

# ECE Weekly

The Ohio State University | Department of Electrical & Computer Engineering



## Ringel wins Ohio State Distinguished Professor Award

**Steve Ringel** is rarely at a loss for words. An Electrical and Computer Engineering (ECE) faculty member for the past 27 years, Ringel found himself uncharacteristically taken aback, while surrounded by his colleagues and family in a Drees Laboratories lecture room. He was named a 2018 Distinguished University Professor in recognition of his exceptional record in teaching, research, and scholarly work at The Ohio State University.

Ringel serves as ECE's Neal A. Smith Professor, Associate Vice President for Research in the Office of Research, and is the Executive Director of the Institute for Materials Research (IMR).

Story: <http://go.osu.edu/ringel18>

Video: <http://go.osu.edu/ringel-vid>



## Passino wins Ohio State Distinguished Scholar Award

In a surprise ceremony in front of his students and colleagues, Electrical and Computer Engineering Professor **Kevin Passino** became one of The Ohio State University's newest 2018 Distinguished Scholars. Passino is a world leader in the field of intelligent control, and is respected at the university for his work as director of the Humanitarian Engineering Center.

Behind every great scientist, of course, is the unspoken person. As Passino's wife and son walked in, fresh from the airport, his surprise was evident.

Story: <http://go.osu.edu/passino-18>

Watch a short video of Passino receiving the award and his comments: <http://go.osu.edu/passino-vid>



## Student wins university research forum

An ECE student working in power management won top honors at Ohio State's ninth annual Undergraduate Research Forum. **John Brothers**, a senior, earned first place for his project, "A High Efficiency High Power Density Bidirectional DC-DC Converter for Battery Energy Storage." His advisor is ECE Professor **Jin Wang**.

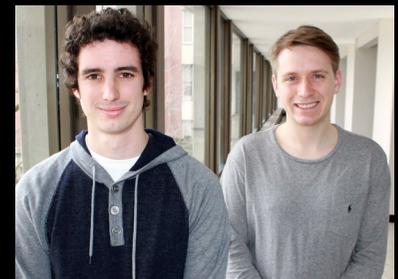
More: <http://go.osu.edu/brothers>



## Student wins WiOpt best paper award

ECE student **Altug Karakurt**, earned the Best Paper award at the 2018 International Symposium on Modeling and Optimization on Mobile, Ad Hoc and Wireless Networks (WiOpt). His research is titled, "Quick Discovery of Mobile Devices in the Many-User Regime Carrier Sensing or Simultaneous Detection."

Story: <http://go.osu.edu/altug>



## DAGSI fellowships in aerospace tech

Two Ohio State graduate students earned fellowships for their plans to support the Air Force Research Laboratory (AFRL) and pursue careers in aerospace technologies. **Trevor Dean** and **Roman Fragasse** were selected for the AFRL/Dayton Area Graduate Studies Institute (DAGSI) Ohio Student-Faculty Research Fellowship program.

Story: <http://go.osu.edu/dagsi18>

## Stressed out? Get heard.



This time of year is stressful as students prepare for graduation, graduate school, or employment. Many have a few options and know what is ahead. Some may be uncertain about where they are going next, or

are worried about graduating. It can be overwhelming and some may feel alone, embarrassed, or they are letting others down. Just know, there are options along the way to help manage this stress and get optimistic about what's ahead.

More: <http://go.osu.edu/sou>



## Ohio State ECE spin-off Circular Wave Drive raises \$2M toward expansion

The Ohio State University spinoff Circular Wave Drive (CWD) raised \$2 million toward mass production of its lower-cost, more durable gears for industrial robots.

A technology company manufacturing compact speed-reducing gears for robotics and applications, CWD, recently closed \$900,000 in new seed funding, capping its \$2 million current total. Columbus-based Irove Venture Partners led and organized the round for the startup.

The company's speed reduction technology was developed by **Yuan Zheng**, a Winbiger Endowed Chair professor in the electrical and computer engineering program at Ohio State.

Read more: <http://go.osu.edu/CWD>



## 2018 Kraus Memorial Poster Competition

Thanks to all who attended the 2018 John D. and Alice Nelson Kraus Memorial Graduate Student Poster Competition. Learn more about all the winners and find photos here: <http://go.osu.edu/krauspc18>

## OSU MATERIALS WEEK 2018

Tuesday, May 8th -  
Friday, May 11th



*A showcase of materials-allied research hosted at The Ohio State University*

 THE OHIO STATE UNIVERSITY  
INSTITUTE FOR MATERIALS RESEARCH

The 10th annual Materials Week at The Ohio State University showcases materials-allied research this year from May 8-11, 2018 at the Blackwell Inn & Conference Center in Columbus. Click here to learn more and register: <http://imr.osu.edu/seminarsandevents/2018-materials-week/>



## ECE SP Graduating Class lunch/photo

The ECE Department is hosting a graduation luncheon on **Tuesday, April 24, 2018** in **Room 260** Dreese Labs. **All ECE undergraduate and graduate students who are scheduled to graduate this upcoming semester, Spring 2018, are invited.**

**Special Notice:**  
**ECE CLASS GROUP PHOTO AT 12:20 p.m.** – don't be late or you'll miss it!

Graduating seniors should meet outside in the Numbers Garden behind Dreese Labs, where we will take a class group photo. This will only take a few minutes and the best photo is sent to everyone electronically, then posted on our online social media channels and website.



## ECE Faculty/Staff Appreciation Dinner

Every year, the @OhioStateECE faculty and staff get together to celebrate their achievements and hard work. Plus, we hang out as families and catch up, so that's a bonus. This year, the event was held at COSI on April 7. Thanks to **Carol Duhigg** for organizing. Find more pictures: <http://go.osu.edu/dinner18>