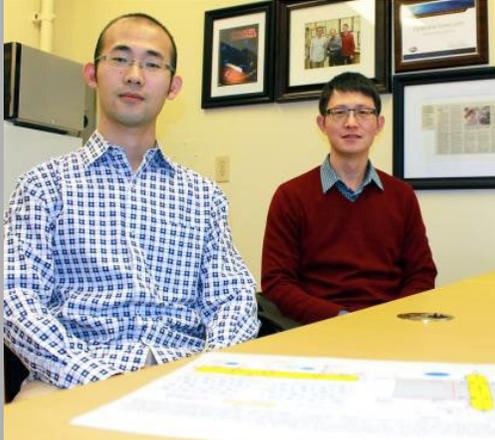


ECE Weekly

The Ohio State University | Department of Electrical & Computer Engineering

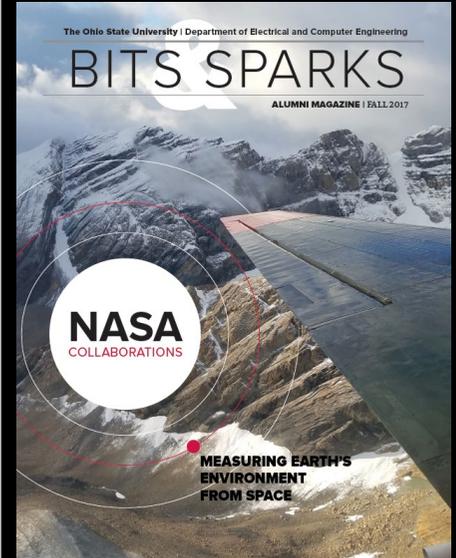


Cardiac Tissue Engineering Breakthrough

For the first time, Ohio State research is unveiling the importance of cardiac tissue engineering over simple stem cell therapy, as a way to someday heal cardiac tissues damaged by heart attacks. The IEEE Transactions on Biomedical Engineering recently published research authored by Ohio State Department of Electrical and Computer Engineering (ECE) professor **Liang Guo** and

PhD student **Yu Wu**, titled "Enhancement of Intercellular Electrical Synchronization by Conductive Materials in Cardiac Tissue Engineering."

Find the full story online: <http://go.osu.edu/guo2>



Bits & Sparks 2017 Alumni Magazine

The ECE annual alumni magazine is online and available for reading. Learn more about the people and research stories making up the issue in 2017. All links are interactive.

Learn more online: <http://go.osu.edu/2017bas-story>

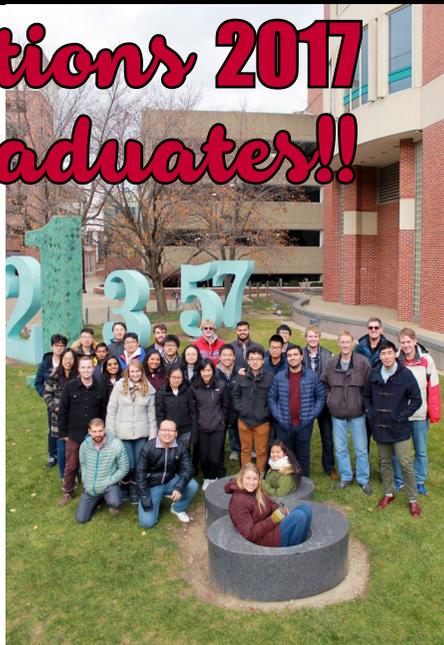
Congratulations 2017 Autumn Graduates!!

Bright futures ahead for this outgoing class. We braved the cold Thursday for the annual Numbers Garden picture and video session for the 2017 ECE Autumn grads. Learn where some are headed next, and watch the behind-the-scenes process of making the video.

Picture link: <http://go.osu.edu/Au17pic>

Video link: <http://go.osu.edu/Au17vid>

- Ryan



ECE tech named among Top Three Automotive Startups

The Los Angeles Auto Show and AutoMobility LA placed Ohio State ECE-related startup **GhostWave** among the top three companies within the 2017 Top Ten Automotive Startups Competition, presented by Magna International, Inc.

Find the full story online here: <http://go.osu.edu/gw-topthree>



The Power of Recognition: Harrison Family Legacy

Recognition of talent is often powerful in and of itself. Over the years, the Harrison family has continued to give back, not only to college-bound engineering students in southern Ohio, but to university faculty as well. Learn more: <http://go.osu.edu/harrisonsece>



Alumnus earns 2017 Diversity Champion Award

Phillip Barnes first began to envision a career in engineering as a young boy who admired Black Vulcan, a hero in the 1970s-era Super Friends cartoon.

Barnes remembers being captivated by Vulcan's powers to release electricity from his hands and transform his body with energy.

Impressed, Barnes set his sights on electrical engineering at a young age. Today, he works to empower underrepresented high school students into fruitful STEM career paths.

Barnes recently earned the 2017 Diversity Champion Award from Ohio State's Alumni Association.

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

SCIENCE AND TECHNOLOGY

Futuristic farming

Crop science takes to the sky

Ohio State Insights features ECE research

Ohio State's ongoing Insights research news series focused on work being conducted by ECE faculty, with collaborations across the university, to help detect crop disease from the sky.

Get the full story here:
<http://go.osu.edu/crop-insights>



Ohio State Land Grant Feature: Ricky Taulker

Growing up in Bradner, Ohio – a town of a little over 900 people – the prospect of a college education seemed like a distant dream for now third-year ECE student, **Ricky Taulker**. He wasn't born wealthy, no one in his immediate family attended college, and only half of his senior class opted for higher education. Learn how his passion for robotics and automation landed him a full Land Grant Opportunity Scholarship to finish out his years at Ohio State. Read the full story online:

<http://go.osu.edu/taulker>

Watch a video interview with Taulker:

<http://go.osu.edu/taulker-vid>

HackOHI/O 2017 ECE winners head to DC

HACK OHIO Out of 15 groups taking home awards for their technological inventions during the **HackOHI/O** STEM show-down, three featured Ohio State ECE students. Learn more about the students who won and their projects in the link below.

Additionally, student winner **Andrew Fu** and his team went on to present their Smart City commuters proposal during The Opportunity Project Demo Day at the U.S. Census Bureau in Washington.

Full story: <http://go.osu.edu/ece-hack-17>



Koksall discusses cyber security

Ohio State research in the field of next-generation vehicle cyber security was featured by Boston.com. ECE Professor **C. Emre Koksall** outlines

how to combat against hackers.

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



#MomentofOval

For our @OhioStateECE alumni scattered worldwide, the fall leaves on campus are almost gone by now, but enjoy a quick video showcasing last week's vibrant display on the oval.

Video:

<http://go.osu.edu/momentofoval>

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Department of Electrical & Computer Engineering

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