

# TECS CONNECTS

News and Notes from the College of Technology and Computer Science

SPRING 2010

**TECS NEWS**

## Caterpillar and Gregory Poole Visits TECS

On Thursday, April 8, the administrative team of Caterpillar Inc. and Gregory Poole made a visit to the College of Technology and Computer Science (TECS) campus for an update on how their previous donations have been put to use educating students. The Office of the Dean, TECS Advancement office, and the Department of Construction Management hosted.

While on campus, both teams were treated to various sites to highlight how their contributions have made a difference to ECU, our students, and our college. First stop was the High-bay Lab where they greeted faculty and students and was given a tour of the construction facilities in Rawl 233. After the meet and greet, Caterpillar and Poole took a bus tour around the university and the Dowdy-Ficklin Stadium construction site.

The visit also included lunch with Provost Marilyn Sheerer, Dr. Virginia Hardy, Michael Ward, Dr. Taffye Clayton, Mickey Dowdy, and Dean David White. Provost Sheerer provided a comprehensive view on the growth of the university and Dr. Clayton provided details on our campus-wide diversity initiatives. David Watkins, interim chair of construction management, Dean White and his administrative team also provided a presentation that included a timeline of how the college was started as well as an overview of all four programs followed by a question and

answer period.

The day concluded with a ribbon-cutting ceremony at the site of the North Campus Construction Research and Field Teaching Lab. It was here where our guests could see first-hand how their generosity has made a big impact—from monetary gifts to donated CAT equipment.

Interim Department Chair, David Watkins stated, “The Construction Research and Teaching Field Laboratory will allow the faculty to more thoroughly prepare its students to enter today’s market place with the skills and knowledge required to be successful. Additionally, the laboratory will serve the construction industry of eastern North Carolina by providing opportunities for minority contractors, small businesses and non-profit organizations to address training needs in site layout, equipment safety/maintenance related to heavy/infrastructure construction.”

“From the time we arrived, the TECS team were outstanding in

showing what our college and our great university stands for,” says Scott Cooper, marketing manager, Caterpillar Telehandler Group. “We had a great conversation on the way home and I could hear the excitement in everyone’s voices. Everyone mentioned the dedication and care that the faculty displayed towards their students and us as a group. ECU and the College of Technology and Computer Science has something unique...a small college atmosphere at a large state supported university. We heard about your leadership, diversity message and excitement about future efforts as we left Greenville.”

Dean David White stated, “Our overall goal was to give Caterpillar and Gregory Poole an opportunity to see how the many donations they’ve made to the college has had a huge influence on our students and faculty in our construction management department.”



Caterpillar and Gregory Poole team at the Cupola.

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# College of Technology and Computer Science Holds its First-Ever Student and Employer Networking Day

## OVER 250 STUDENTS PARTICIPATE IN EVENT

In this economy, it is tough to find a job, especially for new college graduates. But that didn't stop the College of Technology and Computer Science from holding its first-ever career-networking event in the Murphy Center on March 24 from noon-4.

The goal of the event was to showcase exciting technology and engineering careers through a professional environment. Throughout the day students and employers had the opportunity to engage and talk about positions or internships offered within their companies. Moreover, the event gave the employers a first-hand look at what the College of Technology and Computer Science has to offer -- talented faculty, hard-working students, and top-notch undergraduate and graduate programs.

Dr. Leslie Pagliari, associate dean and organizer of today's event was pleased with the response she received from both students and employers. "We're committed to building and collaborating alliances between our



Associate Dean, Leslie Pagliari with representatives from Nucor.

college, our programs, and the business community," says Pagliari. "In this economy, we're happy with all the positive responses that were received."

According to labor statistics, the unemployment rate in Greenville is hovering at 10.8 percent. Students and employers had personal on-on-

one time to talk and interview for prospective positions. Corporations that participated in today's event were: AAR Corp, ABC Supply Company, Avoca Inc., Best Distributing Company, Brenntag Southeast, Inc., Cisco (CALO), CNA Technology, LLC, Credit Suisse, CWC Development, DSM Pharmaceuticals, Duke Energy, Extreme Networks, FASTENAL, Ferguson Enterprises, Greenville Utilities Commission, Hockmeyer, Hospira, Inc., IzonData Corporation, Johnson Controls, Keihin Carolina System Technology, Inc., NACCO Materials Handling Group, Inc, NAVAIR/FRC, Nucor Steel - Hertford, Old Dominion Freight Lines, Inc., Productivity Enhancement Resources, Inc., RR Donelley, Spatial Integrated Systems, Inc. (SIS), Tencarva Machinery Co., Weather Master Heating & Air Conditioning.

"This event has created a great opportunity to promote our college and programs," says David White, dean of the College of Technology and Computer Science. "Our objective is to make this event even bigger next year."



Student looking over materials from event.





# Message from the Dean

## 2010...A New Direction and Vision

It is with great pride that I write to you as the newly appointed Dean of the College of Computer Science and Technology. What a privilege and sense of pride for me to be named the Dean of a college with such a rich tradition and exciting future. I want to thank all of you as we begin this journey, in making the college a great success. Although there's more to achieve, I'm confident that together as a team, all of our goals will be reached. There are many accomplishments of which we can be proud and as we continue in 2010, we will continue to attain many successes during this year and beyond.

My hope is to continue to work toward our goal as one of the leading schools in eastern North Carolina in Computer Science, Construction Management, Engineering, and Technology Systems. As we undertake the challenges and opportunities before us, I'd like to share several of our future plans.

### A NEW VISION, MISSION, AND STRATEGIC PLAN

To keep us on course, we're in the process of evaluating the college and its programs to result in the

development of a strategic plan and targeted mission statement. My hope is that our initiatives will help shape our vision as we move forward in a new direction.

- We will work to provide accessible, high quality, nationally recognized undergraduate and graduate programs that give our graduates the professional and leadership skills to compete and succeed in the global economy. I am particularly excited about our new Career Development Program that will help support our students in their internships, co-ops, and help prepare them for their future careers.
- We will build on our relationships with industry, business, government, and community partners. We want to really "walk the talk" about being an engaged College. We are particularly interested in contributing to the economic development of eastern North Carolina and the entire state.
- We will increase action research and scholarly productivity and increase funding from grants, contracts, and gifts. We aim to capitalize on



**David White, Dean College of Technology and Computer Science**

our partnerships with industry and business to identify action research opportunities where we can really help solve some of the problems and challenges faced in the "real world." Our College's faculty will bring their diverse skills and expertise together to address these important research problems.

## New Chair of Engineering Named

O. Hayden Griffin, Jr. has been named the new chair of the Department of Engineering in the College of Technology and Computer Science at East Carolina University.

Griffin began his career at the U.S. Naval Weapons Laboratory (currently Naval Surface Warfare Center), in Dahlgren, Virginia. He subsequently held positions at BF Goodrich in Akron, Ohio, Bendix Advanced Technology Center in Columbia, Maryland, the Johns Hopkins University Applied Physics Laboratory in Laurel, Maryland, and he is currently at Virginia Tech in Blacksburg, Virginia.

Dr. Griffin joined the faculty at Virginia Tech in 1985 as an associate professor in the College of Engineering where he is currently



**O. Hayden Griffin, Jr.**

and excited to have the opportunity to participate in the next stages of its development." Griffin said. "In addition to providing excellent educational and career opportunities

serving as professor and head of the department of engineering education.

"I've been aware of the developing Engineering Department at ECU for several years, and I'm very fortunate

for young women and men, the ECU Engineering program has become an engine of economic and workforce development for eastern North Carolina. Engineering is an exciting, creative profession that strives to make the earth a better place for all people, and the graduates of this program are well prepared for that task."

"I'm delighted that Dr. Griffin has decided to join the college. He has a distinguished record in the field of engineering," said David White, dean of the College of Technology and Computer Science. "His leadership will no doubt be a tremendous asset to our engineering program and to the college."

Griffin holds both a bachelor and master degree in mechanical engineering from Texas Tech University and a Ph.D. in engineering mechanics from Virginia Tech.



# From Pepsi to the Department of Defense, Lindsey Crisp '94 and Carver Machine Works keep Industries Going

Next time you pop open a can of Coke or Pepsi, take a look at the ingredients. Do you notice something called “phosphoric acid” listed? Have you ever wondered where it came from and what it is doing in your drink? The simple answer of why it is in your cola is that phosphoric acid offsets sugar to provide a tangy flavor. The complex answer of where it comes from, well, that’s where Lindsey Crisp '94, president and CEO of Carver Machine Works in Washington, NC, and his 67 employees come in to play. Crisp leads a team of skilled engineers, machinists, and welders that fabricate specialty materials used in the machines that keep industries going; including mining phosphate ore that is refined into phosphoric acid for your carbonated beverage enjoyment.

Crisp grew up in Greenville, NC and knew at a young age that he wanted to attend East Carolina. He is a lifelong Pirates fan and couldn’t see himself going anywhere else. Crisp refers to himself as a “typical eastern North Carolina guy” who loved being outside, going camping, and being on the river. He was active in scouting and earned the rank of Eagle Scout. His dad owns a small business Exsel Industries in town and his mom was a teacher who received her master’s from ECU. “We’re all big ECU fans,” said Crisp, “including my wife Marybeth '96, who got her master’s from ECU, and my children Allen and Libby.”

When he was a student at ECU, Crisp took on a rigorous accounting curriculum and was very active in the College of Business. He also spent a lot of time outside of the classroom getting experience in the business world and earning his spending money. “I was fortunate that my parents were able to put me through school, but any extracurricular activities that I wanted to do I had to pay for myself. I worked a couple of different jobs while in college—for a CPA, at a bank, for a collections agency, S&K Menswear in the mall. You know, I was trying to get a business degree so I thought it was important to get relevant business experience. The time I spent with Online Information Services (the collections agency) was probably some of the best experience in learning how to communicate with people; those jobs were important. As I look back on college I was either in class, working, or hanging out with friends and attending athletics events.”

Since Crisp grew up around a small business, he was comfortable working in that type of environment and appreciated what small businesses had to offer their employees, their customers, and the community. “It was my comfort zone. It was important for me to work somewhere that I felt I could make an impact and wouldn’t get lost.” As it turned out, Crisp was working for Online Information Services when he graduated and was lucky enough to be offered a position as an accountant. “I graduated on Friday and started my new job on Monday.” During Crisp’s first few years as a full-time employee, the owner of the company Jim Blair, who had become a mentor for Crisp, was working



PHOTO BY DOUG SMITH

**Lindsey Crisp is an alumnus of East Carolina University and is a strong supporter of the College of Technology and Computer Science.**

to expand the business through opening small finance establishments. By age 27 Crisp was chief financial officer of Check Cashing Headquarters and helped open 50 of its stores in the southeastern United States. “So much of life is timing and I got in with Online on the ground floor. I was working for someone who had known me for a long time, had a lot of faith in me, and gave me opportunities.”

After six years and lots of growth, Crisp decided it was time to return to a truly small business and took a position as a CPA with local accounting firm Parrott and Douglas. The firm merged with Dixon Odom, then with Dixon Hughes. Shortly after Crisp had been promoted to senior manager, his old friend and mentor Jim Blair called to tell him about a job opening at Carver Machine Works in little Washington. “Carver is an employee-owned company, so it’s always had a board of directors. Jim was on the board and had been for years when the president and CEO position came open and he wanted to put my name on the list of candidates. I told him that I appreciated the offer, but I was set working with Dixon Hughes and just wasn’t interested. He said, ‘Hear me out,’ and proceeded to tell me about the company. I really heard his passion for what he thought the opportunity was with Carver and I caught it. So I interviewed and here I am. It was one of those things that I would always wonder ‘what if,’ so I had to try it. That’s how a guy like me gets to be president and CEO of a company.”

Since Crisp took Carver’s helm, the company has seen significant improvements. What started as a family owned and operated general machine shop has grown to 67 employees that own the company through an Employee Stock Ownership Plan (ESOP) and fabricate specialty materials for various industries, including aerospace and defense, pulp and paper, and nuclear and chemical. Carver keeps big, industrial machines running by making and/or refurbishing the parts that make those machines operate, parts

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# Robert and Betty Hill Breakfast of Excellence



**Robert and Betty Hill with Dean David White**

The College of Technology and Computer Science hosted the second annual Robert and Betty Hill breakfast on Friday, April 23, at the Murphy Center. Over 100 of ECU's top administration, faculty, students, and parents were in attendance to see the outstanding students. In 2008, Robert and Betty Hill created an endowment in their name for the college; the gift funds the recognition breakfast, an annual awards ceremony to build community within the college and recognize scholarship recipients and outstanding students and faculty. "Education is the key for people growing up today," Hill said, "Manufacturing jobs aren't there anymore...we see the world going more toward technology and service industries every day. People need a college education to be successful."

The formal program started with an introduction from Dean White followed by Vice Chancellor, Deirdre Mageean, who offered a few words of encouragement for the students. After introductions, students who demonstrated outstanding achievements this academic

year were given their special recognition with a certificate from their respective departments. Students who received awards for the 2009-10 year were:

**Construction Management:**

Phillip Bryan Chamberlain, Jr; Robert Lindsey Pearson; William Joseph Pack; Jacob Wayne Best; Dexter Andrew Batts; Graham Marie Atkinson; Edward Blake Goodall; Harvey Taylor Satterwhite, III; and Jonathan Arlon Landen.

**Outstanding Seniors:** Bryan Steven Strothmann, Harvey Taylor Satterwhite, III, and Phillip Bryan Chamberlain Jr.

**Engineering:**

Scott William Reed

**Outstanding Seniors:** Bioprocess Engineering: Michael Stephen Cannon; Systems Engineering: Franklin Keith Lawson

**Technology Systems:**

Joshua C. Lewis; William Anthony Lucas; Christopher Thomas Gyor; Maggie A. McKay; and Irmgarda L. Padgett

**Outstanding Seniors:** Outstanding Senior - Design-Daniela Elexene Berrone; Jeffrey S. Graper Brandon, Wayne Harding. Outstanding Senior - Industrial Distribution and Logistics- Kyle Shane Bowen. Outstanding Senior - Industrial Engineering Technology: Brent Jurgen Ackermann; Bradley Harris Swain.

Outstanding Senior - Industrial Technology-Burns Louis Mijanovich; John Lloyd Tyrer, Jr; and Phillip William Lewis. Outstanding Senior - Information and Computer Technology -Lucas Michael Reed; Thomas Andrew Wall and Jeffery Paul White.

**Robert H. Wright Alumni Leadership Award:** Kyle Shane Bowen

**Computer Science:**

Peter John Benoit; Tyler James Hurley; Miciah Dashiell Butler; Steffne Amber Palmateer; John Christian Clark Palmer; Matthew Christopher Rucker; Boya Xie; Brandon Scott Moody; and Joseph Reid Wallace.

**Outstanding Senior:** Matthew Christopher Rucker; Outstanding Graduate Student: Sri Pujitha Vemareddy; Outstanding Graduate Assistant: Alireza Kousha

Dean White had this to say at the conclusion of the morning, "We are very proud of our students and we always appreciate the generosity of the Hill family and what they have done for our college. Our hope is to make this event even bigger next year."

# ECU Alumnus Returns for Second-Annual TECS Leadership Series

On Friday, April 23 in the Hendrix Theatre, more than 80 students and faculty were in attendance for the second-annual College of Technology and Computer Science Leadership Series. R. Scott Cooper, an ECU alumnus from the construction management program, now a marketing manager with Cat Americas, Telehandler Group, gave the lecture.

Cooper a former industrial technology major started off the afternoon with a brief bio including an educational and work history. Cooper graduated from ECU in 1990, and he quickly realized he had a head start on other job seekers with his specialized degree.

"The construction management program gave me a solid base to succeed in the construction industry by preparing me to understand my customers' need," Cooper shared with the audience. "It was beneficial that everything in our program was hands on. We were supported by a

faculty that knew everyone personally and made us feel like our family away at school."

The major points of the lecture that Cooper wanted the students to take away was to have a strong work ethic—be the go-to person, challenge yourself, step outside the box, live to work, be passionate, and to always put your family first.

He concluded that it is always important to have integrity, honesty, and to always have the drive to succeed.



**Scott Cooper lecturing to a group of 80 attendants.**

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# JETS competition in full swing at ECU



The Bertie-Chowan Physics Club varisty team consisting of Gabriel Cremeens, Jacob Lewis, Jeanne Lunsford, and David Peede won the overall competition. Pictured: Bottom Row (L-R), Ryan Lilley, David Peede, Jeanne Lunsford, Priscilla Lunsford; Standing (L-R), Gabriel Cremeens, Brandon Smith, Jake Ginn, Jacod Lewis, and Chase Stevens

At Mendenhall Building on February 26, 2010, approximately 80 student members of the Junior Engineering Technical Society came out to participate in the water conservation themed competition hosted by ECU's department of Technology Systems.

The JETS is a nationwide non-profit organization for high school students, which encourage its members to explore careers in the fields of math and science. Students work in teams of four to eight, combining their knowledge to find more efficient solutions for modern day problems.

This year's competition theme, "Water, Water, Everywhere," focused on educating students about water purification and conservation. The competition consisted of two separate parts: The first stage required students to complete a written examination that collectively assessed the knowledge of each team. After this, each team was required to practically apply that knowledge to solve eight different scenarios that were related to the theme of the competition. Each team was judged by their overall performance and efficiency in the tasks.

The tasks that the JETS teams must complete were revealed to them on the spot and were timed by the judges. The students had to use critical thinking skills in conjunction with the materials and information they were given to

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## From Pepsi to the Department of Defense...*continued from page 4*

like industrial pumps and centrifuges. In essence, Carver helps keep industries operating. "One minute we might be manufacturing a new scrubber for PCS Phosphate in Aurora or fabricating tanks to transport nuclear waste across the country, and the next working on a new defense system that will be deployed to keep our nation safe," said Crisp. "Our philosophy has become, 'if engineers can dream it up and design it, Carver can make it.'"

Carver's work with the

Department of Defense is fairly new, but constitutes approximately 25% of the company's work. "The thing with Defense is that they can come in at any time that we're working on something for them and stop production on everything else until their piece is completed. It's serious business. This relationship came at a time when our work with pulp and paper was decreasing because that industry has suffered over the last few years. It's been a big learning curve, but if we hadn't taken it on when we did, we'd be a shell of ourselves today. We would have lost a

lot of the people that we've worked so hard to get and develop over the years. We're so fortunate to have secured that business."

In 2009 Carver opened a new 50,000 square-foot building at their facility that can accommodate extremely large jobs using massive overhead cranes and high-tech machinery.

"Anything that can be transported down the highway can be built, repaired, or fabricated in this building. We're

set apart from our competitors because of those capabilities." Some of Carver's clients include Domtar, Weyerhaeuser, International Paper, Northrop Grumman, Westinghouse, Honeywell, GE, and military bases.

Despite the high-profile work that Carver does, it's the small business atmosphere and the people that Crisp appreciates most. "What's significant about Carver being employee-owned is that workers have equity in the company. They get more than just a paycheck because they are invested in the company and our success. It's more

of a long-term approach on how to run a company. When you look at the tenure of our skilled people, whether it's our engineers, our welders, or even some of our most skilled machinists, it's incredible the number of years they have spent here. The fact that we're employee-owned, it doesn't just mean something to a stockholder or to me when we do something good—it means something to everybody here. My favorite thing about my job is interacting with our customers and especially our employees."

When Crisp is not working, he helps coach his son's basketball team, serves on the Beaufort County Committee of 100, is part of North Carolina's Aerospace Alliance, and is a member of ECU's Engineering Advisory Board. "We try to hire ECU graduates whenever we can. Right now we have two employees from the College of Business, one from hospitality management, one from engineering, and one from industrial technology. It's a huge deal that ECU has such a terrific engineering program right here in eastern North Carolina and I love being a part of that."

*This article is reprinted with permission from the East Carolina Alumni Association. It originally appeared in the spring 2010 issue of EC Alumni magazine.*



## JETS...continued from page 6

complete each scenario.

"The students are using science and math concepts to solve real-world issues that engineers deal with on a day-to-day basis," said Host Coordinator and assistant professor at ECU, David Batts. By having students participate in this competition, Batts hoped to further stem the interest of students into engineering through their experiences. He anticipated that the university's involvement will help to spur ECU's already growing engineering department.

Dean of Technology and Computer Science at ECU, David White, expressed his approval with the program by saying, "I believe JETS is a great opportunity to engage local-area high school students in the field of engineering ... Our goal is to provide them with a great experience while highlighting what ECU and our programs have to offer."

By the end of the day, the Bertie-Chowan Physics Club walked away with a first place trophy for the varsity division, while the Richland High School Engineering Club left with first for the junior varsity.

Lila Hackett, one of the JETS coaches from Richland High School Engineering Club, along with her 30 students, was very proud of her school's victory at this year's competition.

"Students get to apply what they use in the classroom, so when they ask themselves, 'When am I ever going to use this?' they actually can see it at work," she said.

This is the second year that ECU has hosted the JETS competition. ECU is the only school, other than UNC-Charlotte, to do so in North Carolina. Directors of the JETS competition were very pleased by its turnout and overall success and are optimistic that next year will be even better.

# Scott Reed Receives National Award from Prestigious Engineering Organization



**Scott Reed with advisor Dr. Tarek Abdel-Salam.**

Scott Reed, junior and student in the Department of Engineering in the College of Technology and Computer Science, has received an elite national award by the American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE). Reed, a mechanical engineering student, was honored with the 2010-2011 Frank M. Coda Scholarship at their monthly meeting in Raleigh on Wednesday, March 10, 2010.

Reed was awarded the prestigious national award in the amount of \$5000 for his outstanding scholastic, leadership abilities, character, and potential service to the Heating, Ventilating, Air Conditioning, and Refrigerating (HVAC&R) profession. Reed will have the opportunity to use the one-year scholarship to help further his education goals as a mechanical engineer. The scholarship was created in memory of Frank Coda, ASHRAE's

former executive vice president who died in 2004. The first award was given in 2006. ASHRAE's scholarship program was launched in 1989 under Coda's leadership. Since that time, ASHRAE has awarded 136 scholarships. The ASHRAE Scholarship program encourages and assists HVAC&R education through scholarships and fellowships.

"The ASHRAE award was a wonderful surprise and gift that would allow me to

continue my education in my chosen field," says Reed. "I want to thank the organization for this wonderful honor."

Reed is the only student this year in our region and nationally, to receive the Coda award. ASHRAE's giving the endowed Coda scholarship to a deserving young student to continue their education is a part of their long-term commitment to engineering and the sciences.

Dr. Tarek Abdel-Salam, associate professor of engineering and faculty advisor for the student chapter of ASHRAE added, "We are very pleased with the grant received in 2007 for \$3,000 and now the 2009/10 scholarship for \$5,000 from ASHRAE. "The support the Raleigh Triangle chapter provides really allows the opportunity for our students to network and interact with various industry professionals."

## Second-Annual TECS Leadership Series...continued from page 5

"If you work hard and have the right attitude, your management will notice these efforts and you'll be the one they'll look to for advancement opportunities," Cooper said. "I credit the construction management program for training me well with a lot of traits that are important for a future leader."

Cooper eagerly entertained questions from students and Dean White presented him with an ECU alumni hat along with other gifts from the college before the day was completed.

David White, dean of the College of Technology and Computer Science was pleased with the afternoon's event. "We had our awards breakfast this morning for our outstanding students and this was great way to finish the day with encouraging words from one of our alums, Scott Cooper."



## Technology Systems:

Dr. David Batts and Dr. Janet Sanders received a \$7000 grant from NC Bio-technology Center for development of bioprocess manufacturing courses

CT major Lance Cleghorn first student at ECU to obtain the EMC ISM Professional Certification.

Dr. Mike Behm's article, "Employee Morale: Examining the Link to Occupational Safety & Health," has been selected by the American Society of Safety Engineers (ASSE) as one of the Professional Paper Award winners this year.

IDIS Program formed a Logistics Team for the ECU Relay for Life. There were over 8,500 participants and ECU PAID Team raised \$1,100 and over \$82K was raised overall.

Dr. David Batts 38 years of bachelorhood will come to an end on May 15th. Congratulations Dave!

Two IDIS students presented at the Eastern Carolina APICS/ISM Chapter Meeting. Presentations were as follows:

- Aaron Brenner: The Standardization of International Transactions: The UNCISG (United Nations Convention on Contracts for the International Sale of Goods)
- Dawid Noori: Logistics in the Netherlands

25 students attended QVC in Rocky Mount, NC.

Presentation from Frank Meskowsky from JB Kelly Group, a speaker for the ISM Student Chapter, spoke on Risks in the Supply Chain.

IDIS formed a logistics Team was formed for the ECU Relay for Life. We had over 8500 participants and ECU PAID Team raised \$1100 and over \$82K was raised overall.

Four students and two faculty going to Materials Handling Institute in Cleveland, Ohio in late April.

Two students and one faculty attending National Electrical Distributors Conference in Las Vegas, NV in early May.

Three students attended the Institute of Supply Management Conference in San Diego, CA.

## Construction Management:

CMGT department recognized by the by the Greenville-Pitt County Chamber of Commerce and the Pitt County School System as an Oasis Partner, for volunteer services to the Pitt County School System.

National Association of Home Builders' ECU Student Chapter:

- was formed and recognized by the ECU SGA.
- conducted a seminar by Mark Tipton, ECU Board

of Trustee member, President/CEO of Whistler Corporation and Whistler Investment Group, and past president of the National Association of Home Builders, presented a seminar on the "do's and do not's" of site selection and land development.

- had a seminar presented by the NC Licensing Board for General Contractors, focusing on licensing for residential contractors.
- participated in the national residential construction competition.
- presentations by Craig Smith, program graduate and owner of 70 East Construction and Chris Edwards of the Pulte Group, on putting together a winning construction team.

Students who are LEED accredited.

- Justin Hanlon, LEED AP
- Lewis Sugg, LEED AP
- Tyler Sorenson, LEED AP
- George Allison, LEED GA
- Drew Sheaffer, LEED GA
- Daniel Seaman, LEED GA
- Jason Wenner, LEED GA

Other items:

1. A search for a permanent chair is nearing conclusion.
2. A Residential Concentration is now a part of the undergraduate curriculum.
3. Work continues on an Infrastructure Concentration with completion of the work during the fall semester.
4. An on-campus graduate program is being developed.
5. The Construction Research and Field Teaching (CRAFT) Laboratory is becoming a reality. On the ECU North Campus.
6. A research roundtable initiative is underway with faculty and industry partners.
7. A new organizational structure is in place for the department.
8. A new tenure-track faculty member will join the department in August with strong interests in Building Information Modeling.
9. An infrastructure research indoor lab area has been identified in the Science Technology Building to support the infrastructure concentration and the current NCDOT research underway by Dr. George Wang and Dr. Yuhong Wang.
10. Work continues for the ACCE accreditation team visit in October.
11. Office renovation work in Rawl Building for faculty is pending funding.
12. The study abroad program with Han University continues with other alliances being developed.





## Computer Science:

The graduate programs in computer science and software engineering have experienced substantial growth over the last three years. There now are about 56 computer science and software engineering graduate students and the computer science faculty continues to put a high priority on including students in their research activities.

Dr. Vilkomir and Dr. Tabrizi have each had papers accepted that are co-authored with their graduate students.

Dr. Q. Ding and her students have had two papers accepted for publication.

Dr. Tabrizi is the PI of a new NSF grant award that will provide support for graduate students.

Collaborative research also continues to be important to the computer science faculty. Dr. Q. Ding's recently published paper that she co-authored with several faculty members in the Biology Department is a prime example of new directions in collaborative research. Computer science and biology faculty continue to discuss the possibility of a new collaborative master's degree in bioinformatics. Another example of strong collaborative efforts being made is exemplified by Dr. J. Ding's recent publications. Last semester he had two papers published, which he coauthored with physics and medical school faculty.

With evidence of ECU's high regard for the graduate programs in the Computer Science Department an additional \$50,000 per year in graduate assistantships was awarded to our programs by the graduate school. Given this period of restrictions on academic budgets, this increase in assistantship support was a clear sign of the strength of the graduate programs in computer science and software engineering."

## Engineering:

East Carolina Engineer's Club scholarship recipients for the 2010 school year are, ECU students, Fran Feher and Jewaun Williams.

Scott Reed has received an elite national award by the American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE). Reed was awarded the prestigious national award in the amount of \$5000 for his outstanding scholastic, leadership abilities, character, and potential service to the Heating, Ventilating, Air Conditioning, and Refrigerating (HVAC&R) profession.

# \$4.2 Million Grant to Aid Aerospace Workforce Development

STORY COURTESY OF DOUG BOYD

The state's aerospace industry will get a boost thanks to a new program East Carolina University, N.C. State University and the state's community colleges are working on that will broaden opportunities for two-year-to-four-year engineering education and allow students to transfer from two-year colleges to universities.

The \$4.2 million statewide effort is called the Golden LEAF Opportunities for Work in Aerospace Manufacturing, or GLOW-AM, Initiative to build the aerospace workforce. In November, the Golden LEAF Foundation awarded \$148,472 to ECU and \$66,495 to N.C. State.

A statewide workforce needs assessment for the emerging aerospace industry in North Carolina found engineering education needed support. The ECU and N.C. State projects are designed to strengthen the capabilities of the community colleges to offer the critical engineering courses required in the first two years and build engineering workforce capacities in regions of the state that have high concentrations of aerospace manufacturing companies and maintenance, repair and overhaul operations.

Along with ECU and N.C. State, Pitt Community College, Wayne Community College, College of the Albemarle, Wake Technical Community College, Sandhills Community College, and Johnston Community College are involved.

ECU's part of the project involves developing engineering physics and introduction to engineering statics courses, while N.C. State will focus on engineering statics.

Dr. Paul Kauffman, chair of engineering at ECU, said the plan and the engineers it produces will "have a significant long-term impact in the east, especially with increased access to an engineering degree for regional students."

Eastern North Carolina's aerospace industry got a boost in 2008 when Spirit Aerosystems announced plans for an assembly plant at the Global Transpark in Kinston that could employ as many as 1,100. The facility is expected to open this year.

Eastern North Carolina also boasts Marine Corps Air Station Cherry Point and the Coast Guard's air station, aviation logistics center and aviation technical training center in Elizabeth City.

## ABOUT TECSCONNECTS

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# New Associate Deans Named for the College of Technology and Computer Science

Drs. Leslie Pagliari and Evelyn Brown have been named and will serve as associate deans for the College of Technology and Computer Science.



**Leslie Pagliari**

Leslie Pagliari joins the college from her position as the coordinator of Distribution and Logistics program in the Department of Technology Systems. She has published over 15 refereed journal articles, and has over 25 published conference proceedings and presentations. She is one of three professors in the United States recognized in an Inbound Logistics article featuring leading professors in today's supply chain curriculum.

She collaborates with many external organizations and is a board member on North Carolina Council for Logistics Education (NCCLE). She is currently the Association of Operations Management (APICS) president and serves as Education Chair for the Council of Supply Chain Management Professionals (CSCMP). She will focus her efforts on industry engagement and undergraduate education. Pagliari is also leading the creation and implementation of the new Career Development Program for the college.

Evelyn Brown joins the college from her position as faculty member in the department of engineering. Her current research interests center on the application of industrial engineering tools to improve health care delivery, while much of her previous research involves the application of heuristic approaches to manufacturing problems. She has served on numerous university, college, and department committees, including the University Research Council, the TECS Recognition Ceremony Committee, the Engineering/Math Committee, and the Engineering Assessment Committee. She is currently serving as co-chair of ECU's Research and Creative Achievement Week Committee. She is a member of the American Society for Engineering Education (ASEE), Society of Women Engineers (SWE), Institute of Industrial Engineers (IIE), and Society for Health Systems. Brown will focus her work as associate dean on research and graduate studies.



**Evelyn Brown**

"I am extremely pleased to announce these appointments to our leadership team," said David White, dean of the College of Technology and Computer Science. "Leslie and Evelyn have and will continue to make great contributions to our department and college."

## ALUMS JOIN THE TECS CONNECTS TEAM HERE'S YOUR CHANCE TO STAY CONNECTED!

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- **Recruit TECS students for potential full-time positions and internships**
- **Become a guest speaker for the TECS Leadership Speaker Series**
- **Visit our website at [www.tecs.ecu.edu](http://www.tecs.ecu.edu) for any upcoming events or information concerning our college**