

ABE UPDATE

SPRING 2020



UF UNIVERSITY of
FLORIDA
AGRICULTURAL
AND BIOLOGICAL
ENGINEERING

The Alumni Issue

Showcasing our alumni from Agricultural
Operations Management and Biological Engineering

Spring 2020

UF/IFAS Agricultural and
Biological Engineering
Department

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Alumni Spotlights

ROBERT HORTON4
Robert Horton received one of the University of Florida's highest honors, the Distinguished Alumni Award.

VICTORIA KEENER, PH.D......6

DREW SCATIZZI7

JAWOO KOO, PH.D......8

MELISSA DE FREITAS.....9

DEREK ORSENIGO10

TAYLOR CHAISSON.....11

BUILDING ABE'S FUTURE12
UF ABE's plan for a new experiential learning facility.

Department News

AWARDS AND ACCOMPLISHMENTS.....15

BITS OF NEWS15

NEW HIRE16

Graduating Students

DOCTORAL AND MASTER'S DEGREES16

BACHELOR'S DEGREES17

Dear ABE friends,

The Agricultural and Biological Engineering Department has transformed this spring. As many of you have changed your daily routines due to COVID-19, so have we. Our faculty and staff have gone above and beyond to convert courses to distance learning format, provide advising, and maintain research while working remotely. Likewise, our graduate students have continued to impress us with their ability to lead seminar series, continue with the graduate student mentoring program, and maintain their coursework and research efforts – all using remote working environments. This shows the strong spirit in the department and the creative ability of our team to find solutions given unprecedented events.

This issue of the ABE Update is dedicated to our alumni. Our graduates take with them the knowledge and expertise they acquire while a student and apply this in a professional setting to contribute to a better world. The spotlight in this issue is on Mr. Robert Horton who was honored by President Fuchs and University of Florida as a Distinguished Alumni in 2019. We include his story as well as others including Dr. Victoria Keener from the East West Center in Honolulu, Hawai'i, Dr. Jawoo Koo from the International Food Policy Research Institute, Taylor Chaisson from HM.CLAUSE, and more.

While our on-campus team sought out innovative ways to continue our mission, I am confident ABE alumni were leading similar efforts in their communities. This issue highlights the breadth of our alumni in their application of technology and engineering principles to the profession. We are very proud of our alumni, and while only a few are showcased here, this issue is dedicated to all ABE alumni who continue to contribute to the discipline through their knowledge, expertise, and commitment to our communities.

We encourage you to stay connected with us through departmental social media via Twitter, Facebook, Instagram, and LinkedIn. ABE also invites alumni to stay connected through our 'Partner With Us' program abe.ufl.edu/partner-with-us. For more information about engaging through this program, contact Shannon Noble at shannon.noble@ufl.edu.

Stay well Gator friends!

Kati Migliaccio

Chair and Professor

 @hydroKati



KATI MIGLIACCIO, PH.D.
CHAIR AND PROFESSOR



Texas Airport Environmental Affairs Executive Named UF Distinguished Alumnus

At the helm of the Dallas/Fort Worth International Airport’s (DFW Airport) sustainability, future mobility and disruptive technology initiatives is Robert Horton. On Dec. 14, Horton was recognized as a distinguished alumnus of the University of Florida during a commencement ceremony.

The Distinguished Alumnus Award is one of the highest honors bestowed upon a graduate of the university and recognizes recipients who have excelled in their chosen field or have performed outstanding service for the university.

The UF alumnus graduated with bachelor’s and master’s degrees in agricultural and biological engineering, a department in the UF Institute of Food and Agricultural Sciences (UF/IFAS). Graduate students in this department can earn their degree from the UF/IFAS College

of Agricultural and Life Sciences (CALs) or the Herbert Wertheim College of Engineering.

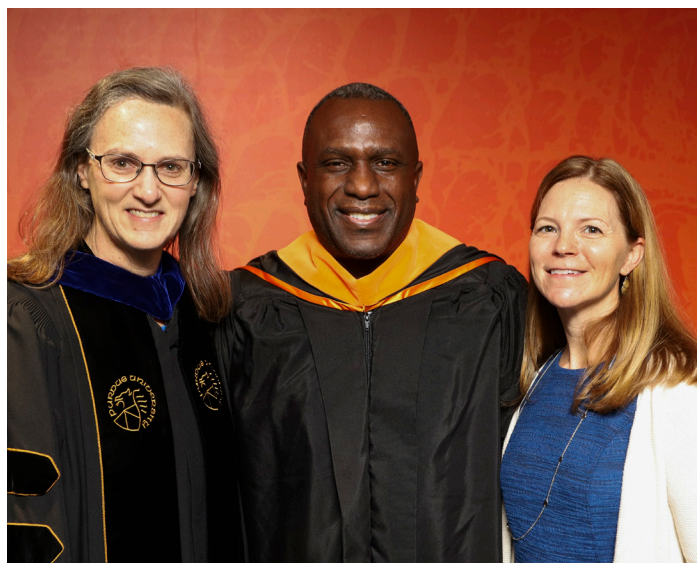
“Robert is truly an outstanding alumnus of the University of Florida. Not only has he used his knowledge and skills to implement practices for a more sustainable world, he is humble and genuine in his interest to help others,” said Kati Migliaccio, professor and chair of the UF/IFAS Agricultural and Biological Engineering Department. “Through Robert’s work with various entities, he has turned vision into reality by seeking unique opportunities to aggregate information into more useful on-the-ground products.”

In Horton’s current role as DFW Airport’s vice president of environmental affairs, he has led the airport to become the first carbon neutral airport in North America, and the largest airport in the world to achieve carbon

neutrality to date. His efforts helped the airport become the 2019 Global Airport of the Year by Air Transport World.

Through regular collaborations with local and federal agencies, Horton creates strategic goals that foster environmental stewardship and sustainable development. In 2018, Horton was named commissioner for the U.S. Commission on Transportation Sector Efficiency where he leads the development of policy recommendations to transform the U.S. transportation system.

Horton played an instrumental role in the creation of a partnership between the Na-



(From left to right) Dr. Elaine Turner, College of Agricultural and Life Sciences Dean, Robert Horton, Dallas Ft. Worth Airport Vice President of Environmental Affairs, and Dr. Kati Migliaccio, UF/IFAS Department of Agricultural and Biological Engineering Professor and Chair.

“Robert is truly an outstanding alumnus of the University of Florida. Not only has he used his knowledge and skills to implement practices for a more sustainable world, he is humble and genuine in his interest to help others.”

tional Renewable Energy Laboratory and Oak Ridge National Laboratory to conduct a study that led to a \$5 million award from the U.S. Department of Energy

(DOE) Technology Integration. The award supports the Advancing Transportation Hubs’ Efficiency using Novel Analytics (ATHENA) program at the DFW Airport. This project will be used by DOE to improve transportation hubs across the U.S. by identifying new technology to improve energy use, convenience and affordability.

In Horton’s drive to create lasting impact on sustainability efforts in the transportation sector,

DFW Airport was awarded the 2017 EPA Climate Leadership Award for Organizational Leadership. Horton has also been named a distinguished alumnus of the UF/IFAS Agricultural and Biological Engineering Department.

Prior to his time as a UF student, Horton served in Saudi Arabia with the U.S. Marines during Desert Storm. After graduating with his master’s degree in 1997, Horton worked as an environmental engineer on a variety of emerging environmental issues in the Orlando area.

“Robert Horton is a very complete systems thinker, who thrived on the challenges he faced as a student, and has parlayed his skills into making significant contributions nationally,” said Horton’s former professor Pierce Jones, director of the UF/IFAS Program for Resource Efficient Communities.

Robert Horton, ABE Advisory Board Member
 @RobertHortonDFW



Dr. Victoria Keener, East West Center

Alumna Victoria Keener graduated from the ABE department with her Doctor of Philosophy in 2010, specializing in hydro-climatological modeling and time series analysis.

Keener now works as a research fellow at the East West Center in Honolulu, Hawai'i, where she serves as the lead principal investigator for the Pacific Regional Integrated Sciences and Assessments (Pacific RISA) program. The Pacific RISA program supports communities in Hawaii and the Pacific Islands in adapting to the impacts of climate variability and change.

“We are an interdisciplinary team of social and physical scientists as well as legal and policy scholars that works with policymakers and natural resource managers to produce climate research that is actionable at local and regional scales,” Keener said.

The Pacific RISA is a boundary organization, which does basic scientific research but also works experimentally to determine more effective ways to help translate results into science-based policy and resource management. According to Keener, science boundary organizations are essential in generating and translating rigorous and trusted global climate research into relevant management and policy outcomes at local and regional levels, where the on-the-ground adaptation and resiliency work is being implemented.

“We specifically work in small island states, which have historically contributed very little to global greenhouse gas

emissions and are experiencing some of the worst climate impacts,” Keener said. “Islands have an important and overlooked role in U.S. history, yet are often forgotten about in federal policy discussions. We work internationally, as well as in territories, freely associated states (FAS) and commonwealths that are often not thought of as being part of the United States, and I’m proud of the work we have done to improve climate adaptation and freshwater planning, create networks, and to speak up for islands at the national level.”

Originally, Keener studied and worked in the biomedical field before pursuing her Ph.D. but changed fields of study because she desired to work on environmental issues.

“I was good at melding theoretical and applied science, and saw an opportunity to work in a field where I could do both and do environmental research at the same time,” Keener said. “Climate for me was secondary to hydrology and ecologically-based engineering solutions, but once I got involved it was just too interesting to not pursue.”

When pursuing her doctoral degree, Keener wanted to be a part of an interdisciplinary program that was environmentally focused, had an ecological element, and used a systems approach.

“The whole department was so nice and positive,” Keener said. “My advisor, Dr. Jim Jones, was a wonderful example of how to lead a program and bring people together.”



Drew Scatizzi, CenterPoint Energy

Alumnus Drew Scatizzi graduated from the ABE department with his Bachelor of Science degree in 2016 and his Master of Science in 2017. Scatizzi works as a program manager for CenterPoint Energy where he manages residential and commercial portfolios of energy efficiency programs for a large Texas electric utility.

In Texas, electric utilities are required to reduce 10% of their annual load growth, which CenterPoint Energy accomplishes through cash incentives for energy efficient construction, equipment retrofits, and building optimization consulting.

“My work supports our reliability of our electric grid – 50% of our summer peak demand is from air conditioning, and 30% of our electric generation comes from interruptible sources like wind,” Scatizzi said. “It’s imperative we have these programs in place to avoid brown-outs and other interruptions to power.”

During his time in ABE, Scatizzi took many classes on the management of farm inputs and enjoyed the energy portion of the curriculum.

Before joining the ABE department, Scatizzi served as a Sergeant in the Marine Corps where he gained a foundation in management. Through his ABE programs, he found a great spirit of collaboration among his mentors and peers.

“When I was an undergrad and a graduate student, I worked on multiple projects with several different professors that ultimately benefited a diverse group of stakeholders and Florida agriculture,” Scatizzi said. “Whether it was helping write an EDIS, or doing an energy audit for an extension agent, there was a level of teamwork and selfless service instilled at all levels of the department that has really helped my career.”

Along with instructing Scatizzi during his undergraduate program, senior lecturer and Agricultural Operations Management Undergraduate Coordinator Wendell Porter served as Scatizzi’s advisor during his master’s degree program.

“Dr. Porter was my main advisor and someone I really look up to – without him I wouldn’t be where I am today.”

In the future, Scatizzi plans to continue this work in energy and may venture into working in the agricultural industry again.

“I hope to apply my experience in utilities in helping out our farmers and everyone else who lives and works at the grid edge manage their energy consumption.”



Photo credit: Georgina Smith/CIAT



Dr. Jawoo Koo, International Food Policy Research Institute

Alumnus Jawoo Koo graduated from the ABE department with his Master of Science in 2002 and his Doctor of Philosophy in 2007.

Koo is a senior research fellow in the Environment and Production Technology Division at the International Food Policy Research Institute (IFPRI) and specializes in spatial data and analytics, crop modeling, and big data in agriculture.

“On the research side, my primary role in the division is to simulate smallholder farmers’ adoption of agricultural technologies under various scenarios,” Koo said. “My simulation results are used to assess the potential impacts of technology adoption at multiple scales, from on-farm, household, and all the way to off-farm landscape-level.”

The IFPRI provides research-based policy solutions to sustainability reduce poverty and end hunger and malnutrition in developing countries. This institute strives for a vision of a world free of hunger and malnutrition. IFPRI is a research center of CGIAR, a worldwide partnership engaged in agricultural research for development.

Koo also helped pioneer the CGIAR Platform for Big Data in Agriculture. This five-year platform began in 2017 with the goal of harnessing the capabilities of big data to accelerate and enhance the impact of international agricultural research.

By the time of its conclusion in 2021, the CGIAR Platform for Big Data in Agriculture aims to increase the impact of agri-

cultural development by embracing big data approaches to solve development problems faster, better and at greater scale than before.

Over time, Koo’s expertise has evolved along with his work at IFPRI, allowing him to specialize in spatial data and analytics, crop modeling, big data, and other similar topics.

“While the core of my research is still on the modeling of farming systems, research questions that we face at IFPRI, and in agriculture, more generally, are getting more sophisticated and complicated across disciplines and scales,” Koo said.

Before attending ABE for his M.S. and Ph.D. degrees, Koo earned his Bachelor of Agricultural in Agricultural Biology from Korea University, Seoul, Korea, where he studied plant pathology. During this time, he became fascinated by the power of applied agricultural science.

“For my master’s program, I wanted to study an applied agricultural science area that I could potentially combine both of my interests, and I was so lucky to find the Cropping Systems Modeling Lab at UF ABE,” Koo said. “It wasn’t easy in the beginning, with all the new engineering courses I needed to take, but with everyone in the department so welcoming, warm, and helpful, I always felt Gainesville was the place I was meant to be. Once I completed my master’s degree program, it was a very easy decision to continue my doctoral degree.”



Melissa De Freitas, Johnson and Johnson Vision

Alumna Melissa De Freitas graduated from the ABE department in 2004 with her Bachelor of Science in Biological Engineering with a focus on packaging science. De Freitas now works as a staff package engineer at Johnson and Johnson Vision. In this position, De Freitas leads a technical team to develop, implement, maintain, and sustain secondary and tertiary packaging materials for new product development and base business.

Johnson and Johnson Vision’s mission is to bring “science and sense of sight to life through world-class innovation and customer experience.”

De Freitas began as a contractor working in quality control in research and development focusing on new product innovations needing different and specific packaging. She was later hired full time as Junior Package Engineer, working to find viable primary packaging solutions for these new types of products alongside Senior Scientists and Engineers. Through increasing roles and responsibilities, De Freitas was promoted to her current position as staff package engineer.

Currently, De Freitas is the subject matter expert for changes, improvements, CIPs, and sustainability in make for secondary packaging. She also works as an advanced technical

lead for planning development and design of equipment and processes that support corrections, improvements, and risk management.

De Freitas chose to study packaging science because of its blend of science and business. Looking back on her time in ABE, De Freitas appreciates the communication skills she gained during her education.

“Without being able to communicate effectively and in turn interpret what is being communicated back to you, it is impossible to be successful in the field,” De Freitas said. “For instance, my main job function is to ‘translate’ marketing design ideas into concepts and then deploy in manufacturing and ultimately onto a store shelf. Within that phase, there are many iterations via many various forms of communication to ensure initial design intent/concepts are kept and not lost in translation.”

In the future, De Freitas hopes to continue to grow and expand in her role as a manager. She hopes to lead a larger group of package engineers across various Johnson and Johnson Eye Health Care sites.



Derek Orsenigo, Orsenigo Farms and Grower's Management, Inc.

Alumnus Derek Orsenigo graduated from the ABE department in 2009 with his Bachelor of Science in Agricultural Operations Management (AOM). Now, Orsenigo works as a production manager at Orsenigo Farms and Grower's Management, Inc. in Belle Glade, Florida.

Orsenigo Farms grows a wide variety of lettuce and leafy vegetables including romaine lettuce, iceberg lettuce, green and red leaf lettuce, bibb lettuce, butter lettuce, endive, escarole, Chinese cabbage, parsley, cilantro, and a variety of baby spring mix items such as spinach and arugula.

Grower's Management, Inc., also partly-owned by the Orsenigo family, grows and packs a variety of leafy vegetables and fresh market green beans with a commitment through hands-on management and oversight on the farm and in the field.

Between these two companies, Orsenigo is responsible for the production of sugar cane, sweet corn, and parsley. This work includes scheduling and coordinating the planting and harvesting activities, hands-on management of growing the crops, business management related to the crops, and other crop-related inputs.

Orsenigo knew from a young age that he wanted to pursue a career in agriculture.

"I grew up working on the farm that was started by my father, who was also a University of Florida graduate, so I always knew I wanted to be involved in production agriculture," Orsenigo said.

Orsenigo was able to prepare for his career in production agriculture by engaging in experiential learning in the AOM education program.

"The Agricultural Operations Management program helped to prepare me for this field by offering a broad range of subject matter that is directly applicable to what I do on a day-to-day basis," Orsenigo said. "By offering good book material along with hands-on labs each week, I was able to grasp the real-world concepts that I have experienced in the working field since graduating."



Taylor Chaisson, HM.CLAUSE

Alumna Taylor Chaisson graduated from the ABE department in 2018 with her Bachelor of Science degree in Agricultural Operations Management. After graduating, Chaisson began working for HM.CLAUSE as a sweet corn product manager.

As a sweet corn product manager, Chaisson works to understand the global sweet corn market's size and needs at both the grower and consumer levels. She then takes the market knowledge to the plant breeders for research and development, who then use this knowledge, as well as genetics and plant science, to develop new varieties of corn that will fit the needs of growers and consumers.

The best of these new varieties are tested by the Product Development team in many locations around the world while the Seed Production team ensures the varieties are producible. These varieties are narrowed down again according to feedback, market competitiveness, and commercial viability. As product manager, Chaisson organizes the process of advancement and as well as assisting in the development and growth of the business in the long term.

"During my first week on the job, my fellow product manager for garden beans explained the role as the conductor of an orchestra. It is still my favorite explanation because it is so true," Chaisson said.

While attending UF, Chaisson changed her education track from Biological Engineering to Agricultural Operations Management (AOM) with a desire to take more hands-on and practical courses. In her current position, Chaisson appreciates the business and management principles that the AOM program taught her. Though she does not specifically use every AOM topic she learned about during her program, Chaisson appreciates the base knowledge that the AOM program provided her.

"When I am standing in a field having conversations with experts, it is so nice to have a point of reference and be able to interact knowledgeably on different topics," Chaisson said.

Looking forward, Chaisson plans to continue in her role, gain experience, and understand the industry.

"I want to soak up as much knowledge as possible about marketing, product management, and all the possible roles in the business," Chaisson said.

Building ABE's Future

UF AGRICULTURAL AND BIOLOGICAL ENGINEERING'S NEW TEACHING BUILDING

The Department of Agricultural and Biological Engineering (ABE) is a key collaborator in the UF/IFAS mission. By developing, teaching and applying engineering principles to our constituency in order to improve and sustain systems within agriculture and natural resources, we are creating a stable environment for future generations. As we transform into one of the top departments in the nation, we aim to reflect the University of Florida's preeminence goals and Top 10 ranking by increasing undergraduate enrollment and meeting the growing needs of society.

Innovative teaching space is a critical component of our success. As we prepare our students with the best education and ensure they have access to premier programs and equipment, we need to provide the space needed for their growth as successful professionals. While we recruit and retain the most qualified students, we must have the top facilities to compete with our peer institutions. Specifically, state-of-the-art resources with ample space to work

Existing facilities, such as the Agricultural Operations Management (AOM) teaching building, lack the basic elements of a nationally ranked academic institution. The absence of climate control and HVAC systems in addition to obsolete technology, dated design structure and disrepair does not satisfy the minimal needs of our students. Most nationally ranked ABE departments have designated maker space for students to explore design and other hands-on activities. These spaces provide an environment where students can work as teams, explore multiple applications of engineering electrical, mechanical, hydrologic, etc.-and develop the technical and soft skills that will benefit them

as they enter the engineering discipline. Our AOM and BE programs lack this space, and it is a significant limitation to our undergraduate program.

ABE seeks private funding in the amount of \$2M, from a single source or multiple entities, to build a new AOM teaching space and create a new Biological Engineering teaching classroom on campus. The proposed teaching building-positioned just north of the current AOM teaching building on the corner of Museum and Hull Roads-would consist of two hands-on, experiential learning environments. One classroom would replace the AOM hands-on construction classroom, while the second classroom would provide a much-needed space for BE design. The proposed new building would not only address the basic functionality described, but it would also provide the best teaching equipment to ensure students are prepared to compete and excel in the workforce.

For more information about how you can support this project, please contact:

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1



2



4



3



- 1 BUILDING PLAN
- 2 AGRICULTURAL OPERATIONS MANAGEMENT WORKSHOP
- 3 BIOLOGICAL ENGINEERING DESIGN LAB
- 4 BUILDING EXTERIOR

SEMESTER IN REVIEW



(From left to right, top to bottom) Board on Agriculture and Natural Resources of the National Academies of Science (BANR) Chair Chuck Rice welcomed attendees to BANR's Pathways Towards the Next Generation of Agriculture and Natural Resources in Florida Symposium at the University of Florida. | ABE Assistant Professor and Biological Engineering Undergraduate Coordinator Ana Martin-Ryals congratulates the students who graduated in the Spring 2020 semester. | Professorial Research Fellow Graeme Hammer, from the Queensland Alliance for Agriculture and Food Innovation, presented the keynote lecture BANR's Pathways Towards the Next Generation of Agriculture and Natural Resources in Florida Symposium. | To celebrate Women's History Month, UF/IFAS College of Agricultural and Life Sciences featured the ABE department's three most recent chairs: (From left to right) Wendy Graham, Kati Migliaccio, and Dorota Haman. | The ABE advisory board and faculty met virtually to discuss department updates and plans. | ABE hosted its first Night of Networking event in order to connect students with potential employers for career and internship opportunities.

Awards and Accomplishments

- Assistant Professor **Yiannis Ampatzidis** received a National Robotics Initiative award to develop a multi-robot weed management system.
- Assistant Professor **Haimanote Bayabil** has received USDA NIFA funding for his proposal that looks into the multifaceted impacts of sea level rise on soil hydrology and biophysicochemical properties, greenhouse gas emission, and nutrient leaching from agricultural lands.
- Assistant Professor **Sandra Guzmán** received Support for Emerging Enterprise Development Integration Teams (SEEDIT) funding for her work on “Pongamia: An Emerging Enterprise for Citrus Growers Seeking an Alternative Crop.”
- Senior Lecturer **Richard Scholtz** has been named to the Cohort 12 of LEAD IFAS.
- Associate Professor **Melanie Correll** received the UF/IFAS College of Agricultural and Life Sciences Undergraduate Teacher of the Year Award.
- Education/Training Specialist **Shannon Noble** received the UF/IFAS College of Agricultural and Life Sciences Excellence in Graduate Program Support Award.
- ABE Alumnus **Craig McKenzie** with Engineered Design Services LLC was named a Gator 100 honoree.
- Graduate Student **Karyn Moses** received first place in the Graduate Student Oral Competition at the Southeast Partnership for Advanced Renewables (SPARC) from Carinata’s third annual meeting.
- Graduate Student **Yulin (Patrick) Zheng** received a Graduate Student Mentoring Award from the UF Graduate School.
- Graduate Student **Victoria Morgan** received the Attributes of a Gator Engineer Award (Service to Global Community) Student Award from UF Herbert Wertheim College of Engineering.
- Undergraduate Student **Brandt Bessell** received the Attributes of a Gator Engineer Award (Creativity) Student Award from UF Herbert Wertheim College of Engineering.
- Undergraduate Student **Bryce Askey** received the John B. Boy/U.S. Sugar in Agricultural Engineering Scholarship.
- Undergraduate Student **Elizabeth Dautel** received the John B. Boy/U.S. Sugar in Agricultural Engineering Scholarship.
- Undergraduate Student **Bonita Trinter** received the John B. Boy/U.S. Sugar in Agricultural Engineering Scholarship.
- Undergraduate Student **Robert Proudfoot** received the Florida Section ASABE Scholarship.
- Undergraduate Student **Taylor Hilton** received the Florida Section ASABE Scholarship.
- Undergraduate Student **Tegan Tomasko** received the Sun Fu “Tony” Shih Scholarship.

Bits of News

- USDA NIFA Director **J. Scott Angle** has been announced as UF’s next Vice President for Agriculture and Natural Resources.
- ABE has announced plans and fundraising for a new experiential learning building.
- Professor and Chair **Kati Migliaccio** spoke to the Florida Senate Committee on Agriculture on precision agriculture.
- The ABE Advisory Board met through a special virtual meeting for department, research, and extension updates.
- The ABE graduate program remains in the Top 10 nationwide, ranking No. 8, according to the 2021 U.S. News & World Report Best Graduate Schools.

DEPARTMENT NEWS AND GRADUATING STUDENTS

New Hire



John Nemenyi

Water Resources Engineering Technician

nemenyi93@ufl.edu

As an Engineering Technician supporting water resources related research, John will concentrate on setup and maintenance of field projects and equipment in the Water Resources Lab. John graduated from the our department in Fall 2018 with his Bachelor of Science degree in Biological Engineering.

Spring 2020 Doctoral and Master's Graduates



Benjamin Gelber

MASTER OF SCIENCE

Advisor: Dr. J. Adam Watson



Jordan Neff

MASTER OF SCIENCE

Energy

Advisor: Dr. Ray Bucklin and
Dr. Wendell Porter

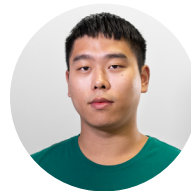


Thiago Borba Onofre

DOCTOR OF PHILOSOPHY

Smart Agriculture (IoT and WSN)

Advisor: Dr. Clyde Fraisse



Dong Xiang

MASTER OF SCIENCE

Biological Engineering

Advisor: Dr. Eric McLamore



Yicheng Yang

MASTER OF SCIENCE

Nanotechnology

Advisor: Dr. Bin Gao



Nebi Yesilekin

MASTER OF SCIENCE

Agricultural Watersheds

Advisor: Dr. Chris Martinez



Yue Zhang

MASTER OF SCIENCE

Environmental Engineering

Advisor: Dr. Bin Gao

CONGRATS!

*to our Spring 2020
Graduating Students*

Spring 2020 Bachelor of Science Graduates

**Thabet Alrifai
Aljandali**

BACHELOR OF SCIENCE
Biological Engineering

Kyle Antos

BACHELOR OF SCIENCE
Biological Engineering

Juan Barco

BACHELOR OF SCIENCE
Agricultural Operations
Management

Rachel Barthle

BACHELOR OF SCIENCE
Agricultural Operations
Management

Michael Berryman

BACHELOR OF SCIENCE
Biological Engineering

Bailey Brooks

BACHELOR OF SCIENCE
Agricultural Operations
Management

Trevor Carnahan

BACHELOR OF SCIENCE
Agricultural Operations
Management

Jessica Cohen

BACHELOR OF SCIENCE
Biological Engineering

Elizabeth Dautel

BACHELOR OF SCIENCE
Biological Engineering

Bryce Dermody

BACHELOR OF SCIENCE
Agricultural Operations
Management

Alexandra DiCairano

BACHELOR OF SCIENCE
Agricultural Operations
Management

Kacie Durance

BACHELOR OF SCIENCE
Agricultural Operations
Management

Brian Edge

BACHELOR OF SCIENCE
Agricultural Operations
Management

Connor Edwards

BACHELOR OF SCIENCE
Agricultural Operations
Management

Connor Fields

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Agricultural Operations
Management

John Fiorenzi

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Agricultural Operations
Management

Joel Futch

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Agricultural Operations
Management

Erin Guby

BACHELOR OF SCIENCE
Biological Engineering

Shahin Hadjiabadi

BACHELOR OF SCIENCE
Agricultural Operations
Management

Kristy Hylton

BACHELOR OF SCIENCE
Agricultural Operations
Management

Esteban Justiniano

BACHELOR OF SCIENCE
Agricultural Operations
Management

Enoch Kuo

BACHELOR OF SCIENCE
Biological Engineering

Jessica Lewert

BACHELOR OF SCIENCE
Biological Engineering

Morgan Linhart

BACHELOR OF SCIENCE
Agricultural Operations
Management

Tasnim Mitu

BACHELOR OF SCIENCE
Biological Engineering

Christina

Nagarathinam

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Management

Ryan Richardson

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Biological Engineering

Ayla Sage

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Biological Engineering

Douglas Alexander

Santos Carrillo

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Jai Shiva

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Bonita Trinter

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Lauren Valad

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GIVING

Your generous donation to the UF/IFAS
Agricultural and Biological Engineering program
will provide support for our students, faculty and
staff.

To support ABE, our scholarships and more,
visit abe.ufl.edu/give.