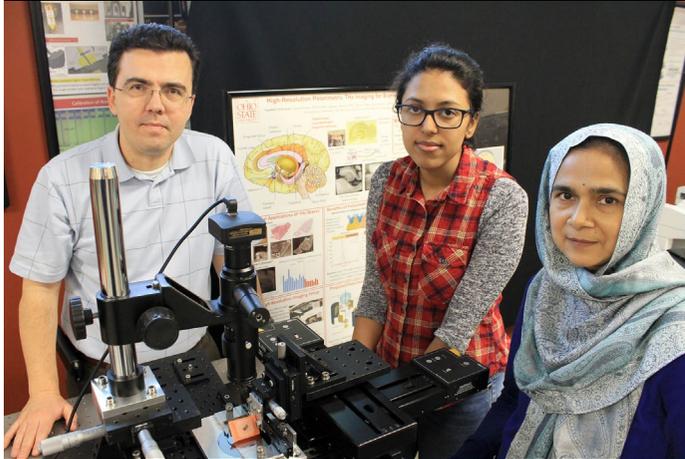


# ECE Weekly

The Ohio State University | Department of Electrical & Computer Engineering



## NSF awards \$675,000 to advance Ohio State terahertz research

Between the infrared and microwave sections of the electromagnetic spectrum, lies the terahertz window, a largely untapped portion of energy, with the potential to reveal a huge variety of unknowns – from people carrying hidden weapons or even next-generation Alzheimer's disease diagnosis.

An ElectroScience Laboratory team at The Ohio State University recently earned a total of \$675,000 in research and commercialization support from the National Science Foundation (NSF) to further its terahertz sensor development. Members are professor **Kubilay Sertel**, graduate research associate **Nandhini Srinivasan** and research assistant professor **Niru Nahar**.

Read more about their work: <http://go.osu.edu/kubi>



### Faculty Spotlight:

## Waleed Khalil

Bob Dylan once said, "I know my song well, before I start singing."

The work of Waleed Khalil at The Ohio State University requires a similar full understanding of many scientific disciplines and teamwork in order to succeed.

Learn more about Khalil and his history at Ohio State and his years in the industry: <http://go.osu.edu/waleedk>



## Creating safer UV light

An electrical and computer engineering Ph.D. candidate is working to create a brighter, cleaner and more efficient future through advancements in ultra-violet (UV) light technology.

**Yuewei Zhang** earned the best paper award at the recent International Symposium on Semiconductor Light Emitting Devices (ISSLED 2017) conference in Banff, Canada, for his research proposal. Read more about his work: <http://go.osu.edu/yuewei>



## SWE Career Fair Today

Tweak your resume and press your suit today for the Society of Women Engineers (SWE) Career Fair from 1 p.m. to 6 p.m. at the Union. Want tips on your interviewing skills beforehand? Our advisors are in the Dreesse lobby starting at 9:30 a.m. until noon.

Link: <http://go.osu.edu/SWE18>



## IEEE Undergraduates hold Winter Banquet

Congratulations to the **IEEE Undergraduate Chapter** at Ohio State for another successful Winter Banquet, combining students with industry reps. Video coming soon.

Find pictures from the event at the link: <http://go.osu.edu/IEEE18pix>



## IEEE PE Scholarships

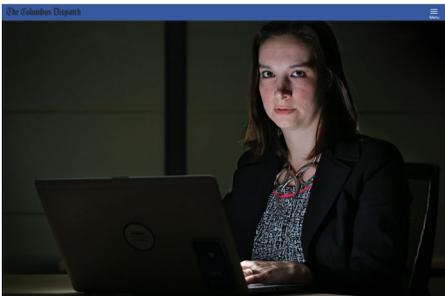
The IEEE Power and Energy Scholarships were awarded to ECE students **Austin Kidder** and **Carl Staiger** in surprise ceremonies Associate Department Chair **Betty Lise Anderson** held in front of their peers recently.

Kidder story: <http://go.osu.edu/ieeepes-18>

Staiger story: <http://go.osu.edu/staiger-pes>



ECE Assistant Professor, **Nima Ghalichechian** was on the cover of a recent Lantern article about the ways Ohio State is pursuing different funding channels to support research. Story: <http://go.osu.edu/ng-lantern>



@Battelle healthcare #cybersecurity expert **Stephanie Domas** is an Ohio State alumna and adjunct professor. Read a recent Dispatch article interview with her on the importance of data security at hospitals: <http://go.osu.edu/d-domas>



## Wow! signal makes waves in new documentary on the search for extraterrestrials

Did you catch the The Columbus Dispatch article on The Ohio State University "Big Ear" radio telescope and former @OhioStateECE professor **John Kraus**?

ECE alumnus **Charlie Nash** remembers, "I took several of Dr Kraus's courses at OSU. He was an excellent lecturer and we used his own text book. One semester we drove up to his radio observatory and he gave us a tour. It was amazing the radio signals they had mapped from the universe, and this telescope was essentially built out of stuff he had scrounged up. He was an impressive person.

Read on: <http://go.osu.edu/kraus-d>

## Research Opportunities

@OhioStateECE Dept. Chair **Joel Johnson** tips me off to ongoing paid research opportunities for students to learn more at universities in Ohio and all over the country (sometimes world).

I compile them all for you guys. Take a look soon, because some deadlines are approaching fast.

Link: <https://ece.osu.edu/jobline-current-openings>