

The Brief

College of Engineering
Student, Faculty and Staff
Newsletter

January 18, 2018



2018 NSF Research Experiences for Undergraduates (REU) Secure and Privacy Preserving Cyber Physical Systems at Tech JUNE 4—AUG. 10, 2018

During Summer 2018, Tech's Center for Manufacturing Research will host the Research Experiences for Undergraduates (REU) program: Secure and Privacy-Preserving Cyber Physical Systems (funded by NSF Division of Computer and Network Systems). This 10-week program focuses on cybersecurity challenges with applications in future smart cities and provides students with cybersecurity experiences.

Applications must be submitted by March 2, 2018.

[Read more and submit an application...](#)



Tech engineering students create walker for boy with Angelman Syndrome

Thanks to a group of Tennessee Tech engineering students, a young boy with Angelman Syndrome received an early Christmas present.

Students in Stephen Canfield's early intervention and mechanical engineering project class built a walker for two-year-old Kyle Kitts. The students recently presented the walker to Kyle and his mother, Deanna Miller, and father, Gabriel Kitts.

[Read more...](#)



Congratulations to Ojas Chaudhari, Ph.D., Research Engineer with Quikrete®!

Chemical Engineering alumnus, Ojas Chaudhari has developed a new concrete resurfacer formula that has been nominated for the 2018 Most Innovative Product award.

Chaudhari's Advanced Formula Quikrete® Concrete Resurfacer will be available at local Lowes and Home-depot stores within the next 6 months.

[You can read more about this product and vote for Chaudhari's Advanced Formula Quikrete Concrete Resurfacer here...](#)

Additively Innovative Virtual Lecture Series Spring 2018 Schedule

- **Thursday, February 22** *Wire + Arc Additive Manufacturing: enabling 10-meter metal parts* with Filomeno Martina, Ph.D., WAAMMat Program Manager at Welding Engineering and Laser Processing Center, Cranfield University, UK
- **Thursday, March 1** *Free and Easy Software for Designing for 3D Printing* with Timothy Gornet, Manager of the Operations at Rapid Prototyping Center, University of Louisville, Kentucky
- **Thursday, March 29** *AM Research and Applications for Real World Production and Impact* with Eric N. Wooldridge, PE, RA, Professor of Additive Manufacturing, Workforce Development, & Pre-Engineering at Somerset Community College, Kentucky
- **Thursday, April 19** *Dental 3D Printing Overview* with Frank Alifui-Segbaya, Program Director for Bachelor of Dental Technology School of Dentistry and Oral Health, Griffith University, Australia

Join from anywhere via tntech.zoom.us/j/432789883

ENGINEERING CAREER FAIR 2018 – Thursday, March 1

Engineering Fair 2018 will be held at the Hooper Eblen Center and is co-sponsored by the Center for Career Development and the Engineering Joint Council.

Don't forget to bring your Eagle Card!

This will allow you to sign in quickly and get a **personalized** name tag!



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!

Enter through tunnel on McGee Blvd. | ***This year's event is Freshman-Friendly!***

Engineering Fair 2018 is a **NO BACKPACK ZONE** so please lock your backpack in your car or leave it in your room.

See list of companies and find out more information here...



APPLY NOW for the Engineering, Computing and Technology SPECTRUM Award.

All juniors and seniors enrolled in the College of Engineering, except for previous winners, are eligible. APPLY NOW! Application and recommendations must be received by **Monday, Jan. 22, 2018**. Visit www.tntech.edu/engineering/spectrum for information on applying.



The difference between ordinary and extraordinary is that little extra.

—Jimmy Johnson



Look for the next issue of *The Brief* March 13, 2018.

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, March 8, 2018 to engineering@tntech.edu for distribution in the next issue.



College of Engineering

Clement Hall 201

P: (931) 372-3172 | F: (931) 372-6172

engineering@tntech.edu