007.

CETEMS Golf Tournament

CETEMS's 9th annual golf classic was held at Ravenwood Country Club in Victor, N.Y., on May 5, 2007. The student-organized event followed a scramble format, with 97 "golfers" (25 groups) – half of whom were students, while the rest were made up of civil engineering technology (CET) alumni and local engineers and contractors. Scott Lawler (RIT/CET student and HVCC alum), Aaron Fink (RIT/CET Alum with OldCastle Precast), and Justin Smykowski (OldCastle Precast) won the tournament and Bob Easton trophy. The members of this threesome had their names added to the trophy, named after retired Professor Emeritus Robert Easton.

If you would like information for the 10th annual golf classic that will be held on May 3, 2008, at Ravenwood Country Club, please contact the faculty advisor, Scott Wolcott at sbwite@rit.edu or (585) 475-6647.

Transitions:

James D. Forman - Retired RIT Professor and NYSETA member, Jim Forman died on September 4th, in Villages, Florida.

Mr. Forman was the first director of the School of Engineering Technology at RIT, starting in 1970. He was a very active member of ASEE (American Society of Engineering Education) and the NYSETA. He was membership chair for ASEE's ETD for several years and one of the organizers of the 1983 ASEE Annual Meeting held at RIT.



Rochester Institute of Technology – continued

His last role at RIT was as the first Russell C. McCarthy Chair, RIT's first funded chair in the College of Applied Science and Technology. He taught mechanical engineering technology courses as chair. He also served as the director of the School of Applied Industrial Studies, a part of the College of Continuing Education at City Center.

Mr. Forman was born in Webster, and was a U.S. Air Force veteran of the Korean War. He is by his wife of 52 years, Dorothy, four sons: James, William, Thomas, and Andrew, and three grandchildren.

SUNY Institute of Technology (SUNYIT), Utica, NY

Compiled by Jayne Baran from various sources

Student Club News

On June 7-10, a dedicated group of 7 SUNYIT students competed in the 2007 Baja SAE Rochester World Challenge, placing 70 out of 127 universities from around the world. This was the first time SUNYIT competed in this event.

For two years, the students designed, built, and tested a rugged off-road Baja vehicle. They raised over \$10,000 in external funds. The competition culminated in an academic sports event that lasted four intense days – students worked 14 to 16 hours each day to overcome numerous obstacles.



Placement in specific events included:

- Acceleration: 72
- Hill Climb: 35
- Maneuverability: 16 (Incredible!)
- Suspension and Traction: 22
- Design score: 67
- 4 hour Endurance Race: 71

SummerITeens Camps

Several summer camps for teens and teachers were held this summer 2007 at SUNYIT. “SummerITeens” gives area students the opportunity to learn new topics they don't usually see in their home schools. SummerITeens courses use a hands-on approach introducing concepts, linking classroom work with its real-world application by modified experiments, taking field trips to local organizations and visiting with area professionals from relevant fields. In a SummerITeens camp, participants expand their career horizons, meet and work informally with SUNYIT Faculty and Instructors, get to know like-minded students from other districts in the Mohawk Valley, and enjoy many of the fine facilities associated with our beautiful campus.



SUNY Institute of Technology - continued

The camp topics this summer were nanotechnology (2 sessions), energy, robotics, and girls applied math and science.

A big thanks to Michael Loudis of SUNY Morrisville who was a guest speaker for the SummerITeens energy camp.

New Chair of Electrical and Computer Engineering Technology Programs

Dr. Daniel Benincasa, SUNYIT assistant professor of electrical engineering and electrical engineering technology is the new chair of the electrical and computer engineering technology departments. Dr. Benincasa holds a Ph.D. in Electrical Engineering from Rensselaer Polytechnic Institute (RPI) with a Master of Science and Bachelor of Science Degree in Electrical Engineering from Clarkson University. He worked full-time for the Air Force Research Laboratory prior to his position at SUNYIT.



Vermont Technical College

by Ken Vandermark

Vermont Technical College has five new programs this fall: A.A.S in Fire Science, A.A.S. in Diesel Power Technology, B.S. in Equine Studies, B.S. in Dental Hygiene. There is B.S. in Sustainable Design and Technology with tracks in Green Energy (+2 starting with Electrical or Mechanical Engineering Technology), Green Buildings (starting with Civil or Architecture and Building Engineering Technology), and Green Sites (starting with Dairy Farm Management or Horticulture and Landscape Design). A new student center with exercise/weight room area, lounge and dining facility opens in September.

Vermont Tech was recently ranked #30 among the top Baccalaureate colleges in what is called the Northern section (New England, New York, Pennsylvania and upper Mid Atlantic states). Vermont Tech was only one of four public institutions in the listing and the only technical college.

NYSETA Institutional Representatives

The NYSETA Institutional Representatives (IR's) listed below, have each agreed to collect dues and to distribute ETA information, meeting announcements, and newsletters to their institution's engineering technology faculty and staff, especially to those who are not on the ETA's mailing list. Each fall, ETA treasurer Kathleen Gallagher sends each Institutional Rep dues collection material to be used for his or her institution. The following is a summary of Institutional Representatives. If there is no listed IR for your institution, it indicates that no response was received for the latest inquiry sent by the ETA secretary.



NYSETA Institutional Representatives - continued

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	Peter Pawlik, 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 Braazee
Erie Community College North.....	Vincent Kassab
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
Vermont Technical College.....	Ken Vandermark
Westchester Community College	Raymond Mignogna



About Our Next Newsletter....

Our Next Newsletter will be distributed the second week of February 2008. Articles received prior to February 8th, 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 Fall'07 Conference
at
Alfred State College,
October 11th & 12th, 2007**

Visit the Fall '07 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 the Microtel Inn & Suites in Wellsville, NY, and other information and updates.

**Microtel Inn & Suites,
20 W. Dyke Street, Wellsville, NY,
still has hotel rooms available for the nights of October 10th and 11th
(Wednesday and Thursday nights) for***

Single Queen.....\$59.00,
Double Queen.....\$69.00, &
Suite.....\$79.00.

*These are regular room rates, special conference rates were available until 9/10/07

Make your reservations by calling:

1-585-593-3449