

INDUSTRIAL & SYSTEMS ENGINEERING

# ISE NEWS

SUMMER 2012

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**UF** UNIVERSITY of  
FLORIDA

# CHAIRMAN'S COLUMN



Dear Alumni and Friends,

Another tremendous academic year has come to a close. We celebrated in grand fashion at our annual banquet held in the football stadium's Touchdown Terrace with nearly 200 students, family, faculty and staff. Our ISE Hall of Fame grew to 16 members with the induction of Ms. Wilma Smith, Mr. Bruce Laval and Mr. David Thomas. You can read more about their stellar careers in this issue. Congratulations are also in order for ISE Hall of Famers, Ms. Erin Wallace and Mr. Andy Crawford, who were named UF Distinguished Alumni this spring.

As always, we recognized a number of student award winners, who you can also read about. Our thanks go out again to Emeriti Professors Richard Patterson and Don Hearn and their wives, Carolyn and Joyce, respectively, for sponsoring awards for our graduate students. I would also like to recognize recent alumni Diego Soto and Alejandra Hernandez for supporting a new undergraduate scholarship and 15 young alumni, led by Guillermo Moratorio, for starting the new work-life balance scholarship.

This past spring, we held a symposium for career advancement after listening to our young alumni -- and it was a tremendous success. From this recent event and our new scholarships, it is clear that our young alumni are very active and many have expressed their desire to become more engaged with the Department. After much discussion with various constituents, we have decided to form a Young Alumni Advisory Board. The mission of this group is to provide a mechanism for our young alumni to stay more formally involved with, and help, the Department. In no way does this replace our traditional Advisory Board. Rather, it will serve as a wonderful complement, providing mentoring and support, while also providing a structure for our young alumni to get, and stay, involved in the Department. Thanks are in order for the efforts of Kathryn Blackwell, Jessica Hinkle, Natalie Keller and Guillermo Moratorio for putting this together. In addition, I want to thank all of our young alumni for their passion. It truly is a pleasure to serve the Gator Nation.

I also want to acknowledge our corporate and government sponsors this year, especially through the support of senior design. We had a number of new sponsors this year, including BAE Systems, Crowley Maritime Corporation, Pepsi, Procter & Gamble, Raytheon and UPS. These sponsors joined a number of our most dedicated partners over the years, including Coca-Cola, Costa Farms, Nielsen, Northrop Grumman and Rockwell Collins. We also thank the U.S. Army, U.S. Navy and the College of Dentistry for their support of our program this year. If your company is interested in sponsoring a project for senior design or our year-long interdisciplinary Integrated Product and Process Design program, please do not hesitate to contact me.

The students were able to take advantage of their new workspace for senior design, as we officially "opened" a new lab with workstations and meeting capabilities. We again thank Procter & Gamble, Rockwell Collins and Walt Disney World Parks & Resorts for their support of the new lab.

Our graduates continue to be in great demand. According to a 90 percent response rate from our 59 undergraduates that graduated this spring, 72 percent were headed to industry and 21 percent were headed to graduate school with only 7 percent still looking for an opportunity at the beginning of June. JP Morgan & Chase and Manhattan Associates led with three hires each while Bank of America, Deloitte, GE, Nielsen and P&G also hired multiple students. The number (over 25) and diversity of companies hiring our students is astounding, and healthy, in this tough economy. The range is from consulting (Accenture, Deloitte, Herren, ZS Associates) to technology (Citrix, IBM) to finance (Bank of America, Capital One, Citigroup) to manufacturing (ABB, Cummins, Eaton, General Electric, Trane) to consumer goods (Anheuser Busch, Campbell Soup, General Mills, Nestle, Procter & Gamble) to defense (Lockheed Martin) and energy (Cameron, NextEra). Our Master's graduates deepened this list of companies with Alstom, Chrysler, Dow and Samsung. Interestingly, the energy (oil and gas) and defense industries were down in hiring this spring. Our trend of shipping talent out of the state also continued, with well over 60 percent of graduates headed to industry moving out of state. Georgia and North Carolina were the leading relocation states, ahead of Illinois, Iowa, Louisiana, New Jersey, New York, Washington D.C. and Virginia.

A total of 11 graduates from the spring undergraduate class are pursuing graduate education, including two in law (Florida and Stetson). The destinations of choice include Boston College, Illinois at Chicago, Florida and Georgia Tech.

It is abundantly clear that our graduates are in tremendous demand -- from all industries and all locations! It is also clear that our relationships with companies are nearly always born through our alumni -- thank you Gator Nation!

Speaking of alumni, I am always interested in hearing your story. Let me know if you have an update or if you want to meet. You can reach me via phone (352-392-1464) or email ([hartman@ise.ufl.edu](mailto:hartman@ise.ufl.edu)).

GO GATORS!

Sincerely,

Joseph C. Hartman  
Professor & Chair

## KRALL SENDS GRADUATES OFF WITH A MESSAGE

It was only natural that ISE Senior Elizabeth Krall was chosen as the College of Engineering Female Commencement Speaker this past May, as she admittedly has the gift of gab. This gift, along with her intellect and high energy, propelled her to a stellar career in the Department in which she founded the Society of Technical Sales Engineers and served as President of the Institute of Industrial Engineers. "I chose Industrial Engineering because I felt that it would give me the strongest tool set to be successful," said Krall. "This department is supportive and allows its students to pursue endless possibilities."

She also participated in three co-op rotations with General Electric, Industrial Solutions; studied abroad in Florence, Italy and participated in another study abroad experience in Costa Rica. She will join General Electric full-time shortly. "I am looking forward to using all of the skills and lessons that I learned in and out of the classroom as a UF ISE to make an impact on industry," she said.

**The following is a reprint of her address to her colleagues at graduation.**

*Although we all chose different disciplines we all have one person in common. No, I am not thinking of Zach from Tutoring Zone who most of us relied on to get through Kozinsky's Calculus One course. I am speaking of Sir Isaac Newton. Using our physics clickers as wands, we all conjured Newton's three spells and cast them into our minds. His three laws will forever be applied in both our careers and daily life.*

***A body in motion stays in motion and a body at rest stays at rest.***

*Gator Engineers, I encourage you to continue to stay in motion. Move forward and continue to set goals and make an impact on the world around you.*

*We are now being thrown into a large pond and competing with students from universities across the country. Bust moves outside your cubicle and grow as a leader. Educate yourself on leadership techniques and put them into practice. Choose to work with people who are different from you and learn from them.*

*Increase your velocity through new intellectual milestones. Get your PE or MBA. Become an expert in your field. Never lose the hunger for knowledge and the desire to do your best.*



*Do not remain at rest, but be afraid of comfortable. Take your vacation and explore how other people live. Be flexible and increase your awareness. Get lost in a foreign country, and who knows, maybe you will find yourself.*

***The rate of change of momentum is proportional to the imposed force and goes in the direction of the force.***

***Force = Mass times Acceleration***

*Accelerate your career, but make time to build lasting relationships with those around you. Have the courage to make mistakes, reflect on them, and make progressively positive changes in yourself.*

*Be a force in your local community. Select a cause that appeals to you and get involved. If you are interested in operations, like me, assist your local food bank with their sorting process or volunteer with Red Cross. If you have a love for calculus or physics, contact the local high schools to tutor or judge science competitions; we all wanted some extra help with AP preparations. Create momentum and encourage your friends and co-workers to participate with you.*

***For every action there is an equal and opposite reaction.***

*Remember where you came from. Without our alumni taking action in the world around them, the University of Florida may not carry the prestige it does today. Interact with other Gators. Create or join a local Gator Club in your new city. Build a stronger Gator Nation.*

*Take action through taking on the extra commitment of recruiting at UF. Recommend that your company attend career showcases and speak at college of engineering society meetings.*

*Continue to interact with your department through mentoring upperclassmen. Listen and give neutral guidance as they transition into their upper division courses and are facing the same transitional trials into the real world. Be available to share your experiences.*

*You may not be able to be a Bull Gator two years out of college, but that doesn't mean you cannot make a difference. Pull together a few of your friends from college and together fund an engineering scholarship for the cause that meant the most to you while you were in school. React and support the organizations that helped you survive this experience. We all know that they always need pizza!*

*Move into the next phase, whether it be graduate school or the corporate jungle, with momentum. Take action while maintaining balance and be the adaptable Gator Engineer for which we are known. Class of 2012, congratulations, we made it, and may the force be with you!*

-Elizabeth Krall, May, 2012







# SPRING, 2012 GRADUATES

THE DEPARTMENT conferred 59 undergraduate and 71 graduate (M.S. and M.E.) degrees in May. Our graduates are in great demand, as always. According to the information gathered from exit surveys, companies hiring two or more UF undergraduates this year were Bank of America, Deloitte, GE, JP Morgan & Chase, Manhattan Associates, The Nielsen Company and Procter & Gamble. In all, ISE undergrads found employment in 28 different companies. Additionally, eleven undergraduates have plans to go to graduate school, including Boston College, Georgia Tech, Illinois, Stetson and Florida. Our graduate students increased the number of employers, with the likes of Alstom, Chrysler, Cummins, Dow and Samsung.

Two Ph.D. students successfully defended their dissertations this spring. **Chin Hon Tan**, advised by Dr. Joseph Hartman, has already begun his appointment as an Assistant Professor at the National University of Singapore. **Konstantin Kalinchenko**, guided by Dr. Stan Uryasev, has accepted the position of Associate for Deutsche Bank Securities Inc.

## B.S. in Industrial & Systems Engineering

Ast, Joshua Hamilton  
Athinaa, Gladys  
Azis, Jordan Austin  
Barclay, Matthew A.  
Blosser, Jordan K.  
Chapin, Kyle S.  
Cifuentes, Charlotte A.  
Damiani, Jason  
Doyle, Andrew  
Dreyer, Allison Soper  
Escobedo Piedra, Claudia  
Ganzorigt, Khishigbat  
Garcia, Christine A.  
Gillett, Elizabeth F.  
Goldberg, Todd Z.  
Grove, Harrison P.  
Gutierrez, Fabian A.  
Hauer, Ryan B.  
Ho, Eric Liang-Hong  
Hyman, Natalie Marie  
Izquierdo, Jizel Ivett  
Kahn, Marie A.  
Kaufman, Alexander G. B.  
Korchmar, Don Michael  
Krall, Elizabeth M.  
Leaver, Aaron Joseph

Letchworth, Kristen G.  
Mazza, Michael A.  
McGinty, Michaela Joy  
Mitchell, Paul D.  
Moats, Madeline P.  
Montero, Adrian A.  
Moreno, Fernando  
Murphy, Katie Lynn  
Parsons, Nicholas C.  
Pearson, Darryl L.  
Peters, Christine Joy  
Pineda, Zeidee P.  
Ramos, Daniel R.  
Repplier, Kelly Young  
Ricart, Gabriella M.  
Rodriguez, Elysse K.  
Roll, Katherine A.  
Roost, Mitchell F.  
Rosario, Wildivina  
Schra, Michael D.  
Scott, Josef Ian  
Smith, Evan J.  
Sparfel, Maxime L.  
Spitznagel, Paul F.  
Stewart, Matthew T.  
Strickland, Abigail C.  
Tai, Justin Robert  
Torrebiarte, Andres

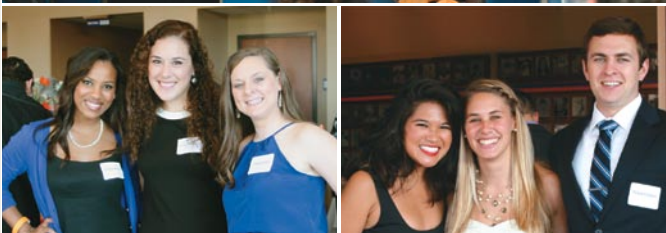
Tungate, Scott M.  
Vandenberg, Mark J.  
Velazquez, Christian D.  
Vittetoe, Andrew W.  
Wells, Natalie M.

## M.S./M.E. in Industrial & Systems Engineering

Abraham, John  
Alghazi, Anas  
Arias, Oscar Luis  
Aviles-Arbelo, Omar  
Ayer, Adam Louis  
Bell, Antoine Jamaai  
Benthal, Steven L.  
Butt, Atif Javed  
Carleton, Phillip R.  
Carson, Timothy T.  
Castro, Alex  
Cheung, Michael Chiu  
Comunale, Thomas J.  
Demers, Jerrod Avery  
Duan, Lisha  
Fernandez, Jennifer  
Filippi, Jon R.  
Ganji, Nakul Reddy  
George, Jose  
Gilmore, Brett S.

Gonzalez, Patricio A.  
Guerrero, Soledad  
Guo, Ning  
Guo, Ying  
Hawke, Ryan C.  
Hunter, Khorri Ajene  
Jee, Chang Woo  
Jia, Haining  
Joshi, Gaurav  
Kaki, Ajaydas  
Kantzios, Anna Nikol  
Khan, Hasnain S.  
King, William G.  
Korenkevych, Dmytro  
Lamelas, Marino F.  
Laohakiat, Sirisup  
Lasrado, Morgan Jude  
Li, Wenjun  
Lichter, Harry J.  
Malpartida, Annie C.  
Martin, Joshua A.  
Martinez, Jaramillo  
Medina, Frank  
Milne, Samantha Ann  
Mu, Ko-Ping  
Mulhern, Stephen M.  
Noble, Jason Mark  
Ojst, Daniel

Patil, Hemant Pravin  
Pineda, Joseph R.  
Praturi, Anvesh V.  
Preston, Allan F.  
R Gururaja Rao, Anil  
Ramirez, Diana Farid  
Ramos, Eric  
Reese, David C.  
Rivero, Cristina  
Ruff, Jaclyn A.  
Saa, Paul Bryan  
Sahu, Prashant Kumar  
Seeman, Daniel M.  
Shende, Amol Prakash  
Sheplak, Jason E.  
Shirokikh, Oleg Alek  
Singh, Haresh  
Solak, Besim  
Stepanek, David J.  
Tan, Qin  
Thomas, Jeffrey E.  
Torres, Laura Diana  
Truax, Laura D.  
Vanderkooy, Ronald R.  
Wang, Haoyu  
Wynn, Neal Benton  
Xu, Xiaoyi  
Zhu, Mingmin



## SPRING BANQUET COMMEMORATES ANOTHER TREMENDOUS YEAR

The ISE Department continued its tradition of honoring its graduates at the Spring Banquet, held this year at the Touch-down Terrace in the football stadium on the UF campus.

The number of guests topped 175 this year, including graduates and their families, faculty, emeriti, and honored guests. In addition to the traditional speeches, award presentations, and slide shows, guests entertained themselves with a photobooth and the opportunity to take pictures, in various attire, showing their Gator spirit and less “academic” side. As you can see by the accompanying pictures, a good time was had by all.

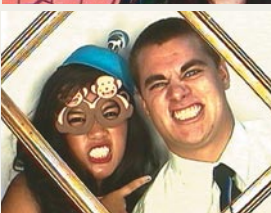
After dinner, Roger Madariaga, ISE Advisory Board Chair, announced the ISE Alumni Leadership Award recipients for 2012. Bruce Laval (BS IE 1969), David Thomas (BS IE 1971, MS IE 1972), and the late Wilma Smith (BS IE 1959) were inducted into the ISE Hall of Fame, which has added 16 members since its inception in 2009. The Hall of Fame inductees are featured on the next page.

The ISE Department recognizes outstanding students each year with awards and scholarships. Sean Douglas earned the Leavenworth-McClaskey Scholarship, which highlights the efforts of a student who demonstrates an interest in quality control and quality management. Douglas has been a Resident Assistant and a tutor in the Broward Teaching Center and has served as the assistant director of research in student government. He is entering his fourth year at UF. Maria Alejandra Cepeda received the Soto/Hernando Scholarship, funded by recent graduates Alejandra Hernandez and Diego Soto, which recognizes a student’s contributions to the Department, College, or University of Florida. Cepeda has served as President of the Colombian Student Association, Director of Engineering Leadership Forum for Benton Engineering Council and is an ISE Ambassador. The Work-Life Balance Award winner, funded by fifteen recent ISE graduates, was Devon Parsons. This award highlights strong academic performance in addition to contributions to the Department and University through organizations and extra-curricular activities. Parsons has been a

leader throughout his career at UF. He has served as a Vice President for IIE, Chair (and founding member) for ISE Ambassadors, and a member of the Student Advisory Council. He has served as an intern for both Frito Lay and three rotations with General Electric, most recently with CSX Operations in Jacksonville. He expects to graduate in the Fall of 2012.

There were three undergraduate scholarships for Sales Engineering students. The Gordon Byrnes Sales Engineering Scholarship went to Daniel Argov. Argov has served two rotations as a sales engineering intern with General Electric’s Industrial Solutions group. He participated in the IPPD program this past year and expects to graduate this coming fall where he will serve as President of Alpha Pi Mu. Edgardo Espinal won the Harbert Gregory Sales Engineering Scholarship. Espinal has served as Executive Vice President and Recruitment/Mentoring Chair of the Freshman Leadership Engineering Council and President of the Society of Hispanic Professional Engineers. He has interned with The Southwestern Company and is founder of Hope in Honduras, a project which aims to increase the number of Honduran students pursuing a college education in engineering. Finally, Federico Neumeyer received the e-Tech Services Sales Engineering Scholarship. Neumeyer has served in leadership positions in both Alpha Pi Mu and the student chapter of the Institute of Industrial Engineers.

The Department honored four graduate students for their efforts this year. The Patterson Award recipient was Maria Peña. Peña earned her undergraduate degree from UF in ISE in the Fall of 2011 and is pursuing her MS in ISE through the 4+1 program. She is currently interning with ExxonMobil, where she has already completed two rotations. Kelly Sullivan won the Donald and Joyce Hearn Graduate Research Award. Sullivan plans to graduate in the summer of 2012, and has accepted a faculty position in Industrial Engineering at the University of Arkansas. He is advised by Dr. J. Cole Smith. Finally, Chin Hon Tan, who earned his Ph.D. in the Spring of 2012, won the Graduate Teaching Award. Tan, advised by Dr. Joseph Hartman, accepted a faculty position with the National University of Singapore.



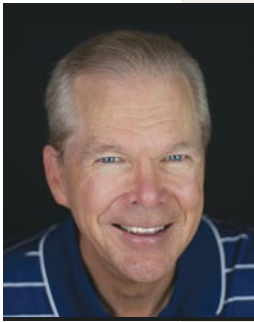




# ISE HALL OF FAME

## CLASS OF 2012

This award recognizes graduates of the Department of Industrial and Systems Engineering in the College of Engineering at the University of Florida that have achieved a distinguished record of leadership in their chosen profession or life's work, whether in the academic, corporate, entrepreneurial, non-profit, government or military sector; and performed outstanding service to the department, college, university or profession. It is expected that an awardee is a person of such integrity, stature, demonstrated ability and renown that the faculty, staff, students and alumni of the Department of Industrial and Systems Engineering will take pride in, and be inspired by, his or her recognition.



***Mr. Bruce Laval***

***B.S. Industrial Engineering 1969***

Mr. Bruce Laval received his B.S. degree in Industrial Engineering in 1969 and his MBA in 1971 from the University of Florida. He did extensive research in the use of computer simulation in engineering at a time when the technology was just emerging. Laval began his career as an Industrial Engineer with The Walt Disney Company, where he was able to put his knowledge of computer simulation to good use, streamlining the wait times and movement of guests at the parks. His success in the company led to his titles, "Father of Guestology," and "Father of Industrial Engineering at Disney."

In 1973, he was promoted to Manager of the Industrial Engineering department and in 1976, worked on Epcot's development team. When Epcot opened in 1982, he was named General Manager. He then oversaw the development of Disney-MGM Studios as Director of Project Development and in 1989, he was named Vice President of Disney-MGM Studios. Laval's responsibilities expanded to cover all Orlando parks in 1994, when he was named Executive Vice President of Theme Parks and then Walt Disney World Operations. Laval retired from his last position as Executive Vice President of Operations Planning and Development for Walt Disney Parks and Resorts in 2001. One of Laval's most celebrated accomplishments is his invention of the Disney FASTPASS system which is found throughout Disney Parks worldwide.

Laval attended the spring banquet with his wife, Peggy Haire, and children, Michael Laval and Missy McConnell. In accepting the award, Laval recounted one of his first projects with Disney – analyzing whether another monorail should be purchased to reduce wait times. His simulation showed that Disney should actually reduce the number of trains, thus saving Disney considerable funds. He later proved it with an actual test of the system. This led to his message for the graduate seniors – offer to test your theories, as they are more likely to be accepted in the workplace.



**Ms. Wilma Smith**  
**B.S. Industrial Engineering 1959**

Ms. Wilma Smith was the first female to graduate with a BIE degree from the Industrial and Systems Engineering department in 1959. As a student, Smith served as Vice President of the student chapter of the Institute for Industrial Engineers, Secretary of the Benton Engineering Council and was an inaugural participant in the Society for Women Engineers.

Using *Cheaper by the Dozen*, by Lillian Gilbreth, as inspiration, Ms. Smith enrolled in engineering courses shortly after she began her employment with the University of Florida in 1942. During her employment, she worked as a stenographer for University of Florida President John Tigert and as an Administrative Assistant for Dean Joseph Weil. After graduating in 1959, Smith pursued an M.S. in Industrial Engineering at the University of South Florida. She stayed on at the University of South Florida to teach for 13 years. She served as an advocate for women pursuing STEM degrees and taught drafting and basic engineering courses in Engineering Technology at St. Petersburg College, Florida.

Smith passed away on January 19, 2011, at the age of 89. She is survived by her daughter, Virginia Courtney; son-in-law, Cecil Courtney; and granddaughter, Deborah Mansell. Smith's family attended the spring banquet, and her daughter, Virginia Courtney, accepted the honor on behalf of Ms. Smith. Ms. Courtney spoke in remembrance of her mother, and mentioned how much she enjoyed being an engineer and working with her students.



**Mr. David M. Thomas**  
**B.S. Industrial Engineering 1971**  
**M.S. Engineering 1972**

Mr. David Thomas received his B.S. in Industrial Engineering in 1971 and his M.S. in Industrial Engineering in 1972 from the University of Florida. He also lettered as a pitcher on the Gator baseball team. Upon graduation, Thomas began his career as a Sales Engineer with IBM. He was promoted to Senior Vice President and Group Executive and became a member of IBM's Corporate Executive Committee. In this role, he was responsible for overseeing worldwide business operations.

Thomas then joined IMS Health, a global leader in information and consulting solutions for the pharmaceutical and healthcare industries as Chairman and CEO. He received the University of Florida's Distinguished Graduate Award in 1996. Today, he and his wife, Carol, also a UF graduate, live in Windermere, FL. They have three children – all graduates of UF Master's programs.

While Thomas could not attend the banquet due to an international commitment, he forwarded a video where he reminded graduates that their engineering degrees equip them for success in any career path, due to their complex problem solving skills, technical skills, and executive leadership skills. He also gave credit to all of his professors in the department for his success, restating the saying, "If you find a turtle on a fencepost, you know he had help."

# DEPARTMENT NEWS



Pardalos



Hartman with IIE President Taylor



Abernathy and Cacicedo

## Pardalos Receives Honorary Degree

Distinguished Professor Panos Pardalos received an honorary doctorate from Wilfrid Laurier University in Waterloo, Canada. He delivered the keynote address at the University's Commencement in June.

## Hartman Honored for Work in Engineering Economics

Professor Joseph Hartman was named the winner of the Wellington Award from the Engineering Economy Division of the Institute of Industrial Engineers for 2012. The award is conferred for "outstanding contribution in the field of engineering economy." Hartman currently serves as Editor of The Engineering Economist and has published a textbook in the field, in addition to numerous research articles on equipment replacement analysis and capital investment analysis. He is the second University of Florida educator to win the award, as the late Professor Richard Leavenworth won the honor in 1999.

## Oklahoma Names Capehart Distinguished Graduate

Professor Emeritus Barney Capehart inducted into the University of Oklahoma College of Engineering Distinguished Graduate Society. Capehart received a plaque at the induction ceremony during the College of Engineering Convocation on May 12, 2012, at the University of Oklahoma. Selection for this honor is based on professional and technical achievement, public service, contribution and support for education, and contributions to the profession of engineering. Capehart is known for his work in energy management and is a fellow of both IIE and IEEE.

## Vogiatzis Earns Graduate Student Teaching Award

ISE Ph.D. student Chrysafis Vogiatzis earned a Graduate Student Teaching Award from UF, one of 17 selected for the honor and the only student from the College of Engineering. The award winners were honored at a reception in April. Vogiatzis is performing

research under the direction of Dr. Panos Pardalos. He won the Departmental award for graduate student teaching last year.

## Farshi Named Outstanding M.S. Scholar

Shahrazad Farshi was named the College of Engineering Outstanding M.S. Scholar at this year's commencement ceremony. She plans to graduate this summer with her M.S. in ISE. She holds a B.S. in Mathematics and French from Wellesley College in Massachusetts and last year won the Patterson Graduate Fellowship. From 2004 to 2008, Shahrazad owned a translation consulting proprietorship where she gained experience as a legal interpreter for various non-profit organizations and prominent human rights lawyers and activists interested in human rights violations in Iran. She has also worked at P&G, GE and Dessault Systems.

## OEM Team Wins Eugene Grant Award

Outreach Engineering Management graduates Kati Brunson, Betsy DeLee, Josh Nachtigal and Bradley Hill and their project advisor, Dr. Joseph C. Hartman, won the Eugene L. Grant Award from the American Society of Engineering Education's Engineering Economy Division for publishing the best paper in the peer reviewed journal The Engineering Economist last year. The paper "Case Study: Transport Carrier Replacement Analysis" was based on a project completed in the OEM program.

## Zhao Wins Best Student Paper Award from IIE

Second year Ph.D. student, Ms. Chaoyue Zhao, advised by Professor Yongpei Guan, won the best student paper award for "Two-stage Robust Optimization for Power Grid with Uncertain Demand Response" from the Computer and Information Systems Division of IIE for this year's Industrial and Systems Engineering Research Conference held in Orlando in May. Before joining the department, Chaoyue obtained her Bachelor's degree in Information and Computational Sciences from Fudan University in Shanghai, China, in 2010.





Capehart



Vogiatzis



Students attending IIE Conference



Abernathy, Vittetoe, and Earle



Farshi



Zhao



Augustin



Jesaitis

### Bagiardi, Gillett, and Schra Earn IIE Scholarships

ISE Undergraduates Stephanie Bagiardi, Elizabeth Gillett and Daniel Schra were awarded scholarships from Institute of Industrial Engineers. The winners were announced at the Honors and Awards Banquet at the Annual Conference in Orlando on May 21. Bagiardi was awarded the Dwight D. Gardner Scholarship, Gillett the Harold & Inge Marcus Scholarship and Schra the IIE Council of Fellows Scholarship. Bagiardi has already performed three internships with HD Supply, Disney and Amazon. Gillett enters the graduate program this fall after interning with BAE Systems in York, PA. Schra plans to graduate in 2014 and recently interned with Lockheed Martin.

### Augustin Takes First Place at Florida Venture Forum

ISE undergraduate Aidan Augustin dazzled the audience at the Florida Venture Forum Early Stage Venture Capital Conference in May. Augustin's presentation on his company, Feathr, won the "Audience/People's Choice Award" over 17 other participants. The Feathr App is designed "to create and share interactive digital business cards integrated with tools for contact management" by helping business people digitally track and follow up with their business contacts instead of keeping a business card file, according to Augustin. The ISE junior is being mentored by Jamie Grooms, Erik Sander, and David Whitney.

### Cacicedo Wins Multiple Honors

ISE graduating senior Victoria Cacicedo received the Dean Joseph Weil Engineering Leadership Award at the Spring 2012 Commencement Ceremony for the College of Engineering. She was also named to the UF Hall of Fame, a distinction limited to no more than 25 graduating students each year. Both honors are bestowed for leadership and achievement. Cacicedo has shown leadership at UF by serving in many student organizations, such as Florida Cicerone,

Florida Blue Key, and Student Government. She also founded and led the Association of Cuban Engineering Students, and researched in the Particle Engineering Research Center for the College of Medicine. She is starting work with Goldman Sachs this summer.

### Vittetoe Receives Engineering Leadership Award

Andrew Vittetoe, a graduating senior, received the Dean Jonathan F.K. Earle Engineering Leadership Award at the Spring 2012 Commencement Ceremony for the College of Engineering. He has completed four internships, held numerous roles in the Institute of Industrial Engineers student organization, founded and led the UF chapter of the Institute for Operations Research and Management Science (INFORMS), and served on the ISE Student Advisory Council. Vittetoe's leadership extends beyond the College of Engineering and into various political science organizations, as well. He has accepted a position with Herren Associates in Washington, D.C.

### Jesaitis Wins Suncoasters Scholarship

ISE undergraduate Kathryn Jesaitis was named "Sungoddess Ambassador" by the Suncoasters of St. Petersburg, a civic organization, on March 16. She was chosen for both her academic and volunteering efforts. The award carries a \$5000 scholarship.

### Allen and Orso Win Research Scholarships

ISE undergraduates Emily Allen and Andrew Orso were both recently named scholarship award winners in the College of Engineering. Orso was one of eight to win a 2012 Lockheed Martin Engineering Scholarship under the supervision of Dr. Cole Smith, and Allen was one of ten to win a 2012 Progress Energy Engineering Scholarship under the supervision of Dr. Panos Pardalos. Both awards recognize students for their excellence in performing research within the College of Engineering. This is the first time that both the Lockheed Martin and Progressive Energy scholarship awards have been awarded in conjunction with the University Scholars Program.

## ALUMNI UPDATES



Andy Crawford



Vernon Kelly



Louis Martin-Vega



Erin Wallace

**Felix “Andy” Crawford (BIE 1961)** was named a University of Florida Distinguished Alumnus at the College of Engineering commencement on Sunday, May 6, 2012. Crawford started his engineering career with Armstrong Cork Company in Lancaster, PA, but made his mark in the waste management industry, founding Southland Waste Systems and Advanced Disposal Services. He currently heads the private investment company CAVCO. He is a member of the ISE Hall of Fame.

**Vernon Kelly (BS IE 1963)** delivered the Gregory Lecture on Tuesday, April 24, to students in Sales Engineering. He reviewed his career, which included over 20 years as President of PGA Tour Golf Course Properties, and shared advice. Kelly’s accomplishments include building TPC Sawgrass in Ponte Vedra and 40 other courses throughout the world (including Japan, China and Thailand) with renowned architects including Pete Dye, Jack Nicklaus, Arnold Palmer and Bobby Weed, in addition to the World Golf Hall of Fame in St. Augustine. He retired from his post in 2006, but still consults.

**Louis Martin-Vega (ME ISE 1973, PhD ISE 1975)** won the Frank and Lillian Gilbreth Industrial Engineering Award, the highest honor bestowed by the Institute of Industrial Engineers. The current Dean of Engineering at North Carolina State University was presented the award at the IIE Annual Conference’s Honors and Awards Banquet held on May 21, 2012 in Orlando, Florida. The award “recognizes those who have distinguished themselves through contributions to the welfare of mankind in the field of industrial engineering. The contributions are of the highest caliber and nationally or internationally recognized,” according to IIE. He is a member of the inaugural class of ISE Hall of Fame inductees.

**Erin Wallace (BS ISE 1982)** was named a University of Florida Distinguished Alumnus at the College of Engineering commencement on Sunday, May 6, 2012. Wallace started with Frito Lay, but has engineered a stellar career in management with Walt Disney World Parks and Resorts. She currently serves as Executive Vice President for Operations Integration and a member of the ISE Advisory Board. She is also a member of the ISE Hall of Fame.

**Joshua Bass (BS ISE 1997)** is now Director, Strategic Planning and Sales Analysis at JM Family Enterprises in South Florida. He was formerly with OpenPeak.

**Derek Chen (PhD ISE 2003)** is now a Senior Portfolio Manager at ING Investment Management. He was previously with Barclays Capital.

**Arun Narayanan (MS ISE 2010) and Jo Smith (BS ISE 2009)** both passed the Certified Six Sigma Black Belt exam from the American Society of Quality. Smith works for Cameron in Houston while Narayanan works for d.e. Foxx & Associates in Dallas.

**Zhili Zhou (PhD ISE 2010)** took second place for the 2011 Pritsker Doctoral Dissertation Award from the Institute of Industrial Engineers for her dissertation entitled “Multi-Stage Discrete Optimization Under Uncertainty and Lot-Sizing.” The award recognizes outstanding doctoral dissertation research in industrial engineering. She was honored at the IIE Annual Conference held in May 2011 in Reno, NV. She currently works with the IBM Watson Research Center in Singapore. She was advised by Professor Yongpei Guan.

**Siddharth Anand (MS ISE 2011)** is now a project manager at Lab126 in Cupertino, California. He was previously with Novartis.

**Consuela Smith (MS ISE 2011)**, a graduate of the ISE Department’s OEM Program and Advisory Board member, was named 2011-2012 Mentor of the Year for her participation in the Gator Launch program. Ms. Smith mentored Briana Cornish, who nominated her for the honor.

**Siqian Shen (PhD ISE 2011)** took first place for the Pritsker Doctoral Dissertation Award given by the Institute of Industrial Engineers. Shen was honored at the IIE Annual Conference held in May in Orlando, FL. Her dissertation was entitled “Reformulation and Cutting-Plane Approaches for Solving Two-Stage Optimization and Network Interdiction Problems” and was advised by Professor J. Cole Smith. Shen is currently an Assistant Professor of Industrial and Operations Engineering at the University of Michigan.





## BOARD ENVISIONED TO FOSTER YOUNG ALUMNI INVOLVEMENT

Many recent Industrial & Systems Engineering graduates from the University of Florida have expressed a strong desire to:

- Stay connected to the department;
- Give back to the department (both financially and through service);
- Continue developing their technical and leadership skills;
- Continue to develop their professional networks.

However, much of this passion and excitement is lost because, currently, there is no venue for young alumni to express, nor organize, their support.

These recent alumni are in tune with the needs of current students, have gained real world work experience with their companies, and have started to build their professional networks. In some cases they are serving as recruiters for their respective employers. Therefore, they are in a unique position to provide feedback and support to current students, the Department, as well as benefit from special programs to enhance their technical, leadership and professional development.

Thus, the ISE Department is creating the Young Alumni Advisory Board (YAAB). This new board will act as a venue for recent graduates to stay connected to the ISE department by:

- Providing feedback on a wide range of topics;
- Partnering with current students in a variety of projects;
- Garnering funding for certain student organization programs;
- Organizing technical and professional development seminars for young alumni.

The goal is to complement the work of the department's current Industrial Advisory Board (IAB).

We are currently developing a formal charter and organizational structure for the YAAB. As currently envisioned, the board will consist of an executive board and number of committees to facilitate the aforementioned activities. Some of the executive board members will serve as liaisons to the IAB. The following committees are envisioned:

- The Engagement committee will focus on connecting with students, ensuring there is a link between IIE and alumni, supporting the mentor program, and offering time to speak at student events or classes.

- The Support committee will foster the act of giving in young alumni. They will suggest support avenues, such as assisting student attendance at conferences or providing scholarships.
- The Pipeline Management committee will guarantee that we do not lose sight of alumni as they graduate, create a database tool for alumni management, and ensure that their passion for the program is not lost as they move on to the next stage in their lives.
- The Professional Development committee will focus on organizing seminars and other functions intended to help young alumni develop both technically and professionally.
- The Feedback committee will corral the information garnered from Career Fair. Recruiters, many of which are young alumni, have insights that may be useful for curriculum and student development in the Department.

Young alumni can get involved by becoming a board member or serving on a committee. All YAAB Board officer positions will be filled via an application process and selected by the ISE Department Chair and YAAB founders. Committee membership does not require an application and is not limited to a given number of people. Note that "young alumni" is defined as being within 15 years of graduation.

We would appreciate your thoughts, suggestions and participation in the YAAB program via [YAABGator@gmail.com](mailto:YAABGator@gmail.com). A formal solicitation with details on the application process will occur in the coming months, but please express your interest early.

A YAAB Kick-Off event is tentatively scheduled for Friday, October 5th, open to all young alumni who want to learn more about the program and are interested in getting involved. We expect a meeting during the day, and a social event in the evening. Note that this is the Friday after the fall career fair, prior to the LSU home game.

Go Gators!

Kathryn (Piotti) Blackwell (BS ISE 2009)

Jessica Hinkle (BS ISE 2009)

Natalie Keller (BS ISE 2010)

Guillermo Moratorio (BS ISE 2008)

## INDUSTRIAL ADVISORY BOARD CORNER

For the past two decades, the Department of Industrial & Systems Engineering has had an Industrial Advisory Board (IAB) consisting of alumni, senior leaders of partner companies in diverse industries, and academic leaders from peer universities. The IAB provides strategic direction input on:

- Curriculum evolution;
- Industry partnering;
- Alumni relations;
- Endowment program development.

The IAB has been instrumental in fostering relationships between the ISE Department and a wide cross section of companies from startups, to very large-scale companies. The department's innovative curriculum

has been highly acclaimed and we are close to announcing major additions to the department's endowment!

The work of the YAAB will complement and extend the work of the IAB, gain input and insight from recent graduates, and provide a unique platform to fast track the growth and development of recent alumni. This new platform will be a strategic advantage for our students and graduates.

We look forward to working with the YAAB to expand the reach of the ISE Department.

Roger N. Madariaga  
Chair, IAB





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**SAVE THE DATE**

Friday, October 19th - Summit on Diversity and Inclusion

Saturday, October 20th - ISE Department Open House and Tailgate Reunion

Registration coming soon

<http://www.eng.ufl.edu/>