

## CCSU Receives Substantial Gift From Private Donor Anthony Bichum

### Largest Single Gift From An Individual Donor In The University's 158-year History

Central Connecticut State University announced a substantial endowment gift from Mr. Anthony Bichum, a lifelong New Britain resident. The gift, made up of a combination of cash and estate funds, is expected to be the largest ever awarded by an individual donor to CCSU, Connecticut's oldest publicly supported institution of higher education. The funds will be used to establish the Anthony and Helen G. Bichum Scholarship Fund, named in honor of Bichum and his late wife, Helen Girovsky Bichum, who passed away in 1984. The fund will provide scholarships for full-time undergraduate and graduate students in the CCSU School of Engineering and Technology.

In presenting the gift, Bichum said, "As a son of Russian immigrants, I came from a family that didn't promote education. I left school early and worked hard as a tool and die maker. I've had a good life and I've done well in the stock market. But I believe highly in education because I never had it. I wish now I had gone to college. If you have an education and you know where you want to go, nothing can stop you. Maybe my giving will inspire others to do the same, because those who benefit from education have an obligation to help those who follow."

In response, Dr. Jack Miller, CCSU's President, stated, "We are most grateful for Mr. Bichum's extraordinary generosity. His gift to CCSU will make it possible for more students to realize their dreams and obtain a quality education at Central. This is a history-making gift that will benefit CCSU students for many years. Speaking on behalf of the University, we are touched by Mr. Bichum's generosity and awed by the legacy it creates."

Dr. Zdzislaw Kremens, Dean of the School of Engineering and Technology at CCSU, added: "We deeply appreciate this very generous gift from Mr. Bichum. The Anthony and Helen G. Bichum Scholarship Fund will enable many qualified students to pursue their dreams in the School of Engineering

and Technology and go on to rewarding careers. We thank Mr. Bichum for all that his amazing support will make possible."

Bichum, the son of Russian immigrants and a lifelong New Britain resident, never attended college; his formal education ended before he reached high school. At about age 13, he started taking on various jobs, first as a shoeshine boy at Putnam and Company, a local brokerage firm; then working in the tobacco fields; then sweeping and paving roads as a public works employee for the City of New Britain. Later Bichum attended trade school and became a tool and die maker. He was employed at Skinner Chuck Company (which later became a subsidiary of Honeywell, Inc.) for 25 years, as well as at other local toolmakers. Bichum served in the U.S. Army in Europe during World War II until he sustained a chest injury that led to an early discharge. He began investing in the stock market when he was 18, combining his own ingenuity with what he learned from his time at Putnam and Company. In more recent years, Bichum has visited Russia on four different occasions and has traveled extensively in Europe and the United States.

Bichum was honored at a special luncheon held on March 13, 2008 at CCSU. In addition, a laboratory in the CCSU School of Engineering and Technology has been dedicated to the Bichums to commemorate their generosity.



Dr. Jack Miller, CCSU President and Mr. Anthony Bichum • New Britain, CT, March 13, 2008

## NEW NAME for OUR SCHOOL

### The School of Technology renamed to The School of Engineering and Technology

The School of Technology at Central Connecticut State University was established by the Board of Trustees for the Connecticut State University System on October 1, 1976. The School used to offer programs in vocational, technical and industrial areas, and the vision, mission and programs of the School have naturally evolved to respond to the demands of an increasingly technology based economy and society. The School currently prepares students to meet dynamic technological and scientific challenges as leaders and members of engineering, technical, management, research, biomedical, and educational teams. In recognition of its evolving mission the Board of Trustees for the Connecticut State University System authorized, on July 27, 2007, renaming the School of Technology as the School of Engineering and Technology at Central Connecticut State University.



## DEANS' CORNER

Dr. Zdzislaw B.  
**KREMENS**

This year marked an important milestone in the history of our school. On July 27, 2007 the Board of Trustees of the Connecticut State University System adopted a resolution renaming the School of Technology to the School of Engineering and Technology. The name change is not merely a new label for the same “product” but a better description of our evolving academic programs and the School’s mission. We still offer the valuable academic

programs in technology and engineering technology that have formed the core of our programs since the School was established in 1976 as the only school of technology in the CSU System. Adding to that core, the mechanical engineering program and perhaps other new programs under consideration is, I believe, the best strategy for a regional school which must serve a diverse population of traditional and non-traditional students. We provide educational opportunities for many students who bring various sets of skills and interests ranging from engineering design and applied engineering, through teacher education and bio-sciences, to technology management. The various academic options combined with the quality of accredited programs delivered by excellent faculty at the lowest tuition in the state makes the School of Engineering and Technology clearly the best choice for prospective students.

Reaching this milestone required the hard and excellent work of many generations of our faculty, who built this school over four decades. They deserve special recognition and our appreciation, because we were able to build upon their successes and continue our shared mission of building the school of our dreams, one that directly responds to vital workforce needs in technical fields, and whose graduates are in high demand and live in and enrich Connecticut. We enter the next stage of our school’s development with confidence and pride in our accomplishments.

At CCSU, we strive to make our programs accessible to the highly diverse population of Connecticut. We work closely with secondary schools to encourage students to enter technological fields of study. We also maintain flexible articulation agreements with community colleges. But we face serious challenges. Although we offer the lowest tuition among four-year institutions in the state, the majority of our students need to work to pay for their education. Nation-wide only 15% of high school graduates are prepared enough to enter engineering programs, while over one third need remedial courses. Our main challenges in the years ahead will be recruitment and retention of Connecticut’s talented students. To meet these challenges, I am pleased to announce, a new and extraordinary gift given to the University by Anthony Bichum. The largest gift ever from a private person in the history of CCSU, the Helen and Anthony Bichum Scholarship for prospective and current students of the School of Engineering and Technology will provide needed support for students, enabling them to realize their dreams and enrich the state with their creativity and expertise. I am much moved by and immensely grateful to Mr. Bichum’s visionary generosity. It makes things possible for the students of our state, and for that we thank him with our deepest gratitude.



### Julie Feeney Appointed New Development Officer for Expanded Fundraising Efforts in The School of Engineering and Technology

The ability to establish and develop sustainable and mutually beneficial relationships with a wide array of people including our passionate

alumni and friends is critical to the University as it advances its educational mission. To strengthen that engagement, the University has recently brought on board five development officers, one to represent each school. The plan is to involve the campus community and establish a fundraising culture.

The School of Engineering and Technology is pleased to welcome **Julie Feeney** as its new development officer. Julie comes to CCSU from The Hartford Financial Services Group. A graduate of Syracuse University, Feeney will work with the School in reaching out to alumni and corporations to support Engineering and Technology’s mission. We are pleased to welcome Julie to our School and look forward to working with her.

### The School of Engineering and Technology’s 2007 Outstanding Alumnus



**Walter Lehner** received his Bachelor’s degree in Industrial Technology in 1981 and a Master’s degree in Industrial Technical Management in 1984. He also received Post Graduate study from the Graduate School of Business at Fairfield University in 1985. Walter worked as an Assistant Project Manager for Bottone-Riordan, Inc. from 1984 to 1988. In this capacity, he assisted the company president in managing

commercial, condominium, and low-income apartment complexes including design-build “turnkey” projects with annual volume of six million dollars. Walter left this position in 1988 and worked for three construction companies as a Project Manager and as a Vice President. He is currently the Director of Operations for Gar-San Corporation.

Walter is a Certified Professional Constructor (CPC) and a Certified Professional Estimator (CPE). Very few people in the construction community possess both of these prestigious certifications.

Walter has also been an adjunct faculty member for the Construction Management program since 1993 and has taught several courses within the department of Manufacturing and Construction Management.

He has provided service to many Construction Associations over the years by serving as an officer as well as providing training. He has also published articles on construction management.

In recommending Walter, Dr. Raymond Perreault, professor of Manufacturing and Construction Management wrote “I have known Walter for 18 years and he is heads and shoulders above the rest. Walter is a major player in the construction community and respected by all and it is for all of these reasons that we recommend Walter Lehner for the Outstanding Alumni award.”

Walter is affiliated with several professional organizations. His interest is in Boys Youth Soccer and has also run the New York Marathon.

## New Faculty



**Dr. Betsy Dobbs-McAuliffe** joined the Biomolecular Sciences Department in the Fall of 2007. Dr. Dobbs-McAuliffe is a developmental biologist who studies the embryonic development of muscle, using zebrafish as a model system. She received a B.S. in Biology from Gettysburg College and a Ph.D. in Cell Biology from Duke University. Most recently Dr. Dobbs-McAuliffe held a research position in the laboratory of Dr. Stephen H. Devoto at

Wesleyan University. Returning to Connecticut is a homecoming for Dr. Dobbs-McAuliffe as she is a native of Middletown, Connecticut.



**Dr. E. Daniel Kirby** joined the Department of Manufacturing & Construction Management in the Fall 2007 semester, and has been teaching courses in materials, manufacturing processes, and tool design. Dan previously taught for three years as an adjunct instructor at Iowa State University in the areas of CAM, CNC, materials, manufacturing processes, total quality improvement, and construction safety. He received his PhD in Industrial Education and

Technology at Iowa State University. Prior to that, he lived in central California, where he received his B.S. and M.S. degrees in Industrial Technology at California State University, Fresno. He gained industry experience working as an industrial engineer at a large vending machine manufacturer, and then as a materials and processes engineer at an aerospace supplier which manufactures pressure transducers. His research interests include efficient optimization and DOE techniques and Adaptive Control of CNC machine tools. Dan has authored or co-authored 10 journal articles in these areas to date.



**Dr. Mamoon Hammad** joins the Manufacturing & Construction Engineering Department at CCSU after a long career in education and the construction industry. Dr. Hammad was a professor of Project Management with The George Washington University between 2001 and 2007, and before that he worked for 12 years with both North American as well as International Construction contractors and governments on a variety of infrastructure as well as

heavy civil and building projects. Dr. Hammad earned his PhD (2001) and Masters(1995) in Building & Civil Engineering from Concordia University, Montreal, Canada. He earned his Bachelor in Civil Engineering-Structures (1988) from Yarmouk University, Jordan.

Currently at CCSU, Dr. Hammad continues to teach, research and consult in the Construction Management areas. His areas of expertise, IT in Construction Management, Project Control, Planning & Scheduling, Cost Control, and Monitoring & Tracking of operations.



**Dr. Viatcheslav Naoumov** graduated from Kazan Aviation Institute (now Kazan State Technical University), a renowned institution ranked among the top 15 Russian Technical Universities. He was affiliated with the Kazan State Technical University (KSTU) as a Professor and Head of the Department of Engines until 2004.

During the past 20 years, Dr. Naoumov has been involved in investigation, optimization and improvement of operating

performances of rocket and aircraft propulsion systems and other high-temperature installations. His research activities focus in the areas of numerical simulation of aerothermochemistry for combustion in rocket and aircraft propulsion and other power generation systems. Specific expertise has been concentrated in the development of unique mathematical models and computer codes which can predict the chemical non-equilibrium (chemical kinetic) composition of combustion products.

His expertise has been contracted numerous times by Russian enterprises belonging to the Russian Space Agency "ROSAVIAKOSMOS", by the French Aerospace Research Center (ONERA) and the Swedish research firm MECCEL AB that works for SAAB in the area of combustion and ionization in internal combustion engines. Mathematical models developed by Dr. Naoumov were applied to the improvement of operating performance of several Russian rockets, including the well known booster "Zenith" and Russian Space Shuttle "Buran-Energia", as well as, to enhancing the propellant management systems of French rocketry.

During 2001-2007, Dr. Naoumov was affiliated with the University of Tennessee Department of Mechanical, Aerospace and Biomedical Engineering as a Visiting Professor. He taught a variety of upper division undergraduate and graduate classes in Aerospace and Mechanical Engineering and performed research within the framework of Department of Energy and Department of Defense Grants. There, he also initiated two student projects based on NASA programs: NASA Reduced Gravity Students Flight Opportunities Program, sponsored by NASA Johnson Space Center; and The Great Moonbuggy Race Project, sponsored by NASA Marshall Space Flight Center, where his teams took 2nd Place in 2003 and 3rd Place in 2006 from among all the university teams across the U.S.

Viatcheslav will primarily serve the Aerospace Specialization within the Mechanical Engineering Program and has already established himself within the School of Engineering and Technology through grants, papers, presentations, and student projects in support of his responsibility.



### Cheryl L. Watson Recognized at the 4th Annual Women of Innovation Awards

The Connecticut Technology Council, during the Fourth Annual 2008 Innovation Leadership Awards Dinner on January 30, 2008, recognized women in Connecticut for their efforts in the technology, science, and engineering fields. **Dr. Cheryl L. Watson**, Professor of Biomolecular Science, was recognized as one of the 2008 finalists in the category of Academic Innovations and Leadership. "The finalists are women who exhibit the extraordinary energy that powers a company or institution. They are hard working, entrepreneurial, and inspirational to others and motivated to excel", said the Connecticut Technology Council. Dr. Watson attended the dinner with three of her current research collaborators, undergraduates Katelynn Ferranti, Jonatha Bates, and graduate student Maryann Mihalyo.

During the Spring 2007 semester faculty in the Departments of Engineering, Manufacturing and Construction Management, and Technology and Engineering Education worked on proposals to continue the renovation of the facilities and laboratories on the first floor of Copernicus Hall. Through many long hours of planning and collaboration with Facilities Management, the renovations began to take shape by the end of the semester with work beginning and continuing during the summer months. At a total cost of over \$400,000, projects that involved the northeast and southwest corners of the building were completed. In the NC 145 area, a Projects laboratory, a Modeling and Simulations laboratory, a Plastics and Composites laboratory, a Metrology laboratory, and a more streamlined material processing laboratory were created from existing space. Windows opening onto the corridor from several of the labs provide an open, work friendly environment. In the NC 118 area a new Automation and Control Systems laboratory was created and renovation to some of the existing laboratories provided dropdown ceilings. Offices for the technicians



## Laboratory and Facilities Renovations In The School of Engineering and Technology



were included in the renovations of both the northeast and southwest corners. In addition a project to replace the hallway lockers with sit down benches and display cases was begun and partially completed. This project will be revisited this summer as well as further renovations in the back of NC 118. Jim Grupp, Coordinator of Capital Projects and Facilities Planning, was instrumental in coordinating the projects.

## CBIA Fellowships in Biomolecular Sciences Support 8 students' Independent Research

In November, 2007, 8 students in the Biomolecular Sciences department each received a \$2,250 fellowship to support their research efforts at CCSU with funds made possible by CBIA, the Connecticut Business & Industry Association, the state's largest business organization.

Fellowship recipients were chosen for their academic abilities and their interest in pursuing careers involving laboratory research. Each student worked on a different project sponsored by one of the 8 faculty in the Biomolecular Sciences department, with research topics ranging from antibiotic discovery to zebra fish development. The students worked intensively on their projects over the winter break, and will make formal presentations of their completed work at the end of the spring semester.

"This fellowship opportunity expands our department's ability



to provide research training for Connecticut residents, helping us to respond to the legislature's desire to keep the bioscience and pharmaceutical industries here—and attract even more—by growing a trained workforce in Connecticut"; said **Dr. Thomas R. King**, department chair.

"These eight new CBIA fellowships allow our faculty to better prepare biomolecular science majors for positions in Connecticut's biotechnology companies. We're very excited by this opportunity," said **Dr. Kathy A. Martin-Troy**, professor of biomolecular sciences and director of the Biotechnology Institute at CCSU. The Biotechnology Institute, through contributions from alumni and area biotech industries, also supports student research in Biomolecular Sciences by providing small student stipends, but usually the B.I. can fund only 3 - 4 students each year.

**Judith Resnick**, CBIA director of workforce development and training, and deputy director of the association's Education Foundation, said, "This partnership with Central underscores the importance of the business community working with our state universities to maintain Connecticut's world-class workforce. This fellowship program is designed to help keep Connecticut's brightest students in state and should allow companies to hire the highly educated and trained workers needed to remain competitive in the growing biotechnology industry." This fellowship program was made possible through a U.S. Department of Labor H-1B grant administered by CBIA. This is the second grant that CBIA has provided to research students in Biomolecular Sciences in recent months. Twelve students also received fellowships of \$5,000 each to support their independent research during the 2006-2007 academic year.

The eight CBIA/CCSU fellowship recipients are shown in Biomolecular Sciences' microbiology laboratory: *clockwise from front left*: Ashlee Gonzales, Robin Jurczyk, Jerry Jean-Louis, David Slomski, Kathryn Neely, Clint DePaolo, David Magnan, and Eric Stimac. (Photo by Dr. Mike Davis)

## The School of Engineering & Technology Nurtures and Supports Its students

The beginning of a successful academic career for both freshmen and transfer students is rooted in a longstanding tradition of providing adequate academic advising as well as financial support in the School of Engineering and Technology.

In the School of Engineering and Technology, advising forms an integral part of the services faculty provides to students. We believe that when students know their curricula, their advisors, and the various other requirements for graduation, they are better informed to take classes that will enrich them and contribute meaningfully to their future career expectations. There are several other university requirements that are pertinent to success that students may not be aware of and can best be provided by the advisor. Examples of such include questions about maximum credit load, when to drop classes versus when to withdraw from classes and what the minimum grade requirement for a course is.

All curriculum sheets with maps showing progression through sequencing of courses are housed on the School of Engineering and Technology's website. Additionally, our current and future course offerings are accessible through our website. Students can monitor their progress by running a degree evaluation via the university's CentralPipeline's program.

The Dean's office doors are open to prospective and continuing students for consultation and advising. In fulfilling this critical role of advising, all students are assigned to an academic advisor in their various disciplines right from enrollment at the university. Students are encouraged to meet with advisors regularly to seek guidance academically as well as career wise. Advisors have experiences in their areas of disciplines that may help in nurturing the students over the

years of their education. Several advisors also direct clubs which offer educational experience beyond the classroom and students are strongly encouraged to be part of these clubs.

The School also boasts of several scholarships that are awarded to incoming as well as continuing students. The Helen and Anthony Bichum scholarship provides up to \$3,514.00 for tuition to 9 incoming freshmen as well as funds for continuing students, and the Dean's scholarship provides up to \$2000.00 in unrestricted funds to 20 incoming freshmen. The Foundation scholarship is awarded primarily to continuous students. These awards vary in monetary value from between \$200.00 to \$5,000.00. These scholarships are donated by industries, faculty emeriti, friends, and alumni. The future remains bright for external support for our students as we entertain interests from time from friends of the university to specifically donate money to the School of Engineering and Technology.

These monies have gone a long way to help students reduce the amount of time they have to invest in working to earn income to support their education. When a student does not have to worry about funding for education, the stress that is associated with such will be ameliorated and the devotion to work and attention to details cannot be underestimated.

The School also seeks to find funding through grant writing to enable us recruit underrepresented students in engineering and technology. **Dr. Olusegun Odesina** is the Associate Dean for Academic and Student Affairs and can be reached at (860) 832-1800.

## Technology Education Students and Faculty Continue Tradition of Excellence In The Classroom and Beyond

The Technology & Engineering Education Department continues a long tradition of providing Connecticut with technology educators who are well prepared to take their place along side the teaching professionals in the public schools of the State and beyond. Manual Training classes were first offered at the New Britain Normal School in 1884 and we continue that tradition today with a dynamic program.

Faculty members of the department continue to provide leadership roles at the state and national levels

for technology education. **Dr. Pat Foster** and **Dr. Michele Dischino** have recently made professional presentations to the Association for Science Teacher Education in St. Louis. Their work is bringing technology and engineering education topics to the group helped establish the importance of the relationship between science and technology. Their work with concepts appropriate to elementary students as well as secondary has provided teachers with new tools to help build stronger science and technology programs.

**Drs. DeLaura, Dischino, Foster, Sianez** and **Vincenti** are working on a funded program to bring Science Technology Engineering and Mathematics (STEM) after school programs to selected schools in Connecticut. The development of curriculum for this area will enhance current and future school programs as more young people become connected to these STEM activities. One of the goals of the after school program is to reach students in an informal setting who may not have had the opportunity to participate in applied STEM activities in their regular classes.

Dr. Sianez continues his work with Central as they design and build their Human Powered Vehicle. The student group is planning to enter their vehicle later this year in the national competition held in Nevada.

The Department Faculty and Students continue to provide a leadership role in Connecticut with the many outreach activities help on and off the Central campus each year. The 1st LEGO competition held in December continues to be a popular event drawing over 400 students and 2000 spectators to this very exciting event. Twice a year, the technology education students and faculty sponsor and run the Electrathon Electric Vehicle competition held at Lime Rock Park. The event held in the fall and spring draws more than 30 entries from throughout the Northeast. Our students coordinate all race activities including registration, driver testing, vehicle inspection as well as running the race, tabulating the results and making the awards. The most recent winning vehicle from Nathan Hale-Ray High School in East Haddam was on display at the MasterCam booth at the ITEA Convention held in Salt Lake City.

Central Technology & Engineering Education Students continue to be very active at regional and state levels as they



enter competitive events at Technology Education Collegiate Association – East conference help yearly in Virginia Beach. Our students compete along with students from twelve college and universities from throughout the north and southeast regions, and consistently place 1st, 2nd, or 3rd, in the many events help over three days. Twelve students recently returned from the International Technology Education Association conference held in Salt Lake City where they entered several competitive events with schools from across the country.

The revision of the undergraduate program and renaming of the department and program to Technology and Engineering Education K-12 provides our students with the professional skills that will allow them to provide leadership roles in the Connecticut schools in the 21st Century. CCSU students are being prepared to engage their students in STEM, Engineering by Design, Project Lead the Way, as well as in traditional Technology Education activities.

### What's Next?

The undergraduate program will continue to be refined to meet the demands of state and national program goals. We are in the process of developing an enhanced recruitment program in an effort to attract additional students to our teacher certification program. We have graduated 20 students per year for the past five years and are seeking to increase that number as more of the current teacher workforce becomes eligible to retire. We have an active post-baccalaureate certification program and have developed a Pathways Program with the community colleges of Connecticut to enable easy transfer into our teacher preparation program.

As we prepare for the 75th Connecticut Technology Education Association conference to be held on campus in May, we continue to look to the current teachers in the field to be our main recruiters to our program.

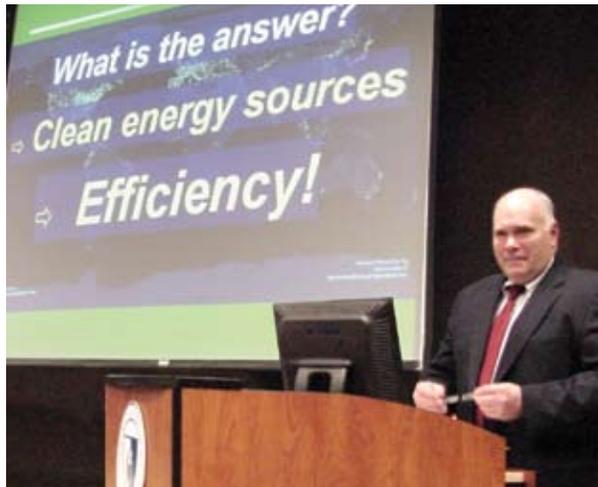
The departments' close affiliation with the other departments in the School of Engineering and Technology, provides us with the opportunity to share courses and resources within the School to strengthen our program. The department receives outstanding administrative and financial support from CCSU.

## FuelCell Energy's Vice President Keynotes Central Connecticut State University National Engineers Week Celebration

Each year the Engineering Department together with the student chapters of the American Society of Civil Engineers (ASCE), the American Society of Mechanical Engineers (ASME), and the Society of Manufacturing Engineers (SME), recognizes National Engineers Week with interesting presentations by industry representatives, faculty and students.

This year's activities spanned the evenings of February 19th and 20th and were highlighted with a keynote address by **Joel D. Doyan**, Vice President of Government Programs at FuelCell Energy Inc. entitled, "*Changes in Electric Power Energy – Past, Present and Future.*" Mr. Doyan (shown) has been involved in high temperature fuel cell development for power generation for 29 years. His experiences have spanned research, development, manufacture, and engineering and government R & D Management. Mr. Doyan is responsible for overseeing his company's involvement as an industrial team member in the Department of Energy's (DOE) Solid State Energy Conversion Alliance (SECA) that is promoting environmentally friendly, energy efficient, and cost competitive solid oxide fuel cells for various power needs. Mr. Doyan in his presentation reviewed current electric power generation and delivery and indicated the anticipated challenges and future direction.

Participants were also graced by presentations of: Frank Lahey, Professor (retired) at University of Hartford, on "*Formula SAE Collegiate Design, Fabrication, and Competition*"; Dorairaja Raghu, Professor at New Jersey Institute of Technology, on "*Challenges in Foundation Design and Construction*"; Stephan Bundschu, Director of Engineering at Trumpf Inc., on "*Trumpf USA Engineering Sheet Metal Fabrication Machinery Development*"; Bob Zombik, Senior Mechanical Engineer at Alstom Power, on "*Engineering Opportunities at Alstom Technical Services*"; Luke Ionno, Mechanical Engineering student at Central Connecticut State University, on "*Aircraft Development Design and Operation*"; Viatcheslav Naoumov, Associate Professor at Central Connecticut State University, on "*Aerospace Projects at Central*"; and Kenneth Thomas, Project Engineer at Hamilton-Sundstrand, on "*Connecticut Contributions to Space.*"



## Construction Management Highlights

On **November 9-11, 2007**, eighteen CCSU Construction Management students participated in the Associated Schools of Construction Region 1 Construction Management Student Competition in Fairfield, New Jersey. Six member student teams competed in the Design/Build, Heavy/Highway and Commercial Building competitions.

On **February 13, 2008**, the American Society of Professional Estimators held its monthly meeting on the CCSU campus in the Connecticut Room in Memorial Hall. The chairman of the National Certification Committee discussed the procedure for becoming a Certified Professional Estimator.

On **March 6, 2008**, the Construction Student Club hosted the Construction Career Expo in the Alumni Hall in the Student Center. More than 30 construction companies will be participating in this annual event.

On **March 29, 2008**, the American Institute of Constructors will be giving the Associate Professional Constructor examination to construction management students and practitioners. This exam is a requirement for graduation and it is offered in the fall and spring semesters.

On **April 14, 2008**, the Connecticut Concrete Promotion Council will be conducting a one day workshop on the subject of Pervious Concrete in the Constitution Room in Memorial Hall. CCSU students and faculty have been invited to participate in this event.

The Construction Management faculty will be hosting the Dr. Stuart Bennett Alumni Awards dinner on **April 30, 2008** in the Constitution Room in Memorial Hall. Details of this event can be found at the School of Engineering and Technology's website [www.set.ccsu.edu](http://www.set.ccsu.edu).

## Manufacturing & Construction Management Teams with ITBD, DPW

The Manufacturing and Construction Management Department teamed up with ITBD to provide project management training for 30 of DPW's project management personnel. The training was conducted in two parts. In the first part, MFCM spent 8 sessions covering construction management fundamentals, leading to DPW personnel taking the AIC Associate and Certified Professional Constructor exams. Then ITBD provided the second part with 4 lessons in leadership and management. The MFCM teaching team was headed by **Dr. Kovel** and included **Drs. Perreault, Sarisley and Bennett**. CCSU students have long taken the AIC exam but this was the first time that DPW personnel participated. The collaboration was designed to further enhance the professional stature of the DPW and expose more organizations in the state to the AIC certification process.



## Faculty Professional Activities

### Publications

Paul, E.L., Badal, R., Thompson, D.S., Magnan, D.R., Soucy, F.M., Khan, I.M., Haughton, R.A., and King, T.R. (2008) The mouse frizzy mutation (fr) maps between *D7Csu5* and *D7Mit165*. *Experimental Dermatology* 17: doi:10.1111/j.1600-0625.2007.00676.x

Emiliani, R., Standardized Work for Executive Leadership. *Leadership and Organizational Development Journal*, Vol. 29, No. 1, pp. 24-46, 2008.

Emiliani, R., *Practical Lean Leadership: A Strategic Leadership Guide for Executives*, ISBN 978-0-9722591-5-6, January 2008.

Emiliani, R., *REAL Lean: Critical Issues and Opportunities in Lean management*, Volume 2, ISBN 978-0-9722591-4-9, July 2007

### Presentations

Kapper, M.A. and Hoopengardner, B. "Reverse transcription PCR of a

molluscan aquaporin" Society for Integrative and Comparative Biology; January, 2008; San Antonio, TX.

Roberto Padua, R., Jarombek, M., and Davis, M.A. "Isolation and Characterization of Antibacterial Compounds from Soil Microorganisms with Activity Against Mycobacteria" 107th Annual Meeting of the American Society for Microbiology; May, 2007; Toronto, Canada.

Kathryn Neely, Brandon Albright, Margaret Zurowski, and Michael Davis "Development of Bacteriophage therapy for the Skin Disease Acne" 108th Annual Meeting of the American Society for Microbiology; June, 2008; Boston, MA.

Emiliani, R., "Overcoming Executive Resistance to Lean Management", Third Annual Lean Accounting Summit, Orlando, FL, 27 September 2007.

Emiliani, R., "Lean in Higher Education",

Association of Manufacturing Excellence (AME) conference in Chicago, 1 November 2007.

### Grants Awarded

Molecular Assignment for Two Developmental Mutations in the Mouse. NIH AREA Grant; \$210,290; Principle Investigator, Dr. Thomas R. King; July 1, 2007 to June 30, 2010.

### Other Accomplishments

Dr. Martin A. Kapper was named on the CCSU Excellence in Teaching Award Honor Roll, 2007.

Dr. James P. Mulrooney was honored as one of three Finalists in the Excellence in Teaching Award, 2007, competition.

Dr. Cheryl L. Watson was honored as a Finalist in the area of Academic Innovation and Leadership by the Connecticut Technology Council at its 4th Annual Innovation Leadership Awards Dinner on January 30, 2008.



## SCHOOL OF ENGINEERING & TECHNOLOGY NEWSLETTER CENTRAL CONNECTICUT STATE UNIVERSITY INFOTECH

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CCSU is a university of the Connecticut State University system and an AA/EQ institution.

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