A Message from our Interim Department Head, Dr. Lu Yuan

Dear CSIT Family members, colleagues, and friends:

I hope that you enjoy reading the 2015 CSIT Review!

It has been a remarkable year with many changes taking place. We regretted that 3 CSIT faculty members including Dr. Theresa Beaubouef, Dr. Louise Bostic and Mr. Robert (Bob) Deeb have retired. In addition, Dr. Sebastian van Delden, Department Head and Professor of Computer Science, left Southeastern for another job in June 2015. We welcomed Mr. George Drouant, Instructor of Industrial Technology, who was hired in May 2015 and started teaching in August 2015.

Among all of the exciting news and achievements that happened in or with CSIT, the groundbreaking of the new Science and Technology building stood as one of the most important events in 2015. The 70,000 square foot building has three stories and will house all of the programs in the CSIT department. In addition to faculty offices and technology-rich classrooms, the building will have specialty labs filled with the state-of-the-art equipment and instrumentation for the purpose of teaching and research. The construction is expected to be done by mid 2017, making the facility possibly ready for the fall 2017 semester. Blueprints of building on back cover.

Other prominent achievements in 2015 include:

- Southeastern and BRCC signed 2+2 agreement on computer science programs in June 2015.
- The Engineering Technology program received the final statement from ABET regarding the decision of 6-year full accreditation from 2015-2021 in August 2015.
- The Industrial Technology program received the final statement from ATMAE regarding the decision of 6-year full accreditation from 2013-2019 in December 2015.
- The Second annual Tech-Connect Career Fair was held in March 2015 with more than 30 companies and hundreds of CSIT students, graduates and faculty in attendance.
- Dr. Junkun Ma, along with Dr. Ho-Hoon Lee and Dr. Mohammed Saadeh, received an enhancement grant from the Louisiana State Board of Regents to build the Engineering Technology Laboratory.
- Dr. Lu Yuan was selected for the ASSE 2015 Outstanding Safety Educator Award.

Our graduates are continually doing well by finding good jobs with great pay and other benefits. All of these have motivated us to do more and better in 2016 and beyond as we strive to make the CSIT Department the cornerstone of Louisiana higher education, especially in the STEM-related fields, on the Northshore.

Sincerely,

Dr. Lu Yuan, CSP
Interim Department Head
CS&IT Graduates Land Jobs

$52,333

was the average salary for our May 2015 graduates
(computed on August 17, 2015 from 17 of the 66 CSIT Spring 2015 graduates who reported their salaries to us)

<table>
<thead>
<tr>
<th>Company</th>
<th>Job Title</th>
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<tbody>
<tr>
<td>Laitram Machinery Harahan, LA</td>
<td>Mechanical Designer</td>
</tr>
<tr>
<td>Allpax Products, LLC, Covington, LA</td>
<td>Mechanical Drafter / Assembler</td>
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<tr>
<td>Alston Equipment in Amite, LA</td>
<td>Sales Engineer</td>
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<tr>
<td>Peoples Health Metairie, LA</td>
<td>Systems Administrator</td>
</tr>
<tr>
<td>Workstrings International- Broussard, LA (Lafayette)</td>
<td>HS&amp;E Coordinator</td>
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<tr>
<td>The Boeing Company, Charleston, SC</td>
<td>Systems Design &amp; Integration Specialist</td>
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<tr>
<td>Volks Constructors in Prairieville, LA</td>
<td>Project Estimator</td>
</tr>
<tr>
<td>P&amp;N TECH / LSU</td>
<td>Summer Intern / PhD in Computer Science</td>
</tr>
<tr>
<td>Turner industries at Exxon Mobil chemical plant Baton Rouge</td>
<td>Material Coordinator/planning and scoping</td>
</tr>
<tr>
<td>P&amp;N Technologies</td>
<td>System Support Specialist</td>
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<tr>
<td>GameStop of Baton Rouge</td>
<td>Game Advisor</td>
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<tr>
<td>Donahue/Favret Construction in Mandeville LA</td>
<td>Assistant Superintendent</td>
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<tr>
<td>CGI of Lafayette</td>
<td>Entry-Level Applications Developer</td>
</tr>
<tr>
<td>CGI - Lafayette, LA</td>
<td>IT Consultant/Developer</td>
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<tr>
<td>Ben Luzynski at Watch Systems</td>
<td>Entry-Level Application Developer</td>
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<tr>
<td>Axiall Corporation-Plaquemine, LA</td>
<td>Web Developer</td>
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<tr>
<td>CPS Instruments, Inc</td>
<td>Industrial Hygiene Technician II</td>
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<tr>
<td>Laitram LLC, Harahan LA</td>
<td>Supervisor/Crew Leader</td>
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<td>Jacobs Technology; NASA Michoud Assembly Facility in New Orleans, LA</td>
<td>Systems Engineer</td>
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<tr>
<td>CD&amp;I - Welker, LA</td>
<td>Environmental Scientist</td>
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<td></td>
<td>Scheduler/Planner</td>
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http://southeastern.edu/csit
The following CSIT students have been selected as recipients of the CSIT 2015-2016 scholarships. Congratulations!

⇒ SGA Endowed Scholarship in Science and Technology -- **Rylie Hanson**, ET Senior
⇒ Dr. William Curran Memorial Scholarship in Computer Science -- **Bibek Gautam**, CS Junior
⇒ Greater Baton Rouge American Society of Safety Engineers Scholarship -- **Leiah Roberts**, IT AAS in OSH&E Senior, and **Breanna Prevost**, OSH&E Sophomore
⇒ Linda Holt Sullivan Endowed Scholarship in Occupational Safety, Health, and Environment -- **Miranda Sciortino**, OSH&E Sophomore
⇒ Taylor Jeansonne Endowed Scholarship in Industrial Technology -- **Zachary Edwards**, IT Senior
⇒ Theodore G. "Teddy" Betz, Jr. Memorial Scholarship in Industrial Technology -- **Emily Soileau**, IT Senior
⇒ Thomas A. Utsey, Jr. Memorial Scholarship in Industrial Technology -- **Rustin Rosevear**, IT Senior

CSIT scholarship recipients pictured are Bibek Gautam and Miranda Sciortino.
The Intramural Coding Bee (Programming Competition)

The Intramural Coding Bee (programming competition) is held in Fayard Hall, room 122 on Friday 1/30. Cool prizes go to the winning teams. Kickoff Party is Thursday, January 29 from 4:30-5:30 pm in front of Fayard Hall; all students are welcome. There will be food, music, door prizes. Faculty Coach: Dr. John Burris. Rick Gremillion, President of Geocent (sponsor of Southeastern Programming team), addresses students at the Kick Off Party.

From left to right: Dr. John Burris, the winning team (Jeffrey Balint, Matthew Puneky, and Taylor Nichols), and Rick Gremillion

Dr. Ihssan Alkadi, Darrien Rushing and Jason Guidry travel to the Big Sky IEEE Aerospace Conference in Montana to present their paper titled: Comparative Analysis of Current Security Algorithms and the "MIST" Algorithm in Cloud Computing.
Dr. Lu Yuan, OSHE, wins the 2015 Outstanding Educator Award from the American Society of Safety Engineers (ASSE). This is a national level award which will be presented to Dr. Yuan at the annual conference in Dallas, Texas.

Dr. Lu Yuan, OSHE, is an invited Guest Speaker for the 2015 Louisiana Occupational Health Conference at the Embassy Suites in Baton Rouge, Louisiana, July 31 - August 1, 2015.

Dr. John Burris, Computer Science, learns that his paper on information retrieval has been accepted into the 2015 International Conference on Software and Information Systems, Las Vegas, Nevada.

Dr. Ephraim Massawe, OSH&E, organized an international conference (webinar) Nanotechnology for Site Remediation in collaboration with the U.S. EPA, OSHA and NIOSH on Monday Nov. 2. This webinar is a follow-up to the Inaugural Conference on the Applications of Nanotechnology for Safe and Sustainable Environmental Remediations [Nano-4-Rem-aNssERs] which was held at Southeastern Louisiana University in the Summer of 2013. Approximately 140 people attended the webinar.

Mrs. Allanagh Sewell, Computer Science Instructor, assumed the role of Faculty Advisor for Southeastern’s Women in Technology Student Club effective the 2015 Fall semester.
OSH&E Fall 2015 Graduation Ceremony, sponsored by GBRASSE, Glenn Young & Associates, Performance Contractors, Hagemeyer, Allpax, Deep South Crane & Rigging, and SafetyPro Resources, was held on Friday Dec.4 from 5:00 PM to 8:00 PM at the Historic Michabelle Inn & Restaurant. At the ceremony, Mr. David West, former member of the Board of Directors of BCSP (Board of Certified Safety Professionals) 2008-2013, presented the GSP (Graduate Safety Practitioner) designations to the 12 OSH&E Fall 2015 graduate candidates.

Pictured below are OSH&E Fall 2015 graduates Caitlin Daunis and Christopher Huckabee.
The 2015 CSIT Department Advisory Committee Annual Meeting was held on Friday Nov.6 from 9:00 AM to 1:00 PM in the New Student Union Ballroom.

Fugro visited the CSIT Department and held presentation and interview sessions on Thursday Oct.8 in Fayard Hall 303.
CSIT faculty and student participated in the Lion Pride Preview event on Saturday Oct.31 in the New Student Union Ballroom.

Hammond .NET User Group met on February 18 at 6pm in the Fayard Hall. The talk is "How to live .Net in a MEAN world: An introduction to Mongo and the Node suite for the .Net guy" by Jonathan Nogueira (Baton Rouge General Hospital) who will be going through an introduction to Node and the paradigms it represents, and Edge.js, a set library that lets Node scripts access .Net libraries, and C# execute Node scripts and also be looking at Mongo and the C# driver for it. Jonathan Nogueira is an Intro level programmer at Baton Rouge General Hospital, and has been working with .Net and the ASP.Net stack since early 2012. He enjoys working on 3D rendering and small electronics projects. He also enjoys working in and contributing to the open source community and is overjoyed that .Net is joining the fold.
Dr. Mohammad Saadeh, assistant professor of Engineering Technology, travels to Pontchartrain Elementary School in Mandeville, LA, to deliver an interactive electronics program to a class of 17 gifted students.

Tech-Connect 2015 (technology-focused Career Fair just for the CSIT department was held on Wednesday, March 25 in the first floor lobby areas of Fayard Hall. Employer booths from 930am-12pm. Come with polished resume and dressed to impress.
Iron 27 Gaming Day was held on Thursday Sep.3 in Fayard Hall. Mr. Joel Tubre, President & Creative Director of Iron27 Inc., and Mr. Patrick Flynn, Location Manager ofIron27, Inc. talked about their company and the student opportunities.

Future college students interact with James Stutts' new zSpace 3D visualization/interaction machine at a big Southeaster recruiting event. James is an Industrial Technology faculty member.

CenturyLink Information Sessions were held in CMPS 431 at 3:30 PM in Fayard 213 and CMPS 411 at 5:00 PM in Fayard 107 on Thursday Sep.17.
The ACM Student Club met on Wednesday, February 11th in Fayard room 205. Dr. John Burris gave a presentation on competitive coding as we are trying to make a formal group as a Southeastern coding team (for all levels of Comp. Sci. majors). Questions? Contact Matthew Puneky, matthew.puneky@selu.edu.

The first ACM meeting of 2015-2016 was held on Wednesday Sep.2 at 6:30 pm in Fayard 122. It was a general meet and greet with free pizza.

The ACM meeting was held on Wednesday, Sep.23 at 6:30pm in Fayard 122. The speaker was the prestigious Ray DeJean and he talked about a special topic. ACM was serving pizza and accepting applications to be a full ACM member at this meeting.

ACM had a meeting on Wednesday Oct.21 at 6:30 PM in Fayard 122. The speaker is the deluxe Dr. Wesley Deneke. The topic is *ALL YOUR DATABASES BELONG TO US.* It is the week of SLUGO so ACM distributed the SLUGO vouchers for the members.

ACM had a meeting on Wednesday Nov.18 at 6:30 PM in Fayard 122. The speaker is Taylor Yust and he will talk about *Unity: What Is?.*
Women in Technology (WIT)

Southeastern's WIT Student Club had its first meeting of the semester in Fayard 122 at 5 PM on Thursday, February 5. The guest speaker is Dr. Ying Yang. Dr. Yang is a researcher at LSU Agriculture Center, where she is working on a biofuel project. Drinks and Snacks will be served.

Women in Technology (WIT) met on Thursday, March 5, at 5 PM in Fayard 122. Kristen Reeves and Sara Moore from LA-WIT will speak to us about their experiences in STEM and about how Louisiana-WIT and Southeastern-WIT can work together.

Women in Technology (WIT) had its last regular meeting of the semester on Thursday, April 2 at 5:00 PM in Fayard 122. Savannah Brown from Rescutopia will be speaking on the non-profit she started for shelter animals and how she used her technical skills to make a difference in the community. We will also have our officer elections at this meeting.
Women in Technology (WIT)

WIT (Women in Technology) Southeastern Chapter had their first meeting Wednesday Sep.16 at 5:30 PM in Fayard 218. They had pizza, drinks, and a speaker. The speaker, Dr. John Burris gave a talk on resume, interview, and career fair tips.

WIT (Women in Technology) Southeastern Chapter had their second meeting Wednesday Sep.30 at 5:30 PM in Fayard 218. The speaker is Aimee Moll, a systems engineer at Laitram LLC in New Orleans. Pizza and drinks were served.

WIT (Women in Technology) Southeastern Chapter had their third meeting on Wednesday Oct.14 at 5:30 PM in Fayard 218. The guest speaker is Angele Romig, the VP-COA at GCR.

WIT (Women in Technology) Southeastern Chapter had their meeting on Wednesday Nov.11 at 5:30 PM in Fayard 218. The guest speaker is Sylvia Gil who works at the Naval Research Laboratory in Stennis Space Center.
Mr. John Kendrick, Manager of Environmental, Health, and Safety at Textron Systems Marine & Land Systems, talked about Textron and student opportunities in both ET 100 at 3:30 PM in Kinesiology Building 1002 and ET 493/494 at 5:00 PM in Fayard 101 on Thursday Sep.24.

Siemens Technology Mobile Showcase was held on Friday Nov.20 from 9 AM to 12:30 PM in the faculty/staff parking lot north of Anzalone Hall (on the Tennessee Avenue). The Mobile Showcase is a 38-foot long, 10-foot wide and 12-foot high demonstration-on-wheels of Siemens technology. The showcase trailer can accommodate approximately 25 people at a time. The showcase consists of functional displays of several actual customer applications and focus on how Siemens technology can benefit a customer in the areas of designing, commissioning, monitoring and maintaining their automation equipment.
The Student Section of the American Association of Drilling Engineers (AADE) had a meeting on April 30, 2015 in Fayard Hall Room #205, 1205 N. Oak St., Hammond, LA, 70402. We will introduce our Treasurer, Jason Sekulich, and our Secretary, David Bleakley. In addition to this, our guest speaker will be Mr. Alden Sonnier of M-I SWACO, and he will be speaking about Drilling Fluids; How/Why they are used, Kinds used, etc.

AADE (American Association of Drilling Engineers) Student Section had an annual membership-drive meeting on Wednesday Oct.14 at 4:45 pm in Fayard 109. Mr. Joe Gelpi of Oceaneering talked about the AADE events and opportunities. Pizza and beverages were served.
American Welding Society Meetings

The Regional Meeting of the American Welding Society was held on Southeastern's campus in Fayard Hall, room 101, on Thursday January 22nd, from 6pm-8pm. Faculty coordinator at Southeastern: Anthony Blakeney.

David Landon, President of American Welding Society (AWS) and Manager of Welding Engineering for Vermeer Corporation, visited Southeastern's campus on Monday 3/9, spoke to Industrial Technology students, and toured the industrial technology labs. Many thanks to Anthony Blakeney and George Fairbanks for coordinating this visit!
OSH&E  Students and Faculty members participated in the Louisiana Governor’s Safety and Health Conference Sep.28-29 at Crown Plaza in Baton Rouge.

OSH&E student, Christopher Huckabee, volunteered at the 1st Annual Tangipahoa STEM Fest on Saturday Oct.3 from 9 AM to 12 PM in Michael Kennedy Center at 601 W. Coleman Ave. Hammond, LA 70403.

AIHA

Ross & Wallace hosted a group of Occupational, Safety, Health and Environment (OSH&E) and Southeastern’s student Local Section of the American Industrial Hygiene Association (AIHA) students on February 20, 2015. The student toured the paper products facility in Hammond and learned about the industry.
ASSE Southeastern Student Section Meeting

The ASSE Southeastern Student Section had its meeting for the Spring semester on Monday, February 9th in room 116 at the Livingston Center (9261 Florida Blvd. Walker, LA 70785) at 7:30 PM. Mr. Jake Valenti, CSP, Sr. EHS&S Professional at Axiall Corporation and OSH&E Spring 2009 Graduate, will be the guest speaker for the evening. Mr. Valenti will be discussing PSM (Process Safety Management). Pizzas and soft drinks will be provided.

The ASSE Student Section March meeting was held on Thursday Mar. 12th from 12:30 pm to 1:30 pm in Fayard Hall 303. Ms. Vic Couvillion, President of Keep Hammond Beautiful, will talk about Keeping Hammond Beautiful and Environment-Friendly. As environmental issues become more and more relevant and important, this meeting offers a great opportunity to learn how to accomplish and to solicit more willing hands, heads and hearts to help the organization fulfill its mission. Lunch (Chicken Lasagna) is provided. Please reply this email by Thursday Mar. 5th if you are interested in attending the meeting.

The first ASSE (American Society of Safety Engineers) Student Section meeting of 2015-2016 was held on Monday, Sep. 14 in the Livingston Parish Literacy and Technology Center Room 104 at 5:30 PM. The President of the Greater Baton Rouge ASSE chapter, Mr. Jeremy Miller, was the guest speaker for the evening. Mr. Miller discussed current trends/needs in construction safety besides sharing the benefits of getting involved with ASSE/GBRASSE.
ASSSE (American Society of Safety Engineers) Student Section had its October meeting on Wednesday Oct.14 at 5:30 PM in Fayard 213. The guest speaker is Mr. Chris Newton, Workforce Development Coordinator of Cajun Industries, LLC. Mr. Newton talked about Cajun Safety Culture and Technical Training. Food and beverages were served.

ASSSE (American Society of Safety Engineers) Student Section had its November meeting on Tuesday Nov.10 at 11:00 AM in Fayard 218. Five safety professionals including Mr. Chuck Giffin of Jacobs, Mr. Barry Abshire of Pala, Mr. Michael Phelps of Turner Industries, Mr. Paul Amedee of Safway Group, and Mrs. Julie Roussel of DOW Chemical, shared their experiences in SH&E with students.

ASSSE (American Society of Safety Engineers) Student Section sponsored a Process Hazard Analysis Facilitator Certification course that was taught by Mr. Glen Young, CSP, Dec.14-16 in Student Union room 2202.
Dr. Ihssan Alkadi, Computer Science, learned that his chapter, *Assessing Security with Regard to Cloud Applications in STEM Education*, has been accepted for Cloud-Based STEM Education for Improved Learning Outcomes, one of the *Advances in Educational Technologies and Instructional Design (AETID) Book Series*.

Justin LeJeune and Cara Tunstall, two Computer Science students, mentored by Dr. Ihssan Alkadi, learned that their submission, *Enhancing Cloud Security with a Newer and More Enhanced Version of the Old MIST*, have been accepted for the 2016 IEEE Aerospace Conference in Big Sky, Montana, March 5-12, 2016.

Seth Champagne, Nicholas Moran, and Tyler Becker, three Computer Science students, mentored by Dr. Ihssan Alkadi, learned that their submission, *Southeastern Louisiana University Cloud Based Sustainability Project*, have been accepted for the 2016 IEEE Aerospace Conference in Big Sky, Montana, March 5-12, 2016.


Dr. Sebastian van Delden, Grace Chenevert, and Dr. John Burris* (Computer Science) paper "Finger Tip Tracking for Manipulator Jogging using the Kinect." will appear in Proceedings of the 7th Annual IEEE International Conference on Technologies for Practical Robot Applications. Boston, MA. May 11-12, 2015

Dr. John W Burris, Computer Science, learned that his paper, *Machine Learning for the Activitation of Contraflows During Hurricane Evacuation*, has been accepted for the 2015 IEEE Global Humanitarian Technology Conference in Seattle, Washington, October 8-11, 2015.
Dr. Wesley Deneke, Computer Science, learned that his paper, *Augmenting Healthcare - Integrating Augmented Reality and Pervasive Computing into Human Computer Interaction*, has been accepted for the ISECON 2015 annual meeting in Orlando, Florida, November 5-7, 2015.

Dr. Ho-Hoon Lee, Associate Professor of Engineering Technology, learned that his paper, *A Leader-Following Formation Control of a Group of Forklift-Like Mobile Robots*, has been accepted for the ASME 2015 International Mechanical Engineering Congress & Exposition in Houston, Texas, November 13-19, 2015. Dr. Lee will also serve as the Session Chair for Area: Design and Control of Robots, Mechanisms and Structures I at the conference.

Dr. Ephraim Massawe, OSH&E, learned that his proposal, *Safety Hazards and Human Health Risks of Engineered Nanoparticles*, has been accepted for presentation at the ASSE Region IV PDC in Tampa, Florida, February 25-26, 2016.


Dr. Mohammad Saadeh, Engineering Technology, learns that his paper "Parameters Identification for a Composite Piezoelectric Actuator Dynamics" has been published in Actuators, ISSN 2076-0825, www.mdpi.com/journal/actuators.
PUBLICATIONS

Dr. Lu Yuan, OSH&E, learns that his paper "Reducing ergonomic injuries for librarians using a participatory approach" has been accepted for publication in the International Journal of Industrial Ergonomics.

Dr. Lu Yuan, OSH&E, learned that his paper, An integrated biomechanical modeling approach to the ergonomic evaluation of drywall installation, has been accepted for publication in Applied Ergonomics.

TECHNOLOGY ENHANCEMENT GRANTS

Congratulations to all CSIT faculty who won Technology Enhancement Grants:

Dr. Junkun Ma, Engineering Technology, wins a $53,500 grant from the Board of Regents to develop an Engineering Technology Laboratory.

Drs. Ho-Hoon Lee and Mohammad Saadeh, Engineering Technology, received the Southeastern Real-World Ready faculty grant, respectively! According to the award emails, ET 485/486 are now officially-designated QEP classes when Dr. Ho-Hoon Lee is the instructor of record 2016 through May 2020. And, ET 386 is now an officially-designated QEP class when Dr. Mohammad Saadeh is the instructor of record 2016 through May 2020. Congratulations!
The following CSIT faculty members have received funding for their Student Technology Fee Large Project Proposals. Congratulations!

Anzalone 219 CAD Workstations submitted by Dr. Roy Bonnette & GA, Jarred Reno.

Virtual Southeastern Campus submitted by Dr. Wesley Deneke.

Enhancing the Engineering Design, Analysis, and Prototyping Laboratory submitted by Drs. Junkun Ma & Cris Koutsougeras.

Implementing Real World Ready Elements Within Engineering Technology submitted by Dr. Mohammad Saadeh.

Dr. Junkun Ma of Engineering Technology and Dr. Lu Yuan received the Southeastern Real-World Ready faculty grant, respectively! Dr. Lu Yuan also received the Southeastern Real-World Ready assessment coordinator grant. According to the award emails, ET 381 is now an officially-designated QEP course when Dr. Junkun Ma is the instructor of record Spring 2016 through May 2020. OSHE 382 is now an officially-designated QEP course when Dr. Lu Yuan is the instructor of record Spring 2016 through May 2020. Congratulations!

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