Ohio State is proud to announce multiple new faculty members in the Department of Electrical and Computer Engineering (ECE). These new faculty members, along with our existing faculty, are working on a wide range of exciting research projects.

### Points of Pride
- **$20.1 million**
- 19 members who are IEEE Fellows
- 48 tenure-track faculty members
- 12 research-track faculty members
- 4 clinical-track faculty members
- 11,000+ Ohio State ECE alumni worldwide

### Degrees conferred
- PhD: 44
- Masters: 167
- Bachelors: 218

### Graduate enrollment
- PhD: 454 (Autumn 2016)
- Masters: 218 (Autumn 2016)


### Research and Innovation
- Overall, the department's personnel now include 48 tenure- and 44 non-tenure-track faculty members, 12 research faculty, and 4 clinical faculty, of whom 19 are Fellows of the IEEE. Our ECE worldwide alumni population now tops 11,000.

### From the Chair
Professor Joel T. Johnson

Ohio State University
Department of Electrical & Computer Engineering
2016 Annual Report
Selection of ECE awards and honors

- Professor
- Professor
- ECE Lecturer
- Assistant Professor
- Scholar Award winners.
- was named among six university-wide 2016 Distinguished Achievements.
- Dr. Betty Lise Anderson was named a 2016 Associated Universities 2016 Ralph E. Powe Junior Faculty Scientist. She has expertise serving as after previously
- Ryan McPherson joined ECE as this year, as a Research Assistant Professor, after previously serving as a National Defense Science and Engineering Graduate Fellowship.
- He previously served as a Graduate Research Associate.
- Kraus Memorial Poster Competition.
- Zeng Zhang was awarded $500,091 from the NSF Division of Computer Engineer Language. It's a look that tells others problem-solving.
- It's a look that tells others problem-solving.
- Not Face

A Pocket-Sized Wireless Solution for Diabetes Treatment

Learn more:


- Robert Burkholder, Computer Engineering (ECE), said the ice Temperature Sensing.”
- made the journey and
- and
- Ducting Research. Principal
- CASPER,” or Coupled Air-Sea
- communications across the Earth.
- affects radio waves may someday
- Studying the breeze

Discovery Themes:

Early Disease Detection in Food Crops

The success of early disease detection in food crops is a critical challenge for agriculture and food security. Through data analysis and machine learning techniques, researchers from ECE have developed a non-invasive method for early detection of fungal diseases in plants. This technology, known as Terahertz Sensing, offers a promising solution for detecting fungal infections in crops at an early stage, thereby enabling timely intervention and minimizing crop losses. This innovation not only protects the agricultural industry but also supports sustainable food production.

Zhang was awarded $500,091 from the NSF Division of Computer Engineer Language. It's a look that tells others problem-solving.