

# NEW YORK STATE ENGINEERING TECHNOLOGY ASSOCIATION

PO Box 7203, Garden City, NY 11530-7203

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



## Fall 2004 NEWSLETTER

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**The NYSETA Fall '04 Conference  
at SUNYIT in Utica  
October 21<sup>st</sup> and 22<sup>nd</sup>**

**The CET Fall '04 Meeting  
at SUNYIT in Utica  
October 21<sup>st</sup>**



## About the Coming Fall 2004 Conference at SUNYIT

By Jayne Baran, Conference Chair

The NYSETA Fall 2004 Conference will be hosted by The **SUNY Institute of Technology**, ("SUNYIT"), in Utica NY Thursday and Friday, October 21st and 22nd. The SUNY Faculty Access for Computing Technology (FACT) is helping support the conference. Lodging will be at the nearby Holiday Inn Utica, located at the Utica Business Park, Burrstone Road.

Area and regional equipment manufacturers, as well as, text and software publishers will meet with the conferencees, in SUNYIT's *Campus Center*. 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.*

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**The Holiday Inn Utica is providing hotel rooms at a special NYSETA rate of \$89 per night. Please call them by October 1<sup>st</sup> at:  
1-800-465-4329 or,  
1-315-797-2131.**

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### The Plenary Session:

The plenary session will begin at 11:00 with a talk on: "**Educating Educators about What it Means to Develop Survivable Critical Infrastructure Systems**" by **Dr. Heather Dussault**, Member of the Griffiss Institute for Information Assurance.

### 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

*"Teaching On-Line Courses with SUNY Learning Network"* - Professors Richard Havranek and Lousie Dean-Kelly, SUNYIT

*"Student On-Line Portfolios"* - Prof. Russell Kahn, SUNYIT

*"Hands-on Use of Library Databases"* - Ron Foster, SUNYIT

### Electrical Engineering Technology

*"MicroMouse Design Contest"* - Prof. Windsor Thomas, SUNYIT

*"The Northeast Blackout from the Perspective of the Clark Energy Center"* - David H. Finn, New York State Power Authority

*"Vulnerabilities in Wireless Networks"*- Jeffrey Isherwood, CyberScience Laboratory, a program of the National Institute of Justice

### Mechanical Engineering Technology

*"High-Efficiency Water Heater"* - John Hoyt, Enviromaster

*"Computer Based Mechanical Measurements"* - Prof. Dan Jones, SUNYIT

*"Secured Distributed Manufacturing Systems"* - Prof. Digen Das, SUNYIT

### Architectural & Civil Technology

*"Use of GPS in Construction"* - Christopher Langett, New York State Department of Transportation

*"Roundabouts"* - Howard McCulloch, New York State Department of Transportation

*"Use of GIS"* - Elisabeth DiGironimo, Mohawk Valley Water Authority

The *networking hour and banquet* will take place at the Holiday Inn. The after-dinner speaker will be **Dr. Andrew Wolfe**, of SUNYIT's Civil Engineering Technology Department. Dr. Wolfe will present a brief talk on *"Digging up History on the Erie Canal"*



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## About the Coming Fall 2004 Conference at SUNYIT - continued

### The Friday Morning NYSETA Business Meeting

The general membership meeting will begin with the reading of the minutes from the Spring '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 Wal-Mart Distribution Center and the Water Treatment Plant

### Visit the Fall '04 Conference Website

Follow the links to the Conference Website through:

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

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

### Conference Fees

The conference registration fee for: NYSETA members and SUNY Campus faculty members (in science, technology, engineering and math) who have their application and payment postmarked by October 8th, is forty dollars (\$40 US). Retired and emeritus NYSETA members is fifty dollars (\$50 US). Walk-ins and those who register after October 8th, is ninety-five dollars (\$95 US). A non-member paying the \$95 dollar fee will be granted a courtesy membership in

NYSETA for the remainder of 2004, and, a guest to the Thursday night banquet, and possibly the Friday field trip as well, is fifty dollars (\$50 US).

Connie Castellano will handle the registration forms. For other information please contact Jayne Baran.

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## The Council of Engineering Technology – Fall '04 Meeting

The Fall '04 meeting of the Council of Engineering Technology (The CET) will be held at SUNYIT on Thursday, October 21 at 10 am.

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## About the Spring 2004 NYSETA Conference held at Buffalo State College

The NYSETA membership and executive committee would like to thank **Conference Chair Slade Gellin**, and his many associates for a super **Spring 2004 NYSETA** conference at Buffalo State College.

In addition, we would like to thank the following exhibitors and patrons who participated and helped support the conference: Allison Associates, Armfield, Inc., Buffalo Prototyping Technologies, Coade Engineering Software, Electronics Workbench, Feedback Incorporated, GDJ, Inc., Math Soft Engineering & Education, Inc., Newark in One, Prentice Hall, Research Foundation of Buffalo State College, Tech-Ed Systems, Inc., TorComp, Inc., and, John Wiley & Sons, Inc.

The conference opened with a continental breakfast at the Albright-Knox Art Gallery. Dr. Muriel Howard, President of Buffalo State, welcomed the group to the campus and introduced the **plenary speaker, Dr. Uma Gupta**, President of Alfred State College. Dr. Gupta gave a dynamic presentation on the types of questions educators should be asking. She stressed the importance of feedback and continuous improvement.

Following the plenary session, interest group sessions were presented. They included:

### Architectural and Civil Engineering Technology:

***“Relocation of the Cape Hatteras Lighthouse”***

- Joseph Jakubik, International Chimney Corporation

***“Experience is the Best Teacher”*** - Mark Glynn, Glynn Geotechnical Engineering

***“Tensioned Membrane Structures”*** –

William Barden, Taiyo Birdair Corporation

### Electrical Engineering Technology

***“August 14, 2003 Blackouts - Discussion of the Interim Report of the US Canada Power Outage Task Force”*** - Leonard Fiume,

Niagara Mohawk

***“Fuel Cell Demonstration Project”*** –

Joe Siegrist, ATSI Incorporated

***“IEEE 1451: A Family of Smart Transducer Standards”*** - Paul Hufnagel, Kistler Instrument Corporation

### Mechanical/Energy/Manufacturing Interest Group

***“Mechanical Engineering in the Industrial Marketplace”*** – Jim Adams, ATSI Incorporated

***“Engineering Technology for Special Machinery Design”*** – James Stachewicz,

Keller Technology Corporation

***“Energy Savings Attributed to Matching Air Capacity with Demand”*** - Edward Czechowski, Cooper Turbocompressors

We were delighted to have the following individuals in attendance:

Alesso, Phil, Alfred State  
Kennerson, Shawn, Corning CC  
Andre, Stephen, Buffalo State  
Kukulka, David, Buffalo State  
Ashman, Alvin, Erie CC  
Lawrence, David, RIT  
Baker, David, RIT  
Loudis, Michael, Morrisville State Col.  
Colchamiro, Elliot, NYC Col. Of Tech.  
Balke, Jonathan Corning CC  
Lydon, James Erie, CC  
Banks, Walt, RIT  
Mallory, Jim, RIT  
Banks, Proves, Buffalo State  
Marshal, Jeff, Alfred State



## In attendance – continued

Baran, Jayne, SUNYIT  
Moini, Shohreh, Erie CC  
Boeck, Frank, Niagara County CC  
Newton, Marguerite, Niagara CC  
Burnette, James, Erie CC  
Pawlik, Peter, Buffalo State  
Campbell, John, Cayuga CC  
Rezk, Mohamed, SUNYIT  
Cochran, Timothy, Alfred State  
Richardson, Carol, RIT  
De Chant, Oliver, Corning CC  
Salvo, Carmine, SUNYIT  
Devgun, Mohan, Buffalo State  
Schoenfeld, Fred, Nassau CC  
Easton, Robert, RIT  
Serwon, Edward, Erie CC  
Gallagher, Kathleen, Nassau CC  
Stratton, John, RIT  
Gellin, Slade, Buffalo State  
Tezak, Edward, Alfred State  
Glosser, Albert, Erie CC  
Waters, Christie, Cayuga CC  
Grinberg, Ilya, Buffalo State  
Williams, John, Alfred State  
Hsie, Atlas, SUNYIT  
Zadeh, Dariush, Erie CC  
Kassab, Vincent, Erie CC  
Zanzano, Pat, Niagara CC

The evening banquet was held at the Hyatt Regency Hotel. *"A Brief History of Aviation in Western New York"* was presented by Mr. Richard Byron, Curator of the Niagara Aerospace Museum.

The breakfast business meeting on Friday morning was held at the Hyatt Regency Hotel in Buffalo. Highlights of the business meeting included the election of new NYSETA officers. Prior to the vote, each potential candidate gave a small presentation. The results of the elections were as follows:

President: **John Campbell**, Cayuga CC  
Vice-President: **Carmine Salvo**, SUNYIT  
(retired),  
Treasurer: **Kathleen Gallagher**,  
Nassau CC  
Secretary: **Jayne Baran**, SUNYIT

NYSETA Scholarships were announced. There were 12 entries, and 8 were awarded.

The interested groups presented a summary of the conference presentations. A suggestion was made for the fall 2004 conference to include a session on TAC-ABET. Many of member's institutions are going through the process; we need to share ideas.

Kathleen Gallagher, ETA Treasurer, reported a current balance of \$14,415.

A special award was given to Elliott Colchamiro for serving as NYSETA Secretary for the last 30 years. In that time, NYSETA has had 10 presidents, 8 vice-presidents, and 3 treasurers.

Once again, a big thanks was given to Buffalo State College, especially Slade Gellin, the conference chair.

The meeting was adjourned at 9:45 for tours to the Frank Lloyd Wright's Darwin Martin House and the Niagara Aerospace Museum.



## A Letter from the President, John Campbell

I would like to thank everyone for your vote of confidence electing me to serve as the president of New York State Engineering and Technology Association (NYSETA). This organization has contributed to my continuous learning process and I wish to give back some of my time and effort to serve the membership of NYSETA. I deeply appreciate this honor and will do my best to help this organization.

I want to thank everyone at Buffalo State College for an excellent conference. Thank you Peter Pawlik, Slade Gellin, Ilya Grinberg, David Kukulka, Stephen Andre, Proves Banks, Mohan Devgun, and the Buffalo State College staff. We started the day with Brunch at the Albright-Knox Art Gallery. Then we proceeded to the plenary session by Dr. Uma G. Gupta, the President from Alfred State College, "Global Citizen of Tomorrow: An Engineer's Perspective". The Buffalo Conference used outside organizations and local industries for many of the interest group sessions; this really made it a unique conference and gave many faculty members a nice experience with the local industries and organizations that make Buffalo "An All American City". The sessions were very informative and the participation from local industries and organizations added a nice change to the Interest Group Sessions. The vendor participation and the patrons that defrayed some of the cost added an extra boost to an already successful conference. Thanks to Allision Associates, Coade Engineering Software, Cooper Turbo Compressor, Math Soft Engineering & Education, Torcomp, and the Research Foundation of Buffalo State College for contributing to the conference. In every way the conference was a great success.

I was reflecting on why I participate in

NYSETA. The reasons are simple: conferences, tours, and networking. This organization is one of the best resources for anyone involved in engineering, technology, and education. Often in technologies and engineering we attend conferences and events to improve on our knowledge of technologies within our specific field. This organization has conferences that are diverse and interesting and contribute to our life long learning process. NYSETA Conferences happen only twice per year, every Fall and Spring, at different colleges across New York State and Vermont. It is interesting to see the different colleges and the diverse local industries for that specific area. The Interest Group Sessions are often timely and deal with issues and challenges that we all are faced with teaching engineering and technologies. It is also interesting to attend the tours on Friday when we visit industries or specific sites of interest like the Darwin Martin House or the Niagara Aerospace Museum in Buffalo or the insider's tour of the World Trade Center site in New York City. The tours of the local industry or interesting sites near the college that hosts the conference are both educational and entertaining. These are often once in a lifetime experiences that we can draw from that enrich our professional and personal experiences. I love to tour the diverse industries across New York State with the insider's tour NYSETA we are often privileged to. NYSETA conferences offer interest group sessions with Mechanical, Electrical and Civil/Architecture and educational challenges. Attending conferences with sessions specific to technologies, education, and related issues that are important and timely to the members of NYSETA is a great reason to get involved.

The real reason I participate in the conferences is to network. The chance to meet with the two-year community college and university level faculty members across New York State and Vermont and share a common interest in



## A Letter from the President, - continued

technology, engineering, and education is unique. The networking aspect really helped me when I first started my career teaching. I left industry to teach and there were many aspects of engineering and education issues, more than I could imagine, that this organization helped this younger faculty member deal with. The issues that challenge us every day like software, hardware updates, books, subject matter, education issues, student adventures, and teaching techniques are all mastered by our fellow NYSETA members. This is why I would like to urge more of the faculty across the state that is not currently active to participate in NYSETA. Networking within this organization has helped me out in many ways. In this day and age time is the commodity we need more of. It is well worth the time to attend the conferences. The next conference at Utica will provide a nice opportunity to get involved with NYSETA by attending conferences.

This fall the conference at SUNYIT will not only be interesting because of the added interest group sessions, "Bringing Technology to the Classroom", it is also partially funded through a grant that will reduce the cost. The location is central to New York in Utica. The cost will be reduced because of the grant secured by Jayne Baran, Carm Salvo, and the SUNYIT staff. I look forward to your participation in the future conferences, attending the Friday tours and events, and making the most of the opportunity to network with your fellow members of NYSETA.

Thanks again to everyone in this organization. I am looking forward to giving back to this organization by serving as your president.

Sincerely,  
John Campbell  
NYSETA President

## A Letter from the Vice-President, Part 1

It's 2:00 am. I am leaving from SUNYIT at 6:00 am for Buffalo for the Spring 2004 Conference. But I thought I should at least prepare a short column to bring to the meeting. Those attending the meeting will hear a **major** announcement from one of our most senior officers. Stay tuned.

Since my last column which I wrote in January 2003, the Spring 2003 Conference was held at Corning Community College. The plan to have the Fall 2003 Conference at Onondaga Community College fell through and New York City Technical College stepped in. Thanks to both Corning and NYC Tech for two fine conferences. I have pictures on a CD from both conferences if you want copies, including pictures from ground zero at the World Trade Center site. Email me at [carmine@usadatanet.net](mailto:carmine@usadatanet.net) and I will send you copies.

Our Spring 2004 meeting at Buffalo State looks very interesting. Following recent practice, information regarding the conference was posted at <http://www.nyseta.org> with two notices also sent by mail.

I have been working with your colleagues on setting up a schedule of future meetings. The Fall 2004 conference will be at SUNYIT. Jayne Baran is well along in preliminary planning. The Spring 2005 meeting is at RIT. Fall 2005 is planned for Vermont Tech. Nassau Community College plans to host in Spring 2006 and Alfred State in Fall 2006.

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.



## A Letter from the Vice-President, Part 1

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Fall 2004	SUNYIT (Utica/Rome)
Spring 2005	RIT
Fall 2005	Vermont Tech
Spring 2006	Nassau C.C.
Fall 2006	Alfred State

Hope to see you all at every meeting!

Carm

## A Letter from the Vice-President, Part 2

It is now June 6, 2004 and since our last meeting a number of changes have occurred and I feel compelled to update the VP Column distributed at the Spring 2004 conference at Buffalo State.

Our longtime NYSETA Secretary Elliot Colchamiro announced he would be retiring from New York City Technical College and stepping down as NYSETA secretary. We will miss his contributions to NYSETA immensely. A huge thank you for all he has done for decades and best wishes in his future endeavors. I hope Elliot keeps in touch and continues to attend our conferences whenever he is able.

Jim Mallory decided to not run for NYSETA President. Again a huge thank you for Jim's leadership and other contributions to making NYSETA a great organization.

## Treasurer's Report

I appreciate your confidence in my discharge of the duties of Treasurer by re-electing me to the post. I don't mind the endless hours of bookkeeping and reconciliation of accounts – real fun weekends – as it's for a truly worthwhile organization and cause. Any suggestions about format or presentation please email me at [gallagk@ncc.edu](mailto:gallagk@ncc.edu). I am not dogmatic and certainly nothing is “cast in concrete”.

As you know, Elliot Colchamiro, our Secretary, since forever, has retired from academia. I'd like to thank Elliot for encouraging my involvement in this organization as I have come to know many good people. I will miss him as my travel companion and his eclectic taste in music from blue grass to Celtic to rockabilly to movie orchestrations. I will also miss his real New York sense of humor. At the Spring 2004 conference at Buffalo State Elliot was presented with a plaque for his unerring service to NYSETA – he definitely has paid his dues and richly deserves our recognition.

Now on to money, money, money....

For the academic year 2003 – 2004 NYSETA's balance sheet is as follows:

<b>TOTAL INCOME:</b>	<b>\$19,154.96</b>
Balance from 2002-2003:	9,799.68
Member dues:	1,410.00
Institutional dues:	1,800.00
Conference Surplus':	6,110.25
Interest:	35.03



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### Treasurer's Report - continued

<b>TOTAL EXPENSES:</b>	<b>\$ 5,345.82</b>
Scholarship Supplies:	24.78
Deposit Stamp	22.50
Fall 04 Exec. Comm. Conf. Expenses	1,315.20
Spring 2004 Scholarships	2,400.00
Gift for Elliot Colchamiro:	80.00
PO Box Annual Fee	58.00
June 2004 Executive Comm. Expenses	945.34
Seed money to SUNY IT Fall 2005 Conf.	500.00
<b>ENDING BALANCE</b>	
2003-2004	\$13,809.14

Approximately 97% of this ending balance is sitting in a Certificate of Deposit with an annual interest rate of 0.95%. The remaining 3% will cover expenses that have not yet been paid. The

Scholarship fund is currently \$3,330.96! Remember that 50% of the membership dues, institutional dues and conference surpluses go toward scholarships. You may include your membership dues for the 2004-2005 academic year with your Fall 2005 conference fee. The Fall conference this year is being hosted by SUNY-IT in Utica. Hope to see you there!!!

Reminder – You may send your dues (still a bargain at \$10.00) to:

NYSETA  
PO BOX 7203  
Garden City, NY 11530

If you have retired or moved, or your college has a new President or colleague, please let me know!

Respectfully Submitted,  
Kathleen Gallagher, PE

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### News from around the State

#### Corning Community College Al Gerth

Corning Community College (CCC), Corning, NY has been awarded an NSF ATE grant: the Remote Studio Laboratory (RSL), together with their partner, Rochester Institute of Technology to carry out the objectives of this project. Principal Investigator, Tom Dunbar, from CCC and Co-PI John Wellin from RIT are collaborating on the 18 month effort.

Many distance labs have been developed as well as “virtual labs.” These have the shortcoming that students don’t get the “hands-on” component that many educators feel is crucial to fully learning science material. Student surveys of the physics labs at CCC support the need to “touch and feel” the physics to perpetuate the understanding of the concepts. Many transfer institutions are going away from a lecture then lab sequence to one where students run experiments and then attempt to describe/interpret results. Theory is then presented to clear things up (conceptual based physics.) Current trends in distance learning foster the movement away from hands-on learning. Clearly, student success of the concepts in science and technology dictate the need to move towards a hands-on laboratory based learning environment.



The project centers on the prototype development of an educational outreach tool, the remote studio laboratory (RSL). The RSL can be used in a variety of settings to reach students and potential students in technology education. The project initiated in May of 2004 will be implemented over through an academic partnership model and can reasonably meet the objectives using the following strategies:

- Prototype development through academic partnership and industry support
- Studio laboratory curriculum developed and/or adapted for a subset of introductory optoelectronics and technical physics courses.
- Evaluation of curriculum by high school, two-year community college and four-year engineering technology transfer institutions.
- Completion of studio laboratory curriculum. Documentation for national dissemination.

Project progress can be monitored on the web at <http://cadfree.corningcc.edu/nsf/>

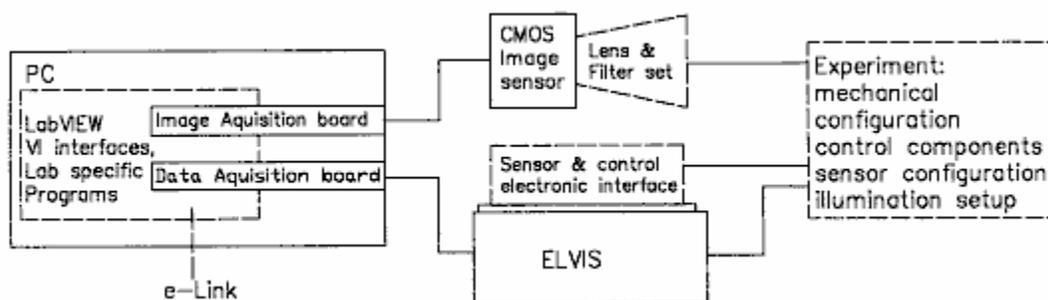


Figure 1: Block Diagram of the RSL Prototype

### Corning Community College - continued

The diagram shown in figure 1 details the components of the RSL prototype. Solid line components are existing production components. Dotted line elements will be developed through this grant activity. The interfaces will be produced to support the sensor and camera functions. Software will be designed to be modular in nature and follow National Instrument's LabVIEW software concept of virtual instrumentation.

Shawn Kennerson has been granted tenure. Shawn is an Assistant Professor in the Mathematics/Physics/Technology Division. He holds a BS from Ohio Northern University and an MBA from Kent State University. Professor Kennerson has been with CCC for five years.

John Longwell, Class of 1969, was promoted from Instructor to Assistant Professor in the Mathematics/Physics/Technology Division. In order to become an Assistant Professor emphasis is placed on classroom performance, completion of a master's degree or equivalent experience, and three years as an Instructor at CCC. Professor Longwell '69 holds an A.S. degree from CCC and a B.S. degree from Rensselaer Polytechnic Institute. He has been an Instructor for three years.

Michael Reynolds was promoted from Assistant Professor to Associate Professor in the Mathematics/Physics/Technology Division. Professor Reynolds holds a B.S. degree from SUNY Oswego. He has been an Assistant Professor for four years.



### **Corning Community College - continued**

Michael Schaffner, Class of 1989, was promoted from Assistant Professor to Associate Professor in the Mathematics/Physics/Technology Division. Professor Schaffner '89 holds an A.A.S. degree from CCC and a B.S. degree from the University of Dayton. He has been an Assistant Professor for four years.

Professor Schaffner received the Board of Trustees 2004 Excellence in Teaching Award.

### **Erie Community College**

Vincent Kassab, Erie CC.

A summer offering of our Electronic Fabrication course was funded by a grant from the Buffalo and Erie County Tech Prep Consortium. It offered 13 students 1.5 credits for a tuition-free course which included the construction and test of a robot that the students kept after the course completion. Students enjoyed the experience and gained college credit to boot. The predominantly high-school junior-level class performed well.

A wealth of free training material is available to support the introduction to embedded microcontrollers and the BASIC Stamp, the brains of the Parallax Boe-Bot robot. The mobile robotics constituted about 25% of the course content. It included construction and test of the robot, building interface circuits needed to implement an application, and running and modifying existing software to support the application.

The EET Department has added an elective course on Embedded C Applications. This course will most likely start by using the Motorola Nitron series microcontroller (68HC908QY4) and the Metrowerks Code Warrior development package, which is free.

The plan is to have students build their micro-controller in the fabrication course and learn its architecture and program it in assembly language in the micro-controller course. Those students with the interest and aptitude can take Embedded C Applications. It will offer the option of PIC or Motorola based microcontrollers.

The Motorola Nitron series of micro-controllers are ultra low-cost and have a low component count for a complete implementation. In-circuit debugging can be done with no additional hardware. The PIC processors require the ICD2. Other members of the Motorola family require an ICD type device such as the PE Multi-Link. An alternative that is viable for microcontrollers with larger flash memories is to place a short debugger in flash. I developed a double-sided SMT implementation of a Motorola 68HC908GP32 that uses the Pony software monitor/debugger. It resides in 4K of flash memory. A similar program for the PIC18F452 is called QuikBug. It occupies 8K of flash.

The EET Department entered into an agreement with the Niagara Frontier Radio Reading Service whereby our students will repair 30 to 50 of their SCA FM receivers per year. These are used by the visually handicapped to listen to readings of novels, newspapers, etc. The agreement provides real-world troubleshooting experience for our students and a useful public service for a non-profit organization.

The department is now encouraging students to take the Certified Electronics Technician (CET) test. It was recommended by our Advisory Council and may become required in the future. The test serves as a capstone activity and as a measurement of accomplishment of program objectives to be used in the assessment and continuous improvement process now being advanced by TAC/ABET.



### **Morrisville State College**

Michael J. Loudis

Morrisville State College has installed a propeller wind turbine on a hill near its dairy complex. The turbine sits atop a 120 foot tower, and will produce an average 5000 watts, enough to save the college about \$4600 a year on its electric bill. Power from the windmill will run milking machines, refrigerators, lights, pumps and other machines in the dairy complex. Next year, the college plans to build a digester which will use soft dairy barn waste to generate methane, which will then be used to drive electric turbines.

Students in Morrisville State College's residential construction program are building a cape style house on a parcel of land owned by the college. The house will include 2100 square feet of floor space, 3 bedrooms, 3 full bathrooms, a one car attached garage and a basement. Residential construction majors taking classes in business, masonry, plumbing, heating and wood products will have the opportunity to practice the skills they have learned in the classroom, while completing lab work at the house.

All the copper-line dormitory phones on the Morrisville campus have been replaced by 1,750 Nextel Cell phones which were handed out to incoming residential freshmen. The replacement was part of President Ray Cross's move towards a wireless, digitally connected campus.

Dr. Charles Blaas, Morrisville's Provost, and Vice-President of Academic Affairs, retired in August after 22 years at the college. Charles' interim successor is James Van Riper, the Morrisville's Dean of the School of Agriculture and Natural Resources.

Christine Cring, has been appointed as the Dean of Morrisville's School of Science and

Technology. Christine has been at Morrisville for 22 years and was previously the Director of the Morrisville's Teaching and Educational Technology Center, and the Coordinator for Distance Learning. The interim dean of the school, Patricia Elko, has returned to the classroom as a member of Morrisville's Math Department.

### **Nassau Community College News**

Kathleen Gallagher

The Civil Engineering Technology Dept. is trying to upgrade its hydraulic Tinius-Olsen Testing machines from load dial to computer readout. The upgrade will cost a small fortune, over \$30,000 for each machine. Have any of you obtained grant monies or other type of funding to either upgrade these machines or buy new? Give Kathleen Gallagher a call at 516-572-7639 or email me at [gallagk@ncc.edu](mailto:gallagk@ncc.edu). We are also intending to change our curriculum to offer Blueprint Reading for freshman in lieu of Graphics and to offer a Soils and Foundations course with a concrete design component in lieu of our reinforced concrete design course. These changes are subject to review and approval by our self-governance structure at the college. It is hoped they will take effect in the Fall 2005.

Our Spring 2004 NYSETA Scholarship recipient Eric Paulson is heading off to Cooper Union in the Fall. We wish him luck.

Stonybrook (CSEMS Project) in partnership with Nassau and Suffolk Community College won a grant that will provide scholarship funds for engineering minority students to study at NCC!



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## **NYC College of Technology**

Elliot Colchamiro

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### **Elliot Colchamiro to Retire!**

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Elliot Colchamiro has announced his retirement after 35 years at City Tech. For the past 15 years Elliot served as department chairman for the department of Construction/Civil Engineering Technology. He served as ETA secretary and newsletter editor for the past 30 years, stepping down from the ETA executive committee last spring. He gave up his role as department chairman last May 1st, to allow for a smooth transition to his successor, Tony Cioffi. Elliot is very proud of the fact that Tony was his student. In fact, Elliot says that he takes great satisfaction in knowing that three members of the department staff (Professors Camastro, Cioffi and Mr. Santiago) studied under him. For the fall '04 semester Elliot will be on terminal leave, which will make him available to teach one course as well as participate in the department's DOT contract JUMP program. So, Elliot will be around for quite a while.

### **New Chair of Department of Construction/Civil Engineering Technology**

Effective May 1, 2004, Anthony Cioffi P.E. has taken over as chairman of the Department of Construction/Civil Engineering Technology at City Tech. Tony, a graduate of NYC Community College (the former City Tech) continued his education earning his bachelors degree in civil engineering as well as his master's degree (while working as a civil engineer) from Manhattan College. During this time he earned his license as well. Now licensed in two states, Professor Cioffi, in addition to being a geotechnical engineer has significant

expertise in modular housing. He did an ETA presentation on the subject of modular housing in 2001.

An active member of the NYSETA, Tony was the ETA conference chairman and keynote speaker for the fall 2003 conference. He gave a dynamic presentation on project ExCEED, the ASCE initiative to train engineering faculty to be better teachers. His teaching experience began when he was an adjunct at City Tech. He said that switching from part time to full time status was natural for him. His teaching excellence was recognized by ExCEED, when in 2003 he participated on the staff at their summer session in Arkansas.

### **New Dean of Technology and Design -**

Effective Spring 2004 the new Dean of The School of Technology and Design is Dr. Robin Bargar. Reporting to him are nine departments, representing 28 degrees and certificates, including 8 bachelor degree programs.

### **New President of NYC College of Technology**

Effective Fall 2004, the new President of City Tech is Dr. Russell K. Hotzler In his most recent position he served as CUNY Vice Chancellor for Academic Program Planning. Prior to that, he held the position of Interim President at both York and Queens Colleges, guiding those institutions through periods of administrative transition and restructuring.

Dr. Hotzler joined The City University of New York in 1971 as a faculty member at Queensborough Community College, where he taught and served as Vice President for Academic Affairs before joining CUNY's central administration in 1996 as University Dean for Academic Affairs. His university-wide responsibilities have included oversight of academic program initiatives and liaison to the State Education Department and Middle States



### NYC College of Technology – continued

Association of Colleges and Schools, coordination of CUNY's teacher education initiatives and liaison to the New York City Board of Education in matters of teacher education and development of new performance standards for K-12 mathematics and science instruction. He currently serves as chair of the New York State Regents Advisory Committee on Accreditation.

His other experiences include working with the Hospital for Special Surgery's Bio-Engineering Department, where he studied metal-tissue interactions and wear characteristics of metal implants, and serving as a National Aeronautics & Space Administration research fellow studying the microstructure and characteristics of oxide-dispersion strengthened alloys at the NASA Research Center in Ohio.

Dr. Hotzler is recipient of an American Society for Metals Education Award in recognition of his contributions to the teaching of science and was elected to the board of the society's National Education Committee. He has been active in numerous professional organizations, including the American Society for Engineering Education, the American Society for Metals, the American Society for Testing and Materials, and Sigma Xi. **Dr. Hotzler includes membership in the ETA in his curriculum vitae.**

A native New Yorker, Dr. Hotzler holds BS and MS degrees in metallurgical engineering and a PhD in physical metallurgy from Polytechnic University in Brooklyn, where he also served as a member of the faculty in the Department of Physical and Engineering Metallurgy.

### Niagara Community College

Professor Marguerite Newton at Niagara County Community College has received HP's 2004 Diversity in Engineering Grant Initiative with MESA (Mathematics, Engineering and Science Achievement) a program model developed by the University of California to develop cutting-edge approaches to help students succeed in engineering, math and science programs.

Niagara County Community College was selected as one of 6 colleges outside of California to receive this year's award.

### SUNY Institute of Technology, Utica, NY

Jayne Baran

SUNYIT has a new interim president, effective June 22, 2004. Dr. Peter Spina has more than thirty years experience working within the State University System. He worked at Suffolk Community College and served as president of Monroe Community College. He served as the founding executive director of the Institute for Community College Development at Cornell University. Most recently he has been serving as interim president at Thomas Nelson Community College in Virginia.

SUNYIT also has a new vice president of academic affairs. Dr. Kenneth Kraft previously served as associate dean of academic affairs and a professor of management in the School of Business & Entrepreneurship at Nova Southeastern University in Ft. Lauderdale, Fla. He earned bachelor's, master's, and doctoral degrees in business at the University of Maryland.

On the student side, SUNYIT hosted a "Brownfields to Greenspaces" summer camp June 28-July 2, 2004 for 16-18 year olds from nearby local schools. Fleet Bank provided funds



**SUNY Institute of Technology** - continued

for the technical camp. Students were introduced to a diversity of brownfield subjects, from remediation to CAD to business aspects. Participants included Shumaker Engineering, Par Technology, Small Business Development Center, Niagara Mohawk, and the City of Utica.

**Technical Career Institutes (TCI)** - New York City, Jerome Zornesky

TCI has reduced its 5 semester EET program to 4 semesters. This is expected to attract more students to our EET program since the 5 semester requirement has always been a source of complaints by entering students. We are also, for the first time, allowing students who don't make the math cut scores on the first try to take developmental math with the understanding this will mean one extra semester.

TCI has also revamped our CST program. The revisions were completed in time for our 2004-2005 catalog but not in time to start it in the Fall 2004 semester. We are shooting for the Spring 2005 semester as a starting date. Our overall enrollment is slightly up from this time last year but well below capacity.

**Alfred State College**

Edward G. Tezak

The big news at Alfred State in the ET arena is that Doug Barber has left the Dean's job at its School of Management and Engineering. Doug will be taking 6 months off before coming back to join the faculty in the classroom. An unsuccessful search was terminated this spring and a national search will be reinitiated in the fall. Meanwhile, Chuck Neal will be acting as the Interim Dean of the School of Management and Information Technology. Carol Stewart will serve as the Interim Assistant Dean.

**In Memoriam**



**DR. CARLOS HENRIQUE VERNÓN**

Dr. Carlos Vernón, 65, an Assistant Academic Dean at Erie Community College, and active NYSETA member, passed away after a brief illness at Hospice on Saturday, March 8, 2003.

Born in Colón, Republic of Panama, Dr. Vernón left his homeland to pursue a degree in Mathematics at Xavier University. He later received a Master's Degree in Mathematics at Atlanta University. He moved to Buffalo, New York and received an Ed.D. in Mathematics (1979) at the State University of New York at Buffalo. Dr. Vernón received a number of academic awards including the General Motors and National Science Foundation Fellowship awards.

During this career, he taught mathematics at Xavier University, the University of Oklahoma, the State University of New York at Fredonia and the State University of New York at Buffalo, where he was also the Executive Director and Administrator of the Cora P. Maloney College (1976-1979). He then went to work for the Bethlehem Steel Corporation in the Industrial Engineering Department. Since 1984, Dr. Vernón has been the President and CEO of Computer Dimensions, a computer hardware and



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**Dr. Carlos Vernon, - continued**

software consulting firm. Dr. Vernón became the Assistant Academic Dean for Liberal Arts at Erie Community College in 1988. In 1990, he became the Assistant Academic Dean for Technologies at ECC.

As a young man, Dr. Vernón was an internationally recognized track and field athlete. In 1957 he received the Athlete of the Year award from the Republic of Panama. In 1960 he earned a spot on the Panamanian Olympic Team but declined the opportunity to go to Rome so that he could pursue an academic scholarship in mathematics in the U.S. In 1976, he was honored by the National Athletic Federation of the Republic of Panama as one of the nation's great track athletes. During that year, he also

was the overall Masters Division Champion in Track & Field for the Western New York Amateur Athletic Union.

Dr. Vernón's other awards include: Who's Who in America, Who's Who in American Business Leaders and the United Negro College Fund Meritorious Business Leader of the Year for 1992. Dr. Vernón was on the board of numerous philanthropic organizations, where he passionately sought to enrich the lives of disadvantaged youth. He was also a proud member of Kappa Alpha Psi Fraternity, Inc. He is survived by a son, Antonio Vernón and a daughter, Carla (Jason Bowles) Vernón; his dearest friend, Margaret Niblock and her daughters Megan and Katie; Dr. Cynthia Vernón-Tate; two sisters-in-law and many nieces, nephews and friends.

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**The NYSETA Fall '04 Conference  
at SUNYIT in Utica  
October 21st and 22<sup>nd</sup>,**

**and,**

**The CET Fall '04 Meeting  
at SUNYIT in Utica  
October 21<sup>st</sup>.**

**Visit the Fall '04 Conference Website**

Follow the links to the Conference Website through:

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

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



## 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](mailto:barans@sunyit.edu)

<b>Institution</b>	<b>Institutional Representative</b>
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 Community College.....	James Braazee
Erie Community College North.....	?
Farmingdale, SUNY College of Tech....	Jeff Hartman
Finger Lakes, Community College of the...	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
Morrisville, 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.....	?
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



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**NYSETA Institutional Representatives – continued**

<b>Institution</b>	<b>Institutional Representative</b>
Utica/Rome, SUNY Inst. of Tech. ....	Jayne Baran
Vermont Technical College.....	Ken Vandermark
Westchester Community College .....	?

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**About Our Next Newsletter**

Our Next Newsletter will be distributed the last week of January 2005. Articles received prior to January 20<sup>th</sup>, 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](mailto:Loudismj@morrisville.edu)

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

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

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

Thanks,  
Mike Loudis