NEW YORK STATE
ENGINEERING TECHNOLOGY ASSOCIATION
PO Box 7203, Garden City, NY 11530-7203

WWW.NYSETA.ORG

SPRING 2005
NEWSLETTER
Editor: Michael J. Loudis
Morrisville State College,
Loudismj@morrisville.edu

Officers

President
John Campbell, Cayuga CC, W: 315.255.1792 (x2240),
Fax: 315.225.2117 Email: Campbell@cayuca-cc.edu

Vice President
Carmine Salvo, (Prof. Emeritus), SUNYIT,
Email: carmine@usadatanet.net

Secretary
Jayne Baran, SUNY IT W: 315.792.7542, Fax: 315.792.7800,
E-mail: barans@sunyit.edu

Treasurer
Kathleen Gallagher, Nassau CC, W: 516.572.7272
Fax: 516.572.7471 Email: GallagK@ncc.edu

Newsletter Editor
Michael J. Loudis, Morrisville State College, W: 315.684.6282,
H: 315.451.7461, Email: Loudismj@morrisville.edu

Members at Large
Vincent Kassab, Erie Community College, 716.851.1509/10; Fax
716.851.1429 Email: Kassab@ecc.edu
Ed Tezak Alfred State College, 607.587.4661, Fax: 607.587.4615
Email: Tezakeg@alfredstate.edu;
Mohamed Rezk, SUNYIT, W: 315.792.7351, Fax 315.792.7800
Email: Mohamed@sunyit.edu

Chairman, Awards Committee
Fred Schoenfeld, Nassau Community College,
W: 516.572.7022, Fax 516.572.7471 Email: Schoenfeld@ncc.edu

Representing the Council for Engineering Technology
Peter Pawlik, Buffalo State University,
PawlikPS@bscmail,buffalostate.edu

Interest Group Leaders

Civil/Construction/Architectural
Marguerite Newton, Niagara County C.C. W: 716.614.6854;
Email: Newton@niagaracc.suny.edu or Mcnewton@aol.com

Electrical
Dave Lawrence, National Institute for the deaf at Rochester Institute of
Technology, W: 585.475.7101 Email: Delnet@rit.edu

Mechanical
Slade Gellin, Buffalo State College, W: 716.878.6002,
Email: Gellins@buffalostate.edu

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In This Issue:

MARCH 2005						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

The NYSETA Spring '05 Conference
at The Rochester Institute of Technology
March 17th and 18th

About the Coming Spring 2005 Conference at RIT

The NYSETA Spring 2005 Conference will be hosted by **The Rochester Institute of Technology**, (RIT), and **The RIT National Institute for the Deaf** (NTID), Thursday and Friday, **March 17th and 18th,** in Rochester. Lodging will be at the nearby **Park Plaza (***formerly* **"The Radisson") Hotel** on Jefferson Road Road.

On Thursday, March 17th, area and regional equipment manufacturers, as well as, text and software publishers will meet with the conferencees, in RIT's **CIM** *(Slaughter)* **Building**. Each exhibitor will have a display table with examples of their latest technological offerings and instruction goods. The conferencees will return to the exhibition area in between discussion and interest sessions. *A buffet brunch will be served in the exhibition area.*

The Park Plaza Hotel
(formerly The Radisson)
**is providing hotel rooms at a special NYSETA rate of $86 per night. Please call them by March 1st at:
1-585-475-1910 or,
1-800-814-7000**
(Room rate code "RITEN").

Pre-Conference Workshop:

Both RIT and Buffalo State College were visited by TAC of ABET this year. At 9:00 am, John Stratton, Jim Hurny and Peter Pawlik will share their experiences with the visits and allow the participants to develop some drafts of materials which will help with preparation for forthcoming visits.

The Plenary Session:

The plenary session will begin at 10:55 with a presentation on **"College Physics Instruction in an Active Learning Environment",** by RIT Physics Department **Professor Dr. Scott Franklin**.

Interest Group Sessions:

Interest group lectures will follow the plenary session. Conference members are free to attend any session in which they are interested and visit exhibition area between lectures. The tentative schedule of lectures follows:

General Interest Sessions:

"Strategies to Improve Retention," a panel presentation and discussion with **Professors Richard Cliver, James Mallory, and David Lawrence.**

"Custom Textbooks: Experiences from a User!" A presentation by **Professor Daniel Johnson.**

"Experience of Co-op Students" **-** A presentation by a panel of RIT Engineering Technology students who have completed several co-op assignments.

Architectural & Civil Technology Sessions:

"Bridge and Building Analysis under War Conditions" – **Oliver Taylor,** an RIT CET graduate and US Navy Seabee.

"Designing and constructing Green Buildings" – **Ram Shrivastava,** President and CEO, Larsen Associates.

"Design and Progress on the Onondaga Lake Superfund Cleanup" – **Mary Jane Peachy,** NYSDEC, (Syracuse Regional Office).

Electrical Engineering Technology Sessions:

"The Computer Engineering Technology Capstone experience in Embedded Systems" – Professor **Michael Eastman**, RIT.

About the Coming Spring 2005 Conference at RIT - continued

"Specialized Simulation Tools" including a presentation on a Optical Electronic System Simulator by Professor **Warren Koontz,** and a Digital Systems simulator by Professor **Jeff Little.**

Mechanical Engineering Technology Sessions:

"Packaging Dynamics" by Dr. **Daniel Goodwin,** RIT.

"New Concepts in Statics and Strength Labs" by Professors **James Scudder** and **Phillip Batchelor**.

Joint Electrical/Mechanical Session:

"Education, Industry, & Government Partnerships – The Key to Future Economic Growth and Workforce development in the United States" **by Bill Sicari,** General Manager, Festo Didactic, USA.

The *networking hour and banquet* will take place at the Park Plaza Hotel . The after-dinner presentation will be *"Product Innovation is an ET Domain."* Professors **Carl Lundgren** and **William Leonard** will introduce a panel of students who will present their approach to product development and product realization, showing examples of products which have been developed by student groups at RIT.

The Friday Morning NYSETA Business Meeting:

The general membership meeting will begin with the reading of the minutes from the Fall '04 business meeting. NYSETA policies and issues will be discussed, followed by a discussion of organizational finances.

Friday Local Area Visits:

This year's conference will include visits to the recently completed RIT Field House, and the RIT CIMS and ET Laboratories.

Visit the Spring '05 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 Park Plaza Hotel, and other information and updates.

Conference Fees

The conference registration fee for NYSETA members is ninety-five dollars ($95 US). Non-members may attend for one hundred and five dollars ($105 US). Retired and emeritus NYSETA member can attend for forty dollars ($40 US). A guest to the Thursday night banquet, and possibly the Friday field trip as well, is fifty dollars ($40 US).

Non-members are invited to join the ETA and pay the member price for the conference.

Please have your registration form in by March 1st.

John Stratton, the Meeting Chair, will handle the registration forms. For additional information please contact John, or Michelle Weterrings:

> John Stratton,
> Work: 1-585-475-2017
> Fax: 1-585-475-2178
> e-mail: jasite@rit.edu
>
> Michelle Weterrings
> Work: 1-585-475-2368
> Fax: 1-475-7080
> e-mail: mxwast@rit.edu

The Council of Engineering Technology – Spring '05 Meeting

The Spring '05 meeting of the Council of Engineering Technology (The CET) will meet in Albany in the early summer, so that members of the NYS Education Department can be present.

About the Fall 2004 NYSETA Conference held at SUNY IT

Great Job!! The NYSETA membership and executive committee would like to thank Conference Chair **Jayne Baran,** the SUNYIT Corporate Events Coordinator, **Connie Castellano**, and their many associates, for a super **Fall 2004 NYSETA** conference at The SUNY institute of Technology.

We are also grateful to the following exhibitors and patrons also participated and helped support the conference: Armfield, Inc., Buffalo Prototyping Technologies, Cadimensions, Carmine Salvo from SUNYIT, Excelsior College, Exphil Corporation, Lego Education, The Mathworks, Prentice Hall Publishing, Roscoe Communications, Solid Works Corporation, Tech-Ed Systems, and Tektronix. SUNY-FACT (Faculty Access to Computing Technology) also generously supported the conference for which we would like to extend our heartfelt thanks.

Dr. Dan Murphy, SUNYIT vice-president of Resource Development welcomed the conference attendees and introduced the SUNY FACT chairman Steve McIntosh. Dr. Jorge Novillo, dean of SUNYIT's Information Systems and Engineering Technology introduced the plenary speaker, Dr. Heather Dussault, member of the Griffiss Institute for Information Assurance. Dr. Dussault gave a thought-provoking presentation on developing survivable critical infrastructure systems.

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

General Interest:
- *"Teaching On-Line Courses with SUNY Learning Network"* – Associate Professors Richard Havranek and Louise Dean-Kelly, SUNYIT
- *"Student On-Line Portfolios"* – Associate Professor Russell Kahn, SUNYIT
- *"Hands-on Use of Library Databases"* – Ron Foster, SUNYIT

Electrical Interest Group:
- *"MicroMouse Design Contest"* – Professor Windsor Thomas, SUNYIT
- *"The Northeast Blackout from the Perspective of the Clark Energy Center "* – Leonard Panzica and David H. Finn, New York Power Authority
- *"Intellectual Property Issues"*- Joe Mancini, Patent Attorney, Air Force Research Laboratory in Rome, NY

Mechanical Interest Group:
- *"High-Efficiency Water Heater"* – John Hoyt, Enviromaster
- *"Computer Based Mechanical Measurements"* – Assistant Professor Dan Jones, SUNYIT
- *"Secured Distributed Manufacturing Systems"* – Professor Digen Das, SUNYIT

Architectural/Civil Interest Group:
- *"Use of GPS in Construction"* – Christopher Langett, New York State Dept. of Transportation
- *"Roundabouts"* – Howard McCulloch, New York State Dept. of Transportation
- *"Use of GIS"* – Elisabetta DeGironimo, Mohawk Valley Water Authority

We were delighted to have the following individuals in attendance:

Alesso, Phil, Alfred State College
Alguire, Bryan, MVCC
Baiocchi, Orlando, SUNYIT
Bankes, Walt, RIT
Baran, Jayne, SUNYIT
Bechtold, Charles, Tompkins Cortland CC
Benati, Eder; Emeritus NTID at RIT
Benincasa, Dan, SUNYIT
Bilodeau, Tom, SUNY Canton
Blickwedehl, Robert, SUNY Canton
Campbell, John, Cayuga CC
Case, Mike, Alfred State College
Ciccarelli, Steve, RIT
Colchamiro, Elliot, NYC Technical College

About the Fall 2004 NYSETA Conference at SUNYIT – continued

…in attendance:

Das, Digen, SUNYIT
De Chant, Oliver, Corning CC
Dunn, Larry, SUNYIT
Easton, Robert, RIT
Fransman, Robert, Alfred State College
Gallagher, Kathleen, Nassau CC
Gellin, Slade, Buffalo State
Glosser, Albert, Erie CC
Haas, Art, Broome CC
Hsie, Atlas, SUNYIT
Ishaq, Naseem, SUNYIT
Jonchhe, Yogendra, Alfred State College
Jones, Dan, SUNYIT
Kelly, William, Broome CC
Kennerson, Shawn, Corning CC
Kahn, Nawaz, Alfred State College
LaVigne, William, NTID@RIT
Lawrence, David, RIT
Lehman, Roger; Emeritus Niagara County
                                            CC
Liu, Ti Lin, RIT
Lundgren, Carl, RIT
Loudis, Michael, Morrisville State College
Marshall, Jeffrey, Alfred State College
McIntosh, Steve, Schenectady CC
Moore, Bob, Excelsior College
Nakhla, Roushdy, Morrisville State College
Newton, Marguerite, Niagara CC
Norton, Christopher, Alfred State College
Novillo, Jorge, SUNYIT
Oliver, Mark, Monroe CC
Pawlik, Peter, Buffalo State
Peskin, Arnie, Excelsior College
Reilly, Joe, SUNY Canton
Rezk, Mohamed, SUNYIT
Richardson, Carol, RIT
Salvo, Carmine; Emeritus SUNYIT
Stahlman, Joanne; Emeritus, Niagara County
                                            CC
Stratton, John, RIT
Tadros, Anglo, SUNYIT
Tezak, Edward, Alfred State
Tretter, Joseph, Erie CC
Thomas, Windsor, SUNYIT

Vance, Gerald, Alfred State College
Vandemark, Ken, Vermont Technical
                                            College
Voisinet, Don; Emeritus, Niagara County
                                            CC
Waters, Christie, Cayuga CC
Williams, John, Alfred State
Wolfe, Andy, SUNYIT
Zech, Robert, SUNYIT

The evening banquet was held at the Holiday Inn. Banquet entertainment was provided compliments of SUNYIT Professor Emeritus Carmine Salvo: Jazz by singer Andrea DelPiano, accompanied by pianist Bill DiCosimo. "Digging up History on the Erie Canal" was presented by Dr. Andrew Wolfe, Assistant Professor of Civil Engineering Technology at SUNYIT.

The breakfast business meeting on Friday morning was held at the Holiday Inn in Utica.

The business meeting was called to order at 8:30 am by President John Campbell.   Minutes of the spring 2004 meeting at Buffalo State were approved with minor revisions.

John summarized the executive board's discussion as to whether NYSETA funds should be used to sponsor outside organizations.   John noted that a constitutional amendment would be needed to do so. There are potential opportunities to enhance NYSETA if selected sponsorships are approved; however, there might be a significant amount of time expended by the executive board in reviewing the proposals.   After much discussion, the executive board unanimously moved and approved the decision not to consider a constitutional amendment at this time regarding the monetary sponsorship of outside organizations or event.

Due to other commitments, Bill Darling has stepped down as the communications officer.   Michael Loudis agreed to serve as the communications officer until spring 2005. Mike put together the fall 2004 newsletter which is now online at: http://www.nyseta.org . Newsletters will no longer be mailed; instead they will be posted on the web.

About the Fall 2004 NYSETA Conference at SUNYIT – continued

Send submissions via e-mail to Michael Loudis at: Loudismj@morrisville.edu.

Vice-President Carmine Salvo noted the following schedule for future conferences and asked everyone to consider hosting a future conference. Excelsior College has expressed an interest in hosting a future conference.

Spring '05	RIT (Dates are March 17-18th)
Fall '05	Vermont Technical College, (tentative dates are October 20-21)
Spring '06	? (See Editor's note below.)
Fall '06	? (See Editor's note below.)
Spring '07	?
Fall '07	Alfred State College

*(**Editor's note:** At the time of the business meeting, two colleges were listed as the tentative hosts for Spring '06 and Fall '06 respectively. They have both scheduled themselves out because of scheduled TAC/ABET accreditation reviews. I have taken the liberty of removing the names so as to avoid any confusion.)*

Kathleen Gallagher, ETA Treasurer, reported a current balance of $13,809.14. Of that total, the amount earmarked for the scholarship fund is currently $3,330.96.

Dave Lawrence, Slade Gellin and Marguerite Newton summarized the interest group sessions.

Peter Pawlick, president of the CET (Council on Engineering Technology) reminded everyone that CET consists of a representative from every school. The next item on their agenda is to schedule a spring meeting in Albany.

John Stratton noted that RIT has been approved as a host for the ETLI (Engineering Technology Leadership Institute) conference which will be held October 1-October 4, 2005. The conference will focus on developing the emerging leadership of the engineering technology community.

Eder Benati requested that the executive board revisit the conference pay structure for retirees.

The meeting was adjourned at approximately 10:00 am for tours to the Wal-Mart Distribution Center and the Mohawk Valley Water Treatment Plant.

A Letter from the President, John Campbell

What I enjoy about being involved with NYSETA, is the way the organization rotates the location for the conferences. We get to visit different parts of New York State and Vermont by rotating the conference location. The local industries and cultures of the area is often highlighted when organizations outside of the college campus gets involved with sponsorship, seminars, and the tours on Fridays. The guest speaker can add an interesting perspective with a local history flavor ton the conference.

Dr Andrew Wolfe, an Associate Professor of Civil Engineering Technology at SUNYIT, did an excellent job relating his first hand experience on "Digging Up the Past - Unearthing the Erie Canal". The conference tour on Friday at Wal-Mart's distribution center was impressive in its own right. The most impressive thing of the tour was how the plant manager kept his cool when a major computer crash occurred, while we were in conference with him. He calmly dealt with this crisis, keeping us informed, and staying on task with the tour of the facility he was so proud of. Talk about crisis management and multitasking!

Each conference is unique because the college that hosts has an opportunity to show improvements in their college campus facilities. I really enjoyed the last conference at the SUNY Institute of Technology, at Utica, because it was remarkable to see the improvements that this college has achieved since the last conference they hosted. The college campus has evolved to one of the most improved college campuses in New York State. The dormitories and the physical facilities improvements are impressive. I remember when they had classes in the old factory

A Letter from the President, - continued

located down in Mill Square. The college had limited housing opportunities for their students. The student center was not built and most of the buildings on the back side of the campus were under construction or in the planning stages. Seeing the improvements first hand was a rewarding experience.

I want to thank the SUNYIT staff and the conference Chairperson Jayne Baran for hosting the last conference. Thanks Jayne for reducing the cost of the conference and increasing the interest by combining with FACT. The conference was titled "Bringing Technology to the Classroom" and we offered more choices on the interest group sessions by adding sessions dealing with Online courses, On-Line Portfolios, and using Library Data bases. Electrical sessions included Micromouse competiton, Northeast blackout. Hey, we even invited a lawyer. He did an excellent job of speaking about "Intellectual Property Issues" that related to the classroom and property rights of publishing and patent law. The Mechanical group had sessions on High efficiency Water Heaters, Computer Based Measurements, and Distributed Manufacturing Systems (DMS). The Civil group had sessions on Use of GPS in construction, Roundabouts for transportation, and Use of GIS. The seminars are always relevant. Having this many choices for the interest group sessions forced people to make some tough choices on what to attend. The vendor area was highly successful and well attended as well. Overall, the SUNYIT Conference was a success. I can't wait for Jayne Baran to host another conference, so we can see the improvements at SUNIT.

New York State is very fortunate to have such a diverse network of colleges in the SUNY System, CUNY System in New York City, and the private colleges across this great state. NYSETA members have a unique opportunity to visit these diverse institutions of higher learning by attending conferences. Attending an NYSETA conference is a productive way to network with educators and learn from others to improve on our own educational goals. You might even learn something new and interesting about that local area.

I hope to see you at the next conference at Rochester Institute of Technology (RIT) in the spring of 2005.

> Sincerely,
> John Campbell
> NYSETA President

A Letter from the Vice-President, Carmine Salvo

Upcoming Conference: Our Spring 2005 Conference is at RIT/NTID on March 17th and 18th. John Stratton and his colleagues have prepared an interesting conference including a special Pre-Conference Workshop on Preparing for a TAC/ABET visit. That topic is important since the new TAC/ABET criteria is so different than the old approach. Try to arrive early so you can learn from the experiences of schools who have undergone re-accreditation under the new criteria. Information on the RIT/NTID conference is available on the web via a link on the NYSETA webpage at http://www.nyseta.org .

Future Conferences: The Fall 2005 Conference will be in Vermont at Vermont Technical College. Future conference sites planned for 2006 will be changing as both Nassau Community College and Alfred State have indicated that they will not be able to host then.

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 am sure we can readjust schedules to fit in volunteers.

Spring 2005	RIT
Fall 2005	Vermont Tech
Spring 2006	?
Fall 2006	?
Spring 2007	?
Fall 2007	SUNY Alfred

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

A Letter from the Vice-President, -continued

etagen@list.sunyit.edu currently with 127 subscribers including members from **all interest groups.**

etaciv@list.sunyit.edu currently with 28 subscribers for Civil, Construction, and Architectural, etc. issues relevant to the **Civil Interest Group.**

etaelec@list.sunyit.edu currently with 58 subscribers for Electrical, Electronics, Electro-mechanical, Telecomm, Computer Technology, etc. issues relevant to the **Electrical Interest Group.**

etamech@list.sunyit.edu currently with 41 subscribers for Mechanical, Manufacturing, Industrial, etc. issues relevant to the **Mechanical Interest Group.**

etaexec@list.sunyit.edu currently with 16 subscribers for communicating with the **Executive Committee.**

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

I also plan to setup a listserver with the names of all the **Institutional Representatives** as soon as I get a valid list of names and their permission to subscribe them.

The old listservers are being deactivated in January 2005 so please use the new list addresses above effective immediately.

Newsletter: Thanks to the efforts of Mike Loudis, we have successfully migrated to an online newsletter which appears at http://www.nyseta.org (This change will save on printing and mailing costs and bring NYSETA into the modern era). As you can see from the first on-line edition, the look and feel of Elliot Colchamiro's printed version has been retained very well by Mike.

Thanks and Kudos: Jayne Baran and her colleagues at SUNYIT hosted our Fall 2004 Conference. The attendance was fairly large in part due to the Jayne getting a grant from SUNY FACT, the Faculty Access to Computing Technology initiative which supported the greatly reduced conference registration fee. Our thanks to all who assisted Jayne in running the conference and to our speakers and exhibitors. Great job!

Carm

News from around the State

Alfred State College
by Edward G. Tezak

Alfred State College is still looking to fill the position of Dean of Engineering Technology. Meanwhile Chuck Neal continues to be the Acting Dean and Carol Stewart is the Interim Assistant Dean.

New faculty for AY 2004-2005 are Chris Norton and Bob Fransman in Electrical and Computer Engineering Technology, Ruijin Ma a surveying instructor in the Civil Department and Anselm Tshibangu in the

Alfred State College – (continued)

Mechanical Engineering Technology Department. Anselm has been brought on to assist in the launching of the Bachelor of Technology (B.T.) in Manufacturing Technology. We are waiting for official approval from Albany and intend to seek NAIT accreditation for Industrial Technology.

Alfred State College, in conjunction with Corning Community College and Jamestown Community College, collectively referred to as STEAM (Southern Tier Educational Alliance for Manufacturing), has been named a recipient of a $250,000 grant from the Society of Manufacturing Engineers (SME). The grant's purpose is two-fold: to finalize development of a new manufacturing technology bachelor's degree at Alfred State College that will allow students from the various manufacturing-related associate degree programs at the three colleges to obtain a bachelor's degree. The project will also involve revising the existing manufacturing-related programs for a seamless transfer to this new bachelor's degree.

The biggest activity on campus is final preparation for the Middle States Accreditation Visit this Spring.

Broome Community College,
by Gary Digiacomo

The Electrical Engineering Technology department at Broome Community College is involved in a Perkins grant designed to infuse entrepreneurship skills and principals into technical programs. As part of this program, the students will be involved in the design and manufacture of printed circuit boards utilizing high intensity LED's. These circuit boards will be part of custom billet aluminum tail light housings that are being built by Eckcraft metal arts in Binghamton, New York. The tail lights will be used on custom one-of-a-kind motorcycles.

Two of these projects have already been completed. The first project is a tail light in the shape of the number three which was built for a motorcycle designed to commemorate the NASCAR driver Dale Earnhardt. This bike will tour the country and be on display at this year's Daytona 500 race. The second project is a tail light for the Speed Channel which will be filming a series of shows on building a custom motorcycle. This series will be aired on the 2 Wheel Tuesday show. This semester, the students will be designing and building circuit boards that will be used in tail light housings that are being built for Orange County Choppers in Montgomery, New York. These tail lights will be part of the American Chopper show on the Discovery Channel. The students are very excited and enthusiastic about being involved in these projects.

Watch for us on the Speed Channel and the Discovery Channel. There are also some pictures of our projects on the department web page, www.sunybroome.edu/~eet_dept/LED/

Erie Community College,
by Vincent Kassab

The departments of Engineering Science, Mechanical Engineering Technology and Electrical Engineering Technology participated in a Summer Academy Program last summer to stimulate interest in technology among high school students. We focused on junior and senior classes. Existing introductory courses were modified to provide extra appeal to high-school students. Participants received college credit for these courses with all tuition and fees covered by a grant. Electrical students received credit for electronic fabrication and built a

Erie Community College – (continued)

mobile robot that they could keep. Mechanical students fired a rocket as part of their course. The program will be repeated this summer. An effort will be made to make this a permanent offering.

The technologies have long complained about lack of effective marketing. Several actions are being taken that will help improve our marketing. A technology specific view-book is being generated. It should be available by the end of the current semester. A division-wide marketing committee has been formed to develop a comprehensive marketing plan utilizing existing resources and identifying new activities or resources to enhance our marketing. Assessment and continuous improvement will be extended to include marketing.

In addition to the technology view-book, we are planning for additions to the college web-site that include promotional material. Close coordination among faculty, admissions, recruitment, marketing personnel and other support groups is considered to be an important component of the plan.

Hudson Valley Community College,
By Susan Kilgallon

We made the news last spring when our steel bridge team went to national finals. According to our press release in May, "the bridge team, composed of nine Civil Engineering Technology students in Professor George Limbrunner's Bridge Design class, ranked 18th out of 44 institutions, besting schools such as Clarkson University and Columbia University. North Dakota State University won the competition. The team advanced to the nationals after finishing third – ahead of fourth-place Rensselaer Polytechnic Institute – in a regional competition held in April at the University at Buffalo. The competitions test students' knowledge and skills by having them design, build and assemble a bridge that is about 1/10th the scale of a real structure. This was the second time in the college's history that a team has advanced to the national competition. Hudson Valley students have been participating in the competition since 1994; a bridge team from the college first advanced to the nationals in 1998."

Another news worthy item reported last April was that HVCC is now producing its own energy using "landfill gas" in combination with natural gas to produce electricity for its entire Troy campus. The college's 8,000-square-foot cogeneration facility, built and operated by Siemens Building Technologies, Inc., burns naturally occurring methane generated by decomposition in the former Troy landfill and natural gas to power Hudson Valley's 90-acre campus, which is home to 17 buildings. The college is the first institution in the State University of New York System to operate "off the grid."

Hudson Valley Community College has made changes to several our administrative personnel. Below are some short biographies excerpted from news releases on those individuals who impact the technology program:

We just recently named Andrew J. Matonak, Ed.D. as our sixth president. He has nearly 30 years of experience in higher education, and is president of Northwest Iowa Community College in Sheldon, Iowa, since 2002. Prior to that position, he served as vice president for student development at Lakeland Community College in Kirtland, Ohio. Matonak said his career has been shaped by his decision to attend Butler County Community College in Butler, Penn: "I didn't have the greatest high school experience, and my option for higher education was Butler County Community College. If it wasn't for those individuals at the college who supported me and

Hudson Valley Community College – (continued)

kicked me in the tail at the same time, I would not be where I am today." After earning an associate's degree from Butler, Matonak received a bachelor's degree from the College of Wooster; a master's degree from Michigan State University; and a doctorate in education from the University at Houston. He is expected to begin in the next month.

Christine LaPlante, Ph.D., of North Greenbush has been named chairwoman of the Civil Engineering, Construction Technology, Mechanical Engineering Technology and Computer Integrated Technology departments in Hudson Valley Community College's School of Engineering and Industrial Technologies. LaPlante has extensive experience in the private sector and teaching at the college level. She comes to Hudson Valley from Fuss & O'Neill New York, where she worked as a consultant specializing in geotechnical and geo-environmental engineering. She also has been a teacher at Hudson Valley, as well Rensselaer Polytechnic Institute, Union College in Schenectady and the SUNY Institute of Technology at Utica/Rome. She is an alumna of Hudson Valley, having earned an associate's degree in mathematics and science. LaPlante received her bachelor's degree in civil engineering, her master's degree in geotechnical engineering and her Ph.D. in civil engineering, all from RPI. She replaces Professor William Darling, who had been serving as department chairman on an interim basis. Dr. LaPlante began her duties in the fall of 2004.

The technology programs also have a new dean as of January 2004. Ann Marie Murray, Ph.D., of Loudonville, an educator with extensive experience in curriculum development, distance learning and the use of technology in the classroom, is the new dean of the School of Business and the School of Engineering and Industrial Technologies at Hudson Valley Community College. Murray has been at Hudson Valley since 1981, and most recently served as associate dean of academic services. In that role, she managed a $1.4 million budget, was responsible for college-wide coordination of instructional resources and supervised the college's Library, Media Center, Instructional Technology, Distance Learning Program, Television Studio and Center for Effective Teaching. She will continue to supervise those areas as dean. Prior to serving as associate dean, Murray was chair of the Mathematics and Science and Engineering Science Department in the college's School of Liberal Arts and Sciences. She began teaching at the college as an adjunct instructor in 1981, and became a full professor in 2000. She has taught a variety of mathematics courses, including calculus, algebra and technical mathematics. She received her bachelor's degree in mathematics from Mount Saint Mary College in Newburgh. Murray also has a master of arts degree in advanced classroom teaching, a master of science degree in instructional technology and a Ph.D. in curriculum and instruction, all from the University at Albany.

Morrisville State College,
by Michael J. Loudis

Construction is nearly complete on Morrisville's new Norwich campus building. The new $7.2 million, 37,000 square foot building on Norwich's Eaton Street, is quadruple the size of the current 10,000 sq. foot instructional facility.

Morrisville's Schelter 12 inch Newtonian telescope is currently being upgraded by Electrical Engineering Technology program senior Nathan Smith. Nathan is designing a 13-bit shaft encoder to give precise measurement of the telescopes right ascension or hour angle. This encoder will interface with an upcoming upgrade that will eventually allow control of the observatory via the school computer network. Nathan is building the encoder under the guidance of Professor Coppola, his industrial electronics instructor, and Jay Caretti, his microprocessor course instructor.

Morrisville State College – (continued)

Morrisville has broken ground on a new calf barn, and has put the finishing touches on two new heifer barns. The construction is the latest additions to the Morrisville State College Dairy Complex, which includes a freestall barn with an electronically enhanced milking parlor, and classrooms hooked up to dairy cattle management software.

Niagara Community College,
by Marguerite Newton

Tech Prep and NCCC hosted TECH WARS 2005 on Jan 12th. Over 350 students and faculty from 16 Western New York area high schools participated in competitions related to Mouse Trap Vehicles, CO_2 Powered Vehicles, Sumo Robots and Drafting projects for Architectural and Mechanical drawings in both traditional and CAD formats using 2D and 3D views. Judges for the events included members of the NCCC Technology faculty, volunteers from local industry and students from the Technology Department at Buffalo State College. Other displays of work from various classes were included in the festivities. Tee shirts were designed for the event by a number of the high schools in attendance and were for sale to help raise funds for their school's robots for next year. It was a great turn out and a good time for all involved. Good press was provided by the Buffalo News and Channel 4 and Channel 7 who showed highlights of the competitions on their evening, late edition and early morning news programs.

The MESA Program (Mathematics, Engineering and Science Achievement) is taking off in the Spring 05 semester. Professor Marguerite Newton is the Director of the new program that is designed to recruit, retain and transfer minority, female and other underrepresented populations majoring in engineering and math based curriculums. The MESA Center which is supported by an equipment grant from HP Corp. includes 6 high speed flat screened computers, printers and digital camera and printing equipment. The Center is designed to give students a place to work and study together. There will also be tutoring, workshops and counseling available in the Center to help students maintain their QPA's and successfully transfer to the 4 yr.college of their choice.

NCCC was selected as one of 6 colleges outside of California to establish pilot programs based on the highly successful MESA Community College Program (MCCP). Other colleges in the pilot program include Chicago State University (Chicago IL.), Darton College (Albany GA.), Essex County College (Newark NJ), Georgia Perimeter College (Decatur GA), St. Louis Community College (St. Louis MO). The campuses were chosen after undergoing an extensive five-month selection process.

Rochester Institute of Technology, RIT, Rochester, NY,
by Carol Richardson

In the Fall 2004-05 the National Science Foundation (NSF) awarded RIT a four-year grant of $396,000 from its 2004 Computer Science, Engineering, and Mathematics Scholarships (CSEMS) program to increase substantially the number of high technology workers and to develop high-quality professionals in selected fields. RIT is providing matching scholarships to support this program. These scholarships are in addition to the RIT grants and scholarships already awarded by RIT. The Multi-department Engineering and Engineering Technology (MEET) Scholars Program is a collaborative effort between the following five academic departments and nine academic programs:

Rochester Institute of Technology – (continued)

- Electrical, Computer and Telecommunications Engineering Technology (ECTET) Programs from ECTET Department
- Manufacturing and Mechanical Engineering Technology (MMET) and Electrical/Mechanical Engineering Technology Programs from the MMET/Packaging Science Department
- Civil Engineering Technology (CET) Program from CET /Environment Management/Safety Technology Department
- Electrical Engineering Program from Electrical Engineering Department
- Mechanical Engineering Program from the Mechanical Engineering Department

Scholarship Structure

RIT just awarded thirty MEET scholarships for six quarters in the Winter quarter of 2004. Twenty of these scholarships were awarded to transfer students enrolled in engineering technology programs at RIT and the majority of the students transferred from New York State colleges. RIT will award a minimum of fifteen additional MEET scholarships in the Fall quarters of 2005, 2006, and 2007. MEET scholars will receive a scholarship of $1500 each quarter during their first two quarters at RIT that they are enrolled in a full load of academic courses.   The scholarship award will be reduced to $750/quarter for the remaining four quarters of academic courses after the MEET scholar has completed two co-operative education blocks. Transfer students do not need to apply for a MEET scholarship. All eligible students will be considered for the scholarship.

Eligibility

Awardees under the MEET Scholars Program will meet the following criteria. Each scholar must:

- Be a transfer student that has submitted an application for one of the MEET programs at RIT by March 15 in the year that the student is applying to RIT and has been accepted by a MEET program and be eligible to transfer 84 quarter hours to RIT in the Fall quarter of the academic year of entry;
- Be a citizen, national, refugee alien or permanent resident alien of the United States of America;
- Be matriculated and enrolled **full-time** in a MEET discipline;
- Have demonstrated financial need as defined by the U.S. Department of Education and made by the RIT Office of Financial Aid upon receipt of results from the Free Application for Federal Student Aid (FAFSA).

Selection Process

The Selection Committee shall consist of the MEET Department faculty representatives and the Director of Financial Aid. The Director of Financial Aid will identify all full-time students in the eight MEET programs that have demonstrated financial need as defined by the U.S. Department of Education rules for federal financial aid. The Selection Committee will review the eligible students and will chose a maximum of 30 students in the first year of the program and a minimum of 15 additional students in the following three years.

MEET scholars must meet the current admissions criteria that include a variety of indicators of merit including GPA at their 2-year school. Each academic program has its own admissions criteria but recognizes that the admissions process must be flexible enough to accommodate applicants who come from diverse backgrounds and will consider additional indicators of merit that may become evident during the review of student application materials.

Rochester Institute of Technology – (continued)

MEET Program Faculty Mentors

Maureen Valentine	Civil Engineering Technology
Carol Richardson	Electrical, Computer and Telecommunications Engineering Technology
Robert Merrill	Electrical/Mechanical, Manufacturing, and Mechanical Engineering Technology
Vincent Amuso	Electrical Engineering
Vinnie Gupta	Mechanical Engineering

MEET Scholar Academic Performance Requirements

The scholarship will only be renewed if the MEET scholar:
- demonstrates financial need for each additional year,
- remains matriculated full time in any engineering or engineering technology BS program of the five participating departments, and
- maintains a quarterly GPA $\geq$ 2.50

An MEET scholar whose GPA falls below 2.5 will have one quarter of probation to improve his/her GPA if he/she participates in an appropriate intervention program to improve his/her academic performance. An MEET scholar whose GPA has not improved in the probation quarter will no longer be eligible for the MEET Scholarship Award.

Questions

Questions on the MEET Scholarship Program at RIT may be sent to Professor Carol Richardson at: carite@rit.edu. Professor Richardson can be contacted at (585) 475-2105.

SUNY Institute of Technology, Utica, NY,
by Jayne Baran

The School of Information Systems and Engineering Technology has a new interim dean. Dr. Jorge Novillo is a faculty member of the computer science department and has served as chair of the department for a number of years.

Beginning fall 2005, the Master of Science in Advanced Technology (MSAT) program at SUNYIT will be offered full-time. MSAT is an interdisciplinary, practice-oriented graduate program designed to meet the diverse needs of industry with a broad technical scope. Students complete ten 3-credit courses and a project. The 33-credit MSAT degree may be completed in 3 semesters. Saturday and evening classes will continue to be offered for part-time students. For further information, visit: http://www.sunyit.edu/academics/programs/atc/ or contact the MSAT coordinator Daniel K. Jones, at: dkjones@sunyit.edu.

One of our spring 2003 graduates in civil engineering technology, Ismail Zebari, was killed in Iraq this November 2004. Ismail, who was an American citizen but had been born in Iraq, was serving as an interpreter.

SUNY Institute of Technology – (continued)

He was a very good student and a very nice person who went over to Iraq to make a difference. Ismail had also attended Broome Community College.

According to the ASEE Prism (January 2005 issue) SUNYIT was ranked 10th in engineering technology bachelor's degrees awarded by school during the 2002-2003 academic year. RIT was ranked number 7. The top 15 were:

1.	Ferris State University	364
2.	Purdue University School of Technology	364
3.	Wentworth Institute of Technology	236
4.	Indiana U. Purdue U. Indianapolis	223
5.	Southern Polytechnic State University	198
6.	DeVry University, Phoenix	185
7.	**Rochester Institute of Technology**	**180**
8.	Texas A&M University	166
9.	University of Southern Mississippi	147
10.	**SUNYIT**	**133**
11.	Oklahoma State University	130
12.	Univ. of North Carolina, Charlotte	126
13.	Northeastern University	123
14.	University of Toledo	118
15.	Oregon Institute of Technology	105

Technical Career Institutes (TCI), NYC,
by Jerome Zornesky

TCI will be visited by a Middle States Accreditation team on Feb. 6 and 7 for initial accreditation consideration. This apparently is the final step after approval of our Self Study report several months ago. Since Outcomes Assessment is a significant part of this accreditation process, the TAC of ABET visit to TCI in the Fall will be easier to prepare for in view of their similar Outcomes Assessment criteria.

After three consecutive semesters of low enrollment, our EET program showed a significant increase both last semester and this (Spring 2005) semester with about 30 new students enrolling in each of those semesters. Top level management is still debating whether and when to begin our revised Computer Software Technology program. A new Health Information Technology program was instituted in the Summer 2004 semester and appears to be attracting about 20 new students per semester.

TCI is still functioning without a president although our CFO has been the acting president for about 6 months.

Tompkins-Cortland Community College

Bill Kleitz of Tompkins Cortland CC reports that his school has shifted CPLD and VHDL training to the Quartus II version of Altera's design and simulation software. By joining the University program at Altera Corporation (www.altera.com), the college was provided free software and CPLD hardware to enhance the laboratory experience.

Tompkins-Cortland Community College – (continued)

Bill has written a new textbook entitled "Digital Electronics with VHDL: Quartus Version" which is due out in June 2005. He has also included CPLD applications in his 7th edition Digital Electronics textbook. (See www.prenhall.com/kleitz)   CPLD Tutorials used in digital labs are available at Bill's website: http://www.acad.sunytccc.edu/instruct/kleitz/AlteraTutorial.pdf

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.

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
Alfred, SUNY College of Technology.........	Ron Nichols
Bronx Community College..................	Nasser Abdellatif
Broome Community College.................	Arthur Haas
Buffalo State, SUNY College	Peter Pawlik
Canton, SUNY College of Technology....	Emin Turker
Clinton Community College	Al Cordes
Cayuga Community College....................	John Campbell
College of Aeronautics	?
Corning Community College...................	Al Gerth
Delhi, SUNY College of Tech.................	William Zacharczenko
Dutchess Communuity College...............	James Braazee
Erie Community College North.......	?
Farmingdale, SUNY College of Tech.....	Jeff Hartman
Finger Lakes Community College..........	Marsha Walton
Fulton-Montgomery Community Coll.......	Richard Prestopnik
Herkimer County Community College.....	Gerald Angelichio
Hudson Valley Community College.........	Susan Kilgallon
Jamestown Community College................	Charles Rondeau
Mohawk Valley Community College.........	Paul Migliaccio
Monroe County Community College..........	Mark Oliver
Morrisvile, SUNY College of Technology	Ms. Patricia Elko,
Nassau County Community College...........	Fred Schoenfeld
National Tech. Institute for the Deaf at RIT	Jim Mallory
New York City Technical College................	Elliot Colchamiro
New York Institute of Technology…………	?
Niagara County Community College.........	Charles Fowle
Onondaga County Community College.....	Ramesh Gaonkar
Orange County Community College..........	?

NYSETA Institutional Representatives – continued

Institution	Institutional Representative
Queensborough Community College.........	Stuart Asser.
Rochester Institute of Technology.............	Martin Gordon
Rockland Community College	?
Schenectady County Community College...	John Schroeder
Staten Island, College of...........................	?
Suffolk County Community College..........	Peter Maritato
SUNY Environ Sci/ Forestry at Syracuse..	George Kyanka
Technical Career Institutes Inc..................	Jerome Zornesky
Tompkins Cortland Community College...	Charles Bechtold
Ulster Community College	?
US Merchant Marine Academy	Charles Hubert
Utica/Rome, SUNY Inst. of Tech.	Jayne Baran
Vermont Technical College.................	Ken Vandermark
Westchester Community College	?

The NYSETA Spring '05 Conference
at RIT in Rochester,
March 17th & 18th, 2005

Visit the Spring '05 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 Park Plaza Hotel, and other information and updates.

About Our Next Newsletter

Our Next Newsletter will be distributed the second week of September 2005. Articles received prior to September 5th, will be included. Your input is needed, 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

Thanks,
Mike Loudis