

HERFF HEADLINES

► An Update from the Herff College of Engineering at the University of Memphis ◀

Dear Herff Alumni and Friends,

Please read below for upcoming events and exciting happenings in the Herff College of Engineering! Also, don't forget to join us on LinkedIn www.linkedin.com/in/herffcollege.

Upcoming Events:

March 21-22	Choosing Transportation Summit
March 21	Herff Happy Hour at High Cotton Brewery
April 5	CANstruction, Jr. Competition
April 12	Herff Awards Celebration
May 4	UofM Spring Graduation
May 15	Go Whole Hog with Herff at Memphis In May
May 16	Herff Happy Hour at High Cotton Brewery
September 20	Fall Engineering Career Fair

UofM Honors Faculty Accomplishments at Annual Celebration

On Feb. 28, the University of Memphis hosted its annual Research Celebration. This year's event recognized three faculty as new PI Millionaires, 25 first-time principal investigators and faculty who authored or edited a book in 2018. One of the three University PI Millionaires is **Dr. Amber Jennings, Assistant Professor, Biomedical Engineering**. Dr. Ali Fatemi, **Ring Companies Endowed Professor and Department Chair, Mechanical Engineering and Director, Fatigue and Fracture Research Laboratory**, was recognized as a UofM First Time Principal Investigator (FY18). Congratulations Drs. Fatemi and Jennings!

CAESER Receives Five-Year, \$5 Million Contract

Congratulations to **Dr. Brian Waldron** and his team at the Center for Applied Earth Science and Engineering Research (CAESER) for receiving a \$5 million contract over a five-year period from Memphis, Light Gas and Water (MLGW) to conduct extensive research addressing water quality issues with the Memphis aquifer. Click [HERE](#) for the UofM press release regarding the MLGW award.

Preza Named Fellow of SPIE



Dr. Chrysanthé Preza, Kanuri Professor and Chair of the Electrical & Computer Engineering Department, was recently acknowledged as one of 88 members named as new **Fellows of the Society** this year in SPIE, the international society for optics and photonics. Fellows are Members of the Society who have made significant scientific and technical contributions in the multidisciplinary fields of optics, photonics, and imaging. Since the Society's inception in 1955, a total of 1,478 SPIE Members have become fellows. Click [HERE](#) for a complete list of SPIE Fellows.



Fatimi Lauded as Most Cited in Publication's History

Fatigue and Fracture of Engineering Materials and Structures (FFEMS), a prominent monthly journal in the field of fatigue of materials and structures, will celebrate its 40th anniversary at an international symposium in Sheffield-UK in September 2019. **Dr. Ali Fatemi, Ring Companies Endowed Professor and Department Chair, Mechanical Engineering and Director, Fatigue and Fracture Research Laboratory**, will attend as a special guest of FFEMS because his paper published in 1988, *A Critical Plane Approach to Multiaxial Fatigue Damage Including Out-of-Phase Loading*, is "the most cited paper in the 40 years of FFEMS history." Congratulations Dr. Fatemi on this fantastic acknowledgement!

Berisso Elected to Chair AIM Industry Group

Advancing Identification Matters (AIM), the worldwide industry association for the automatic identification industry, recently announced new leadership for the association's industry groups.

Dr. Kevin Berisso, Assistant Professor, Engineering Technology and Director of the AutoID Lab, will chair the AIM Track & Trace Industry Group (T&T). The group was created to develop, educate, promote and aid in the adoption of automatic identification strategies designed to support compliance of global regulations related to product traceability.

Bowlin Lab Using 3D Technology to Develop Vascular Grafts

Dr. Gary Bowlin's Biomedical Engineering Lab is pioneering the use of 3D near-field electrospinning, a nanofiber additive manufacturing process, to construct tissue regeneration templates and medical devices. The first use of this technology is being applied to designing a biomimicking, biodegradable polymer vascular graft that will function as a blood vessel and promote regeneration, such that in six months the polymer tube is gone and we have a new blood vessel in its place.

Read more on Dr. Bowlin's research interests, collaborations, publications, honors and awards [HERE](#).

Tennessee Society of Professional Engineers Recognizes Herff Faculty & Students



L-R: Gunner Kring, student; Scott Southall, Chair, Engineering Technology Department; Aaron Alexander, student.

Each year, members of the **Memphis Area Joint Engineers Council**, including the Herff College of Engineering, recognize a featured engineer during **National Engineers Week**. This year, **Dr. Gene Eckstein**, Department Chair and Professor, Biomedical Engineering, was selected in recognition of his years of service to the Biomedical Engineering Department and the Herff College of Engineering.

In addition, each higher education member of the Council (UofM, CBU, and Southwest Tennessee Community College) recognizes an engineering student and/or engineering technology student. These awards are presented at the **Engineers Week Banquet** held by the **Tennessee Society of Professional Engineers, Memphis Chapter**.

In the photo above, Herff's **Featured Engineering Technology Student** (left) is **Gunner Kring**. Gunner will graduate in May with his B.S. in Engineering Technology. An excellent student, he is also an intern at Atlantic Track. He is the first student to take advantage of our Accelerated Bachelors to Masters program and he will complete his M.S. in Engineering Technology in May 2020. The **Featured Engineering Student** (right) is **Aaron Alexander**. He is a computer engineering and electrical

engineering student who will also graduate in May. Aaron is an Engineering Ambassador, president of Tau Beta Pi, vice-chair of IEEE, vice-chair of Eta Kappa Nu, and a member of the Go-Baby-Go project team. Congratulations to both Gunner and Aaron!

Herff Hosts 16th Annual TLSAMP Conference



TLSAMP 16th Annual Conference

February 14-15, 2019

Tomorrow's Leaders Standing & Meeting the Promise in STEM



Herff recently hosted the 16th Annual Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) Annual Research Conference: Tomorrow's Leaders Standing & Meeting the Promise in STEM. Nine colleges and universities from across Tennessee participated and brought approximately 300 undergraduate students. Science and engineering contests were held for both oral and poster presentations, a group picture of the winners is above, with winners listed here:

Poster- Engineering

First- Khalil Guy, Fisk

Second – Kristina Pieterston, Vanderbilt

Third – Marvell Ridley, S. Aya Jones, Tennessee State University

Poster- Science

First – Natalie Butler, Zahra Rasuli, Fisk University

Second – Anisha Mittal, Fisk

Third - Dylan Holzgruber, Vanderbilt

Oral- Engineering

First – Zahr Rasuli, Fisk

Second – Michael Davies, Vanderbilt

Third – Tyree Morris, University of Memphis

Oral- Science

First – Ariel Thorson, Vanderbilt

More about TLSAMP:

Louis Stokes was a pivotal leader in the quest for civil rights, equality, and social and economic justice throughout his lifetime as a public servant in the United States Congress. In his honor, the National Science Foundation established the Louis Stokes Alliances for Minority Participation (LSAMP) Program in 1991 to increase the number of under-represented minority students with degrees in STEM related fields.

Herff Faculty & Staff Visit National Headquarters of Cummins, Inc.



We are excited to be working with **Cummins, Inc.** to develop a strategic partnership that will accelerate innovations in metal additive manufacturing and provide expanded educational opportunities for Herff undergraduate and graduate students. Thank you Cummins Inc. for not only supporting our recent career fair but also hosting Herff at your facility in Columbus, Indiana! Pictured from L-R: Greg Hammon (BMSE '92, MSME '03), Behzad Fotovvati, Michael Fitzmire, Shelia Moses, Kelly Schmitz, and Ebrahim Asadi.

Civil Engineering's Concrete Issues

Click [HERE](#) for the latest edition of Concrete Issues, a newsletter from the Department of Civil Engineering featuring faculty updates and general department activities.

Student Life Updates:

Spring Engineering Career Fair



Special thanks to **Ms. Shelia Moses**, Academic Services Coordinator, and **Dr. Roger Meier**, Director of Graduate Programs, for organizing the Spring Engineering Career Fair. Also, thanks to the approximately 50 employers who attended! It was a great networking event and some companies interviewed students on-the-spot.

If your organization is looking to hire top talent for internships, part-time or full-time positions, be sure to attend our **Fall Engineering Career Fair on September 20th from 8:30 a.m. - 11:30 a.m.** There is no cost for companies to attend. For more information, please email Shelia Moses, srmoses@memphis.edu.

Resumania



In preparation for the Spring Career Fair, Herff students participated in a Resumania event! Student resumes were reviewed by corporate partners who provided valuable feedback. If you or someone from your company would like to participate in career development programming, please email Shelia Moses, srmoses@memphis.edu.

Herff Scholars Day

Held on February 8th, Herff Scholars Day welcomed 23 prospective students who have been offered a merit-based scholarship. This event was a college-wide effort to showcase all that Herff has to offer! It was a nice opportunity for faculty and staff to talk with students and their parents. We hope to see all of these students enroll here in the fall.

Supporting Our Engineering Student Athletes!



Under the direction of **Isaiah Surbrook**, Director of Student Services, we are making an effort to support our engineering student athletes by encouraging Herff students, faculty and staff to attend Lady Tigers basketball games, track & field events, baseball games, and any sport where we have students participating! Go Tigers!!!

Upcoming Events:

2019 Choosing Transportation Summit & Blue Pump Gala

CHOOSING TRANSPORTATION

2019 CHOOSING TRANSPORTATION SUMMIT

FedEx Institute of Technology, University of Memphis Main Campus

MARCH | 20
21-22 | 19

Summit includes the 2019 Choosing Transportation conference & the **Blue Pump Gala** from **5:30-7:30 p.m.** at the Memphis Botanic Garden, on the evening of March 21st.

REGISTRATION COSTS:

TRANSPORTATION SUMMIT—\$150 per person
(includes conference and gala)

BLUE PUMP GALA—\$50 per person
(includes gala only)

memphis.edu/setwc



Memphis In May- Go Whole Hog with Herff!!!



Herff Alumni and Friends!! It's that time of year!! Mark your calendar for Wednesday, May 15th. Herff will

host an evening of BBQ and fun during Memphis in May. Additional details will soon follow!

Estate Planning- Giving Back to Herff

Consider joining Herff Alumnus, **Laura Rowland**, in providing support for the next generation of Memphis Engineers. "I know that I will have made a "difference" for the University, the Herff College of Engineering and the Civil Engineering Department. I received my education from Memphis State University and my donation will help future generations of civil engineers who attend the University of Memphis. Regardless of the name, without this University, I wouldn't be where I am today – in a position to give back." Ms. Rowland credits her parents first for giving her the support to choose the field of engineering and then UofM for providing the professional opportunities associated with her degree. For more information about planning an estate gift, contact Herff Development Director, Kimberly Grantham, 901-678-1537, or visit: <http://memphis.mylegacygift.org/>.

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