

The Brief

College of Engineering
Student, Faculty and Staff
Newsletter

October 19, 2017



Mohsen Safaei wins Student Competition at 2017 ASME SMASIS

DSSL Ph.D. student Mohsen Safaei won the Best Student Hardware Paper Competition and was runner up for the Best Student Paper Competition at the 2017 ASME Smart Materials Adaptive Structures and Intelligent Systems conference held September 18-20, 2017 in Snowbird, UT.

[Read more...](#)



Solar eclipse balloon "Shadow Eagle" - SEDS Tennessee Tech University

Shadow Eagle is a High Altitude Balloon (HAB) that was launched during the 2017 total solar eclipse. The primary objective for the HAB was to retrieve footage of the Moon's shadow from a high enough altitude to see a majority of the shadow.

[Read more...](#)



Congratulations to Mechanical Engineering alumni Esra Roan, Ph.d. and Josh Herwig.

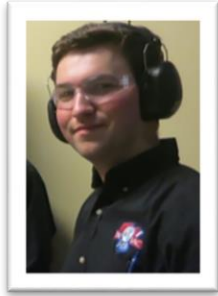
Roan and Herwig, Co-founders of SOMAVAC Medical Solutions in Memphis, Tennessee are preparing to seek FDA clearance on the design of a post-surgical drain. Esra Roan, Ph.D. is a new Mechanical Engineering External Advisory Board member, who will begin her three year term with the department this November.

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Claire Sichko from **Arcadis** in Nashville is presenting at the Water Professionals meeting **TODAY** at **11 a.m.** in **PRSC 330**

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) will be taking a field trip to learn about new air handling equipment in the RUC **TODAY**. We will meet in the **RUC Front Lobby** at **11 a.m.**



Anthony Taylor, Air System Assessment Engineer at Ingersoll Rand

As a Master of Science in mechanical engineering student at Tennessee Tech University, Anthony Taylor, was an active participant in its U.S. Department of Energy Industrial Assessment Center. Over a three-and-a-half year period he participated in 38 energy assessments of ...

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The Carlstar Group MEET & GREET! Recruiters will be on campus to discuss Spring and Fall Co-Op opportunities for sophomore and junior EE and ME students! **Tuesday, Oct. 24th from 10:30 to 4:30 in BRWN 222.** Pizza will be served! For more information please contact the [Center for Career Development](#).

Are you CAREER READY? Professionalism/Work Ethic: Patrick Leeper, Paralympic Track & Field Medalist **Thursday, Oct. 24 at 7 p.m. in Derryberry Auditorium.** Counts toward your Career Readiness Certification. Be sure to complete your [Handshake](#) profile.



ENGINEERING STUDENT MIXER Friday, Nov. 3, at 5 p.m. in CLEM 212. Come join the [Young Alumni Council for Engineering \(YACE\)](#) for sliders, sodas and more!

Journal of Creative Inquiry (JCI) Tech's own peer-reviewed journal for undergraduate research and creative activities – STUDENTS, did you participate in a research or creative project over the past year? Submit your work to be considered for publication in JCI, a peer-reviewed academic journal that features outstanding products of student inquiry across all disciplines. We are accepting submissions for the 2017-2018 issue. For further information and to submit your work, please visit the journal's home page at <https://publish.tntech.edu/index.php/JCI>. **Submissions are due by Friday, Nov. 17, 2017.**



2017 New Faculty Research Seminar Series Schedule

All seminars are 4:30 – 5:30 p.m. in PRSC 225

- ✓ **Tuesday, Oct. 3 - Yunbo (Will) Zhang, Ph.D.,** Assistant Professor, Mechanical Engineering presenting *Design for Additive Manufacturing: Towards Direct Digital Manufacturing*
- **Tuesday, Nov. 7 - Charlese Van Neste, Ph.D.,** Assistant Professor, Center for Energy Systems Research presenting *Quasi-Wireless Capacitive Power Transfer and Its Applications*
- **Thursday, Nov. 16 - Ahmad Vasselbehagh, Ph.D.,** Assistant Professor, Mechanical Engineering presenting *Wind Farm Layout Optimization*



You build trust with others each time you choose integrity over image, truth over convenience, or honor over personal gain.

–John Maxwell



Look for the next issue of The Brief November 28, 2017.

The Brief is published six times per year, at the beginning of each semester, after the mid-semester break and at the end of each semester. Please submit articles, events and notices no later than Thursday, Nov. 23rd to engineering@tntech.edu for the next issue.



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