TECS CONNECTS

News and Notes from the College of Technology and Computer Science

FALL/WINTER 2010

TECS NEWS

Sgt. David J. Smith

On January 26, 2010, the College of Technology and Computer Science (TECS) lost one of its own. Sgt. David J. Smith, 25, senior, in the Technology Systems Department, died from severe wounds resulting from a suicide bomb attack in the Helmand province of Afghanistan. Sgt. Smith of Fredrick, Maryland, was deployed to Afghanistan in October 2009 after already serving one tour in Iraq in 2006-2007.

Sgt. Smith came to East Carolina University (ECU) in 2003 after joining the Marine Corps Reserves. He found a home in the technology systems program and was excited about earning his bachelors degree in distribution and logistics. Those who knew him at ECU said he loved to be the center

ECU TECS Salutes Fallen Hero

of attention and had a great sense of humor.

"David had an infectious laugh and smile," says Dr. Leslie Pagliari, associate dean of the College. *"We will miss him in person, but his bravery will never be forgotten. He will forever be a pirate."*

Sgt. Smith was remembered at ECU's annual Military Appreciation Dinner on November 5, 2010. His family was presented with a coin from the college in his memory and honor. The coin displayed three stars, representing leadership, integrity, and service, three outstanding traits exemplified by David. A leadership award has been created in Smith's name, which will be bestowed annually on an outstanding student in the college. This award will represent the college's highest honor for a student. The following day, Smith's family tossed the coin to begin the ECU vs. Navy football game for Military Appreciation Day. Smith's family was humbled by all the support from the college.

"Our valiant men and women in uniform are the heroes of this country," says Dr. David White, dean of the College of Technology and

Computer Science. *"And we as a college are pleased to give Sgt. David Smith this great tribute, as a student, a man, and one of our courageous soldiers."*

If you are interested in making a donation in honor and support of the David J. Smith leadership scholarship, please make checks payable to the ECU Foundation and on the memo line write David J. Smith Scholarship and send to:

C/O Michael T. Ward
Major Gift Officer
College of Technology and
  Computer Science
East Carolina University
Greenville Centre, Room 1103
2200 S. Charles Blvd.
Mail Stop 301
Greenville, NC 27858-4353
Phone: 252-328-9566
Fax: 252-328-4904
Email: wardmi@ecu.edu

Smith Leadership Coin

WHAT'S INSIDE:

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ECU Student killed in Afghanistan Honored, Remembered

Vice President Biden talks with family at Arlington National Cemetery on Veterans Day

Vice President Joe Biden cried as the father of U.S. Marine Corps Sgt. David J. Smith explained how his son, an East Carolina University student, was killed from injuries suffered in Afghanistan.

"He said, 'A parent should not have a child proceed them in death,'" Dr. Leonard Smith recalled Friday, Nov. 12.

Smith and other family members were at Arlington National Cemetery on Veterans Day to honor David James Smith, who died Jan. 26, three days after he was injured by an improvised explosion device in Taghaz, Helmand province. He was 25.

Biden's visit *"sort of made the day a little easier for all of us,"* Leonard Smith said. *"We certainly all appreciated him being there."*

He said Biden spent five to 10 minutes with him; David's mother, Mary Jane McWilliams; stepfather, John Jones; and stepmother, Olga Smith. Biden visited several families and gravesites in Arlington's Section 60, where many servicemen and women killed in Iraq and Afghanistan are buried.

"He was hugging my wife and Mary Jane, and shaking my hand over and over again," Smith said. *"It means a lot to the families of those fallen warriors that the government recognizes [their sacrifices]."*

Before he left, Biden placed on Smith's headstone a coin bearing the vice presidential seal. The family gave Biden a rubber bracelet bearing his name, which the vice president immediately put around his wrist.

Smith was an ECU senior from Frederick, Md., majoring in distribution and logistics, before he was deployed to Afghanistan in October 2009. He had already served a tour in Iraq from 2006 to 2007.

On the morning of Jan. 23, his father said, Smith was preparing security perimeters in Taghaz, a town of about 7,000. He'd found a stash of detonators and was talking about them with his platoon commander when a fellow Marine saw someone go between buildings who wasn't supposed to be there. A Marine approached the person, and the person detonated an IED. Smith and two other Marines suffered fatal injuries.

"He was a great kid," his father said.

Those who knew Smith at ECU said he loved to be the center of attention and had a great sense of humor.

"David had an infectious laugh and smile," said Dr. Leslie Pagliari, associate dean of the College of Technology and Computer Science. *"We will miss him in person, but his bravery will never be forgotten. He will forever be a pirate."*

On Nov. 5, Smith's family was presented with a coin from the college at ECU's annual Military Appreciation Dinner. The coin has three stars representing his leadership, service and integrity.

The next day, Smith's family tossed the coin to begin the ECU vs. Navy football game for Military Appreciation Day.

A leadership award has been created in Smith's name that will be awarded annually to an outstanding student in the college. It will represent the college's highest honor for a student.

"Our valiant men and women in uniform are the heroes of this country," said Dr. David White, dean of the college. *"And we as a college we pleased to give Sgt. David Smith this great tribute, as a student, a man and one of our courageous soldiers."*

Coutesy of ECU News Service

Vice President Joe Biden wipes his eyes as he talks with the family of US Marine Corps David James Smith, from left, step father John Jones, father Dr. Leonard Smith, mother Mary Jane McWilliams, and step mother Olga Smith, at the grave of their son US Marine Corps Sgt. David James Smith, Frederick, Md., in Section 60, on Veterans Day at Arlington National Cemetery in Arlington, Va. (AP Photo/Alex Brandon)

A coin from Vice President Joe Biden sits on top of the tomb of US Marine Sgt. David James Smith, after he visited Section 60, on Veterans Day, at Arlington National Cemetery in Arlington, Va. (AP Photo/Alex Brandon)

Message from the Dean
You make a difference!

As you read this newsletter, you'll see all the great projects we're doing on behalf of the college and it's all because of your support. As alums and supporters of the college, you help us in so many ways…and we thank you!

We appreciate all of you who have suggested to a prospective student that the College of Technology and Computer Science at ECU is a great place to learn and grow. You are our very best recruiters! Please continue to help us spread the word about the outstanding academic programs that we have in engineering, construction management, computer science, and technology systems.
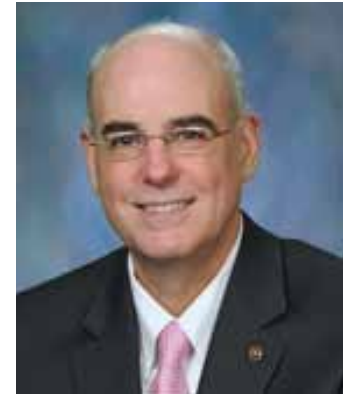
Thanks to our industry partners who enable our students to acquire valuable work experience while in school through internships, co-ops, capstone projects, and part-time jobs. These experiences are critical to the success of our students.

Thanks for supporting the college through your generous contributions of money and time. As budgets get tighter and resources more difficult to acquire, your donations are critical to our success. Please continue to support us in any way you can.

If you are in Greenville, please come by to visit the college. Visit our new website at www.ecu.edu/tecs and learn about all the great things going on in the College! Take a moment to send us updated information on where you are and how you are doing. We want to stay in touch because YOU MAKE A DIFFERENCE!

I hope you have a great holiday season!

David White, Dean
College of Technology and
Computer Science

ECU's TECS, Boy Scouts of America Collaborate in First-Ever Technology Event

In 1910 when the Boy Scouts of America was founded, the most recent technological achievements were Thomas Edison's demonstration of the first talking motion picture and Georges Claude's displaying of the first neon lamp. Now fast forward one hundred years later, as the Boy Scouts celebrate their first centennial birthday at the 2010 National Scout Jamboree in Fort A.P. Hill, Virginia. The College of Technology and Computer Science (TECS) presented a display of cutting-edge technology to over 45,000 scouts at the Jamboree's first-ever ten-day technology quest exhibit.

Scouts from all 50 states and 26 countries around the world had the chance to experience more than 50 technological demonstrations, presentations and hands-on activities that included, biology, robotics, energy virtual reality, and chemistry. TECS provided computers, large screen monitors, and a back screen classroom for the exhibit.

"This event provided a unique opportunity for the College to engage young men around the country and the world who are interested in technology and engineering and to talk about ECU, our college, and our programs," said David White, dean of the College of Technology and Computer Science.

Presented by Chuck Lesko, PhD, assistant professor in the department of technology systems, the scouts had the opportunity to dive into their own virtual world first hand. The scouts were able to create avatars, which are the computer user's representation of himself/herself or alter ego, usually in the form of a three-dimensional model used in computer generated, virtual digital environment. The scouts learned how they could create a 3D image of themselves, by using their own virtual scouting world, they were also able to develop animations and build their own three-dimensional objects. *"The exhibit was a hit from day one,"* said Lesko. *"I had to solicit several Jamboree staff to assist me with the exhibit; after I showed them what the exhibit was all about I found I had more staff volunteers than I needed. The staff had just as much fun as the scouts did."*

As for the scouts, the feedback for the virtual technologies exhibit was an overwhelming success. For most

Dr. Charles Lesko, assistant professor in Technology Systems assisting boy scouts with virtual technology.

of the demonstration sessions there was standing room only. More than 140 demonstrations were conducted giving thousands of scouts an opportunity to look deeper into the world of virtual technology. *"Virtualization is a technology that these scouts will live with the rest of their lives,"* said Lesko. *"Our hope here is that they are more aware of what virtual technologies are all about, maybe we inspired a few of these young men to learn more about the technology field, but most importantly we hope that they had fun doing it."*

New Career Development and Leadership Center for TECS

The College of Technology and Computer Science (TECS) has launched a brand-new Career Development and Leadership Center (CDLC) for students and alumni. The CDLC will provide information about potential employers, internships, scholarships, and a job database. The center is located in the Science and Technology building, second floor, room 239.

Offered free to all students and alumni in TECS, the CDLC provides practical skills and real world experiences that put our students' first-class education into action to promote positive change locally, nationally, and globally.

"We're very excited about this new venture and what we can offer our students," says Leslie Pagliari, associate dean of the college and director of the center. *"We're also providing information for employers through our student employment database to help them find potential employees."*
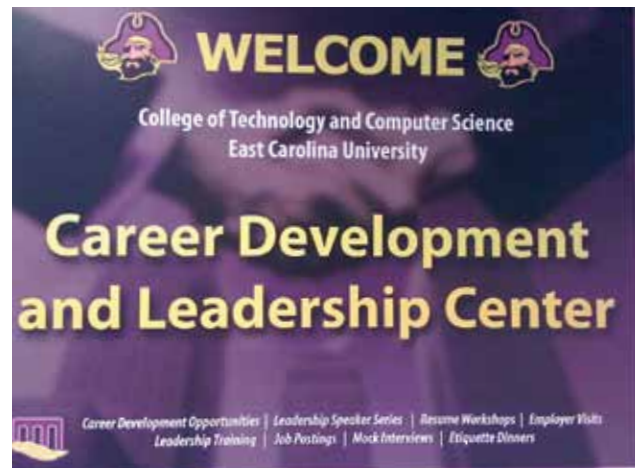
The overall goal of the center is to ensure students are ready for graduation, have real-life experience in their respective fields, and can effectively secure a full time position upon graduation. This approach will ensure students are gaining the leadership strategies and skills needed and required by employers before they graduate from East Carolina University.

Services offered at the CDLC for students and alumni include:
- Resume blitz sessions
- Graduate school information sessions
- Mock interviews in conjunction with ECU's Career Center
- On campus interviews with employers
- Career networking days with employers
- Career panel days
- Assistance in job searching and tools needed to search effectively
- Training for access to the ECU Career Center tools such as e-recruiting and alumni pirate jobs, cost of living calculators and personality tests
- Business etiquette dinners
- Leadership seminars

"The center is a value-added benefit for our college," says Dr. David White, dean of the College of Computer Science and Technology. *"It provides a professional experience for both students and our industry partners."*

WELCOME
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East Carolina University

Career Development and Leadership Center

Career Development Opportunities | Leadership Speaker Series | Resume Workshops | Employer Visits
Leadership Training | Job Postings | Mock Interviews | Etiquette Dinners

College of Technology and Computer Science Partners with Hewlett-Packard on Global Collaboration

The College of Technology and Computer Science, Technology Systems department at East Carolina University announced today a grant received for their participation in the Hewlett-Packard (HP) Catalyst Initiative, a global social innovation program designed to develop more effective approaches to science, technology, engineering and math (STEM) education worldwide. HP awarded Dr. Peng Li, assistant professor, in the Department of Technology Systems, the grant in a formal announcement on September 16.

Li was awarded the grant, valued at more than $150,000, for his proposal entitled *"Hands-on information technology virtual laboratory powered by cloud computing for global collaboration."* Headed by Li, the team members included, Mr. Lee Toderick, Dr. ChengCheng Li, Dr. Philip Lunsford, Dr. Tijjani Mohammed, and Mr. Joel

Sweatte; all collaborated on this project to put them in contention for the grant.

"With this project we are going to explore how to leverage virtualization and cloud computing technologies to bridge the digital divide between schools and between countries, and make hands-on learning experiences available to more students through collaboration," Li said.

"The HP Catalyst Initiative underscores our vision of a world where innovation and collaboration are enabled by investments in technology and education," says Gabi Zedlmayer, vice president of Global Social Innovation for HP. *"The program is designed to help foster potential solutions to society's most critical challenges by educating and nurturing leaders that will be critical in ensuring we develop new communities and find new ways of doing things."*

HP awarded $6 million to 35 educational institutions, including ECU, across five consortia that will use the award to explore innovations in STEM+ learning and teaching. This builds on the Obama Administration's "Educate to Innovate" coalition designed to improve national outcomes in STEM subject matters.

HP is building a global network of consortia that is attempting to develop more effective approaches to science, technology, engineering and math (STEM) education. The goal is to create international collaborative "sandboxes" of innovation that will explore what the future of STEM education can look like—a future where students use their technical and creative ingenuity to address urgent social challenges in their communities and around the world.

"The College of Technology and

Two ECU Students Considered Heroes For Saving a TECS Professor's Life

It was his usual game of racquetball at East Carolina University's (ECU) Campus Recreation Center for Lee Toderick, professor in the College of Technology and Computer Science, but that day would be anything but typical.

After finishing up the game, Toderick exited the center and started experiencing a sharp pain in his chest and shortness of breath; the tell-tale symptoms of a heart attack. In his struggle, Toderick sat down on a bench outside the center and then fell near a flowerbed.

Student Andrew Langlois was the first to see Toderick collapse. Langlois, a health and fitness major, immediately dropped everything and rushed to Toderick's side calling fellow health and fitness student, David Mwangi for help.

With their expert training and courage under pressure, Langlois called out to the crowd pleading for someone to call 911 then he performed assisted breathing while Mwangi performed the chest compressions.

According to the American Heart Association (AHA), every 38 seconds, someone dies from heart and blood vessel diseases, America's No. 1 killer. Since most of those deaths are from coronary heart disease — about 425,000 each year, knowing the signs of a heart attack and getting help quickly can make the difference between life and death.

Lt. Suggs of the ECU Police was the first to respond to the call. Lt. Suggs quickly retrieved a defibrillator from the center and performed an analysis on Toderick. By Lt. Suggs account, the CPR conducted by Langlois and Mwangi stabilized

Left to right: Dean David White, Andrew Langlois, Mr. and Mrs. Lee Toderick, and David Mwangi

Toderick and kept him alive until the paramedics arrived.

"In my opinion, if the patient had collapsed elsewhere, perhaps where there were untrained people, he would be dead today. Mr. Mwangi and Mr. Langlois saved that man's life," said Lt. Sugg.

Toderick agrees, *"Two young adults, ECU rising seniors, administered CPR to me that kept me alive until minutes later, when EMT services took over my care. These students (and their parents) should be commended for their strong moral character and compassion toward another human being. They clearly demonstrated the East Carolina University motto, servire."*

"I felt honored I was able to personally thank Andrew Langlois and David Mwangi for their assistance during Lee's crisis," says David White, dean of the College of Technology and Computer Science. *"It's great to know that we have such brave students at ECU to help another in need."*

Students from Area High Schools Invade TECS for Engineering and Technology Day

On November 5, over 250 high school students along with their teachers received the grand tour of ECU's College of Technology and Computer Science (TECS) for their annual Engineering and Technology Day. The event, which was co-sponsored by Weyerhaeuser of Ayden, took place from 9AM to 1:30 PM on the ECU campus and included tours of the college laboratories and presentations on technical career opportunities.

The goal of engineering and technology day is to build student awareness of the importance of mathematics and science courses by showcasing the career opportunities in engineering and technology fields with a special focus on business in eastern North Carolina.

Students and faculty from Pitt, Beaufort, Edgecombe, Onslow, Wayne, and Wilson counties toured the facilities of the science and technology building where ECU faculty gave presentations on wide ranging topics such as computer networks, engineering graphics, biomedical engineering, and construction.

"This day provides a wonderful opportunity for regional students to explore engineering and technology fields and careers. It is important for students to see that science and math can be fun and lead to accessible and rewarding career options," says Dr. Paul Kauffman, professor in the department of engineering and event organizer. *"Support by Weyerhaeuser for this event is an example of collaboration between the university and regional industry to boost work force development in eastern North Carolina."*

Highlights of the day included student team competitions for egg drop devices and bridges made from Popsicle sticks. Ten (10) teams participated in an egg drop contest, which consisted of hand-made devices created to protect the egg from cracking after being dropped on a target from a three-story height. Six (6) other teams built Popsicle stick bridges tested to

exceed 400 pounds in load capacity.

East Carolina's College of Technology and Computer Science, which houses the Departments of Engineering, Computer Science, Construction Management, and Technology Systems works closely with area high schools and local companies such as Weyerhauser to promote career options in the science, technology, engineering, and math (STEM) fields.

"We look forward to this event every year, " says David White, dean of College of Technology and Computer Science. *"This is a great opportunity to teach about the STEM programs and what our college has to offer for those rewarding and exciting careers."*

Popsicle bridge presentations.

Construction Management names New Chair

Syed Ahmed, PhD, has been named the new chair of the Department of Construction Management in the College of Technology and Computer Science at East Carolina University.

Ahmed began his career as a trainee engineer at McDonald Layton and Company in Islamabad, Pakistan. He subsequently held positions at Capital Development Authority in Islamabad, CRSS-AMC Construction Managers in Atlanta Georgia, Georgia Institute of Technology in Atlanta, Georgia, Hong Kong Polytechnic University in Hong Kong, and he's currently at Florida International University in Miami, Florida.

Ahmed joined the faculty at Florida International University in the College of Construction Management where he's currently serving as associate professor and graduate program director.

"I am very excited about joining ECU Construction Management Department as Chair and Professor," said Ahmed. *"I look forward to working closely with all the stakeholders to raise the stature and visibility of the department to make it a "world class" program."*

Dean David White agrees. *"We're looking forward to the new ideas and programs that Dr. Ahmed's experience brings. The Construction Management program will continue to thrive under his leadership."*

Dr. Syed Ahmed

New faculty joins ECU's Engineering Department

New faculty has joined the Engineering Department in the College of Technology and Computer Science, Chad Bosseti, Stephanie George, and Ricky Castles.

Chad Bosseti, PhD, former professor of Biomedical Engineering at Duke University and researcher at St. Jude Medical in Sylmar, California, is the new professor of biomedical engineering in the Department of Engineering. Bosseti plans to focus on implantable neural and cardiac stimulating and recording devices, as well as medical device MRI compatibility.

Stephanie George, PhD, former professor of Biomedical Medical Engineering at Georgia Institute of Technology, is also a new professor of biomedical engineering. George is hoping her biomedical engineering expertise will in some small way make an impact on health issues in our everyday lives.

Ricky Castles, PhD, previously worked as a researcher for Imaging Science research in Burke, Virginia. Castles will be the new professor of computer engineering for the department. His main focus will be developing computational models of learning and knowledge to advance personalized learning by accounting for individual aptitudes matriculate through the curriculum.

"We are very excited about our new faculty who has demonstrated a strong commitment to the field of engineering," says David White, dean of the College of Technology and Computer Science. *"Our college will continue to grow under the leadership of our new chair, Dr. Hayden Griffin and our dedicated faculty."*

Dr. Chad Bosseti

Dr. Stephanie George

Dr. Ricky Castles

TECS Construction Management Professor Awarded "One Person" Honor

A list of graduating seniors (fall 2009/spring 2010) identified the "one person" who made the single most positive contribution to their education.

Over 57 students identified Danny Morton, teaching instructor, in the Construction Management Department as the "one" with whom they've had an impactful and positive experience with.

Morton will be featured in an upcoming University publication highlighting this great achievement.

Congratulations, Danny!

Danny Morton

STAY INFORMED!
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TECS Supports Local Business Initiatives
CITE Connects Education to Industry and Workforce Development

David Harrawood, director of CITE and Edward Baysden, executive director of the Rocky Mount Area Chamber of Commerce.

Members of East Carolina University's College of Technology and Computer Science (TECS) attended the Lean Transformation Forum, held Thursday, November 11, at the Gateway Convention Center in Rocky Mount. The event was coordinated by the Rocky Mount Chamber of Commerce and was sponsored by manufacturers in the Rocky Mount business community. Among the sponsors of this event were: Freedom Credit Union, Hospira, Inc, Cummins, Rocky Mount Engine Plant, Tri-County Industries, Electricities and Superior Staffing Solutions.

The college was represented by faculty and students from the department of technology systems who were interested in both expanding their understanding of The 'Lean Manufacturing' process and expanding the presence of ECU in the regional industrial and business communities. The Center for Innovation in Technology and Engineering (CITE) reserved two tables and invited Lean Manufacturing supporters, students and faculty to attend to the event. The goal was to further the understanding of these manufacturing methods and the future with ECU through CITE.

Lean Manager Medrick Rainbow, a graduate of School of Industry and Technology at East Carolina University, has led the Lean Transformation process at the Rocky Mount Hospira site. Rainbow emphasized the need for cultural change to sustain any process improvements that were accomplished during the transformation. Most companies that set out on this sort of productivity improvement fail due to the lack of engaging the total workforce. Rainbow cited that only about 1 in 3 companies that begin the journey are able to sustain "only about 30% are successful". Most companies become proficient at using the improvement tools and improve the overall equipment effectiveness yet overlook the overall people effectiveness

"This type of forum allows our students and faculty to mingle with a large number of business leaders in an informal environment, fostering better communication between our customers, the regional businesses, and the University, our supply of faculty expertise and new graduates", said David Harrawood, director of the CITE Program. *"We have had faculty projects with many of these businesses." We have in the past and will in the future, place graduates with some of these companies."*

The TECS CITE program's interface with regional industry serves to strengthen the educational experience by linking students with "real-time" industry opportunities and solutions. The program was founded five years ago to provide a portal for business and industry to access resources within TECS. CITE partners with many of the Community Colleges in the region to offer cost effective training resources to clients. Faculty members provide training and other project expertise with CITE functioning as a single point of contact for the college.

College of Technology and Computer Science Professors receive Top ASSE Awards

Two East Carolina University professors in the Department of Technology Systems received awards from the American Society of Safety Engineers during the organization's annual conference in Baltimore, Md.

David Batts received the 2009-2010 Academics Practice Specialty's Safety Professional of the Year, given to an ASSE member who has demonstrated outstanding accomplishments as a safety professional and has made significant contributions to the advance the safety profession.

Work by Michael Behm was among the top three member-written articles selected by the American Society of Safety Engineers Editorial Review Board for publication in the journal, Professional Safety. Behm received $3,000 for his third-place article and donated his earnings back to the ASSE foundation.

Founded in 1911, ASSE is the oldest and largest professional safety organization.

Michael Behm

David Batts, right, was honored by the American Society of Safety Engineers.

College of Technology and Computer Science Offers Recipe for Student Success

Lee Toderick, faculty in Technology Systems

Lee Toderick, faculty, in the program of Technology Systems for the College of Technology and Computer Science will receive international recognition from the EMC Academic Alliance program for his outstanding work-preparing students for a global and diverse workforce. In addition to teaching storage technology, Toderick successfully prepares students for careers in the global information technology industry by focusing on three critical areas – global collaboration, leadership, and industry certification.

During the Spring 2011 semester, Toderick plans to partner with EMC Academic Alliance member universities worldwide to teach the Information Storage and Management (ISM) course. Students will work with their international teammates to complete projects, and will gain valuable experience working in remote teams across cultures and time zones. *"We strive to create an experience where students learn alongside peers from diverse cultures,"* Toderick explains of the global collaboration program where students work in globally diverse teams.

In addition to providing a global perspective of the workplace, Toderick encourages students to gain leadership experience. This semester, he has nominated Lance Cleghorn, a former ISM student, to participate in the EMC Student Ambassador pilot to help the department promote the ISM course through an awareness campaign about the value of information infrastructure education and certification. Cleghorn will gain valuable resume-building experience including project management and presentation skills.

Toderick also supports students pursuing industry certifications. Last semester, several students earned the

Lance Cleghorn

EMC Information Storage Associate (EMCISA) certification. When asked how he recommends students prepare for certification, Toderick replied, *"Read the ISM book."* He cites this as an extremely valuable resource.

Through these initiatives, Toderick demonstrates his commitment to encouraging young job candidates to combine their degree, global leadership skills, and technical certifications to develop a powerful competitive edge.

"Our faculty is really committed to the success of our students," says David White, Dean of the College of Technology and Computer Science. *"We are proud of Lee and all of our faculty in helping to shaping the lives of our future leaders."*

From the Major Gifts Office

On behalf of the College of Technology and Computer Science I would like to thank you for supporting the college through your generous donations. In our college, (TECS), we are fortunate to have alumni and other members of our network who come back, give back, and maintain their involvement to help our college grow and flourish. As an alumnus or friend, you are one of our most valued resources.

In today's challenging economy, private resources are even more critical in attracting the very best students through scholarships, enriching our students experiences through private programmatic support, and developing a long range strategic plan that involves alumni and industry partners investing in our college. This past year, our college was one of two on campus that had an increase an alumni support. Thank you! While we remain young as a college we have a long way to go in achieving our goals and we need your continued support to make these ambitious goals a reality.

I invite you to visit our newly transformed website to see our many new features. Please visit **http://www.ecu.edu/cs-tecs/alumni.cfm** and share with us your news and successes by visiting our alumni update link. Giving to the College of Technology and Computer

Dean David White and Major Gifts Officer, Michael Ward

Science is 100% tax deductible and we again appreciate your support. Please let me know if I can be of assistance when considering a charitable donation.

Lastly, I would like to thank Gregory Poole Equipment Company for sponsoring our newsletter this academic year. Without this sponsorship we would not be able to send TECS Connects to our donors and alumni. Many Thanks!!!

Michael Ward
Major Gifts Officer
wardmi@ecu.edu
252.328.9566

CTCS Partners with Hewlett-Packard,

Computer Science is on the cutting edge of STEM research," says Dr. David White, dean of the college. *"I want to congratulate our team on such a strong effort working with Hewlett Packard and advancing the vision of STEM programs."*

This is not the first time the College of Technology and Computer Science has received a research grant from a national recognized organization. In the past, the National Science Foundation (NSF), the Department of Defense (DoD), and the National Security Agency (NSA) all awarded grants for various research and projects within the college.

Keihin Carolina Systems Technology Donates $10,000 to ECU's TECS

Funds to help promote Science and Technology Educaton across Eastern NC

Keihin Carolina Systems Technology LLC (KCST), a Tarboro company that manufactures engine control systems, has donated $10,000 to East Carolina University's College of Technology and Computer Science (TECS) to help promote Science, Technology, Engineering and Mathematics education (STEM) across eastern North Carolina.

STEM education is an important part of TECS' outreach to the local community. In partnership with Edgecombe Community College and Edgecombe County Schools, these funds will be used to help promote interest in technology and engineering related fields of study. This partnership is designed to interest students to a path of study in Science and Technology programs of higher education at ECU.

Keihin, manufacturer of engine control systems for Honda and Acura automobiles, personal watercraft, and ATV's has a longstanding relationship with TECS to help promote STEM education across all of eastern North Carolina.

"In our effort to help develop eastern North Carolina, we are anxious to strengthen our relationship with East Carolina University and continue hiring regional candidates to positions within our company," said Chris Eckhardt, vice president of operations for Keihin Carolina Systems Technology. *"KCST has had great success with interns and graduates of the ECU College of Technology and Computer Science joining our team in various departments including engineering, information technology, and quality engineering."*

The partnership will include sponsorship of information sessions and discussions with local schoolchildren and educators, and scholarships awarded to students with an interest in engineering and technology.

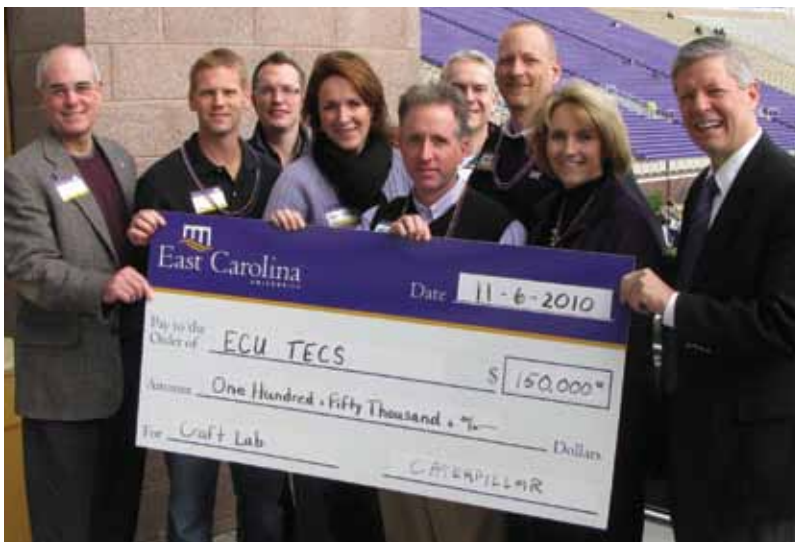TECS hopes this generous donation will encourage other

Left: Chris Eckhardt, Vice President of Operations for Keihin Carolina Systems Technology; right: Dr. David White, Dean of the College of Technology and Computer Science at ECU.

technology based industries around eastern North Carolina to reach out to the education community and to steer students towards careers in Engineering and Technology.

"Our college is very excited about this generous donation from Keihin", says David White, dean of the college. *"Our Director for the Center for Technology and Innovation (CITE) David Harrawood, has played a key role in bringing the College and Keihin together on this very important venture."*

Caterpillar Presents Final Installment for TECS

(from left to right) Dr. David White, dean, Korey Coon, Neil Britten-Austin, Kristin Girard, Tim Green, Scott Cooper, and Jim Roush, Dr. Leslie Pagliari, associate dean, Dr. Steve Ballard, chancellor.

Caterpillar Inc. presented its final installment of $150,000 to the College of Technology and Computer Science from a $500,000 pledge made in 2006. This gift will support the future Construction Research Applied Field Teaching (CRAFT) lab.

The CRAFT lab will provide a learning environment in which students learn construction and management skills in an applied environment for commercial, residential and heavy highway/infrastructure concentrations. The CRAFT Lab will also supply the teaching and research initiatives important for preparing students entering this emerging marketplace.

Caterpillar and Gregory Poole, a Caterpillar authorized dealer, made the pledge for the High-Bay and CRAFT labs to span over a five-year period that would serve as faculty development and training, equipment, materials as well as lab maintenance and student activities.

"The college would like to thank Caterpillar and Gregory Poole for their unwavering dedication and generous donations over the years," says David White, dean. *"The lab will provide students with the hand-on education needed for the working environment."*

Congratulations to the Spring 2010 Graduates!

Graduate Student Receives Prestigious 2010 Google-Anita Borg Memorial Scholarship Award

East Carolina only university listed in North Carolina along with Princeton, MIT, and Brown

Boya Xie, graduate student in the College of Technology and Computer Science, has received a prestigious national award from Google Inc. Xie, a computer science student, was honored with the Anita Borg scholarship for 2010 in the amount of $10,000 for her outstanding scholastic achievements. Xie is the only East Carolina University student in our region and state to receive the distinction. East Carolina University has been named in the company with other esteemed universities such as, MIT, Brown, Columbia, and Princeton.

In addition to Xie receiving an academic scholarship, she, along with other winners from around the world, will be invited to participate in all-expenses-paid networking retreat featuring work-shops, speakers, panelists, breakout sessions and social activities at Google offices.

After receiving the news about the award, Xie had this to say, *"ECU is the place where my abilities and potential get boosted. It provides me the stage to perform. I heartily appreciate the department and the professors, such as Dr. Ding, Dr. Placer, and Dr. Tabrizi, just to name a few, who always give me strong support."*

Google established the scholarship in 2004 in memory of Dr. Borg. Borg, a computer science pioneer, dedicated her life to changing the way society feel about diversity and technology. Her namesake scholarship, now in it's seventh year, continues to support under and post-graduate women completing degrees in computer science and related areas, to encourage the next generation of women to follow in her foot steps.

Google endow scholarships like the Borg award, to support their dedication to advancing technology and computing. Their hope is to provide opportunities for women and minorities to dismantle barriers in a field that is normally not afforded to this audience.

David White, dean of the College of Technology and Computer Science, said, *"The scholarship contributes to the College's commitment to diversity and demonstrates the excellent quality of our students and the support provided to them by our faculty."*

ECU Student Receives Prestigious International Trade Scholarship

First-Ever African-American student in the College of Technology and Computer Science to receive award

When Ladarius McEachin sets his sights on an achievement, he sets it high. McEachin is the first African-American student in the College of Technology and Computer Science to receive the Material Handling Education Foundation Honor Scholarship.

McEachin, a rising senior who is studying Industrial Distribution and Logistics in the department of Technology Systems, will receive the scholarship in the amount of $3,000, to be used towards continuing his academic endeavors.

McEachin credits his mother who started but was not able to finish college, and his grandmother for instilling a strong sense of education and high achievement. He also has a sister who is attending classes at a local community college. His hope is to complete what his mother started, finish college and to be an inspiration to other young African-Americans.

"I really like my program in Industrial Distribution and Logistics, my teachers and advisors really want to see the students succeed " McEachin said. *"My mother and grandmother are the reasons I value a good education, and I thank them too."*

Dr. Leslie Pagliari, associate dean and professor, concurs. *"Ladarius is a great student and we want to see him use his skills to obtain a position within the supply chain and logistics market."*

Since its origin in 1976, the Materials Handling Education Foundation has awarded more than 700 scholarships to students of all ethnic groups, nationalities, gender, and age. The Material Handling Industry of America, whose members provide financial support to the Foundation, is an international trade association of manufacturers, systems integrators, consultants, publishers, and software developers of goods and services that make the supply chain work.

"We honor Ladarius and all students like him who want to make a difference. Our college will continue our commitment to diversity and providing our students what they need to succeed; a supportive environment and committed faculty," Dr. David White, dean of the College of Technology and Computer Science, said.

McEachin is currently doing an internship with the Sensus Meter Corporation, in Raleigh, NC, a company that develops electrical meters. He's responsible for helping to upload component engineering technical documentation into the company's database to be used corporate wide. He's enjoying his internship and is hoping to find a position in logistics or the supply chain after graduation.