



## TNTech College of Engineering News & Events

Thursday, Jan. 24, 2019

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**Theta Tau, a co-ed professional engineering fraternity, is looking for new members!** Theta Tau is the oldest and largest engineering fraternity and provides opportunities for professional development, networking, community service, brotherhood, and leadership. Come to one of the following events to experience what makes Theta Tau unique. *Free food will be provided at all events!*

- **TODAY**, Thursday, Jan. 24 - Smash Ultimate Night PRSC 205 - 7 p.m.

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**Professional Level Resume Writing** with Jill Patrick of SAIC - [Career Readiness Certification Event](#) **TODAY**, Thursday, Jan. 24, 2019 11 -11:45 a.m. in the Tech Pride Room, RUC.

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**SME** will be having their first Society of Manufacturing Engineers meeting on **TODAY**, Thursday, Jan. 24th at 11 a.m. in Lewis Hall, Room 111. Pizza and drinks will be served. We will introduce our cabinet and discuss our plans for the semester. Hope to see everyone on Thursday!

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The Society of Women Engineers (**SWE**) will be having their first meeting of the semester **TODAY**, Thursday (January 24th) in Brown 237 at 6:30 p.m. We will be discussing the meeting schedule for the semester and upcoming events including volunteer opportunities and an external tour. Dinner will be provided! We hope to see you there!

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**ASME** is having a meeting **TODAY**, January 24, at dead hour in Brown 237. We will have TTU Mechanical Engineering professor Ahmad Vassel talk about his work experience and research.

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EWB and Water Professionals will be meeting **TODAY**, Jan. 24th, 11 – noon in Prescott 330

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**Thursday, Feb. 7 | 11—11:30 a.m. Additively Innovative Lecture Series** "The Phantom Hole Technique, Improving Structural Performance in FFF/FDM 3D Printed Products" with Eric N. Wooldridge, Professor of Additive Manufacturing, Somerset Community College, Kentucky. **Join from anywhere via [tntech.zoom.us/j/432789883](https://tntech.zoom.us/j/432789883)**

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**College of Engineering Ph.D. Graduate Student Research Progress Presentations.**

**Thursday, Feb. 7, 3-4 p.m., Prescott Hall, Room 225**

- "A Theoretical Approach for Determining Mechanical Properties of Polymer Materials at Cryogenic Temperatures" presented by Bo Bonning, Chemical Engineering, Holly Stretz, Ph.D., Advisor
- "Structural Performance Of Flat Oval Duct System Using Finite Element Modeling" presented by Venkata Avinash Paruchuri, Mechanical Engineering, Stephen Idem, Ph.D., Advisor
- "Privacy-preserving Computing on Encrypted Data" presented by Mahmoud Nabil Mahmoud, Electrical and Computer Engineering, Mohamed Mahmoud, Ph.D., Advisor

**Tuesday, Feb. 12, 3—3:30 p.m., Prescott Hall, Room 225**

- "Fundamental Stock Classification with a Genetic Multi-Objective Ensemble of ANNs (GMEANNs)" presented by Jesse Roberts, Computer Science, Doug Talbert, Ph.D., Advisor
- "Hardware attack detection in Home Area Network Leveraging Network Traffic Modeling" presented by Hawzhin Raouf Mohammed, Electrical and Computer Engineering, Syed Rafay Hasan, Ph.D., Advisor

**Each graduate student will have a 10 min. presentation followed by a 5 min. Q&A session.**

*The student presenters are supported by State of Tennessee funds in recognition of Tennessee Tech's Carnegie classification.*

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**APPLY NOW for the 2019 Engineering, Computing and Technology SPECTRUM Award!**

- All juniors and seniors enrolled in the College of Engineering, except for previous winners, are eligible.
- Two winners will be chosen from each department—ChE, CEE, CSC, ECE, MET and ME.
- Each winner will receive a cash award and an award plaque.
- Awards will be presented at the Engineers Week Awards Banquet, Thursday, Feb. 21, 2019
- **All entries and recommendations must be received by Tuesday, Jan. 29, 2019**

Visit [www.tntech.edu/engineering/spectrum](http://www.tntech.edu/engineering/spectrum) for more information and to apply.

*Contest organized by the Department of Computer Science.*

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**MARK YOUR CALENDAR NOW!**

**Tuesday, Feb. 19: Preparing for the Engineering Fair** with Lynsey Nail of ATC Automation is from **11 – 11:45 a.m. in the Tech Pride Room.** *This is a Career Readiness Certification Event sponsored by the Center for Career Development.*

**Thursday, Feb. 28: The 2019 Engineering Career Fair** is from **10 a.m. – 2 p.m. at the Hooper Eblen Center.**

- **Don't forget to bring your Eagle Card! This will allow you to sign in quickly and get a *personalized* name tag!**
- **Enter through tunnel on McGee Blvd.**
- **Engineering Fair 2019 is a *NO BACKPACK ZONE*** | Please lock your backpack in your car or leave it in your room.
- **This year's event is Freshman-Friendly.**
- The Engineering Fair is open to ALL students, ALL majors, freshmen to alumni. Co-op, internship, and full-time job opportunities will be available. Be sure to review this [Career Fair Tips](#) handout to make the most of the Engineering Fair!

**Find the list of attending employers and other important information [here](#).**

*The 2019 Engineering Career Fair is co-sponsored by the Center for Career Development and the [Engineering Joint Council](#).*

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***SHOUT OUT!' an upcoming event in the CoE [eBlast!](#)***

The [eBlast](#) is a twice weekly email to Tech's College of Engineering campus community – students, faculty and staff. It consolidates announcements, reminders of important registration dates, and special events within the college – like DENSO Day, block parties, career fairs and seminars. Engineering student organizations also post reminders of upcoming meetings.

Send announcement information to [engineering@tntech.edu](mailto:engineering@tntech.edu). Be sure to include the name of the organization, contact email, along with date, time and location of the event. Also the organization web address or social media link(s) – when available.



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