

# ECE Weekly

Ed. 11.17.15

The Ohio State University Department of Electrical and Computer Engineering



## Reading the brain, wirelessly

Wireless brain implants may one day help treat epileptic seizures, revive paralyzed limbs or solve the mystery of Alzheimer's disease and other mental health disorders. Learn how Ohio State Electrical and Computer Engineering PhD student **Cedric Lee** (shown here) and his co-advisors, senior research associate **Asimina Kiourti** and ESL director/professor **John Volakis**, are winning awards for their work advancing the field. Read more: <http://go.osu.edu/ece-brain>  
Just saw **OnCampus** featured this as their top headline story today as well. Thanks to them for the support!

## Students win tech innovation awards



ECE students **Michael Fearer** and **Creighton Parent** were top winners in the recent VentureNEXT 2015 scholarship awards for their startup innovations. The awards are presented

by Rev1Ventures. Find my story here:

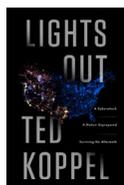
<http://go.osu.edu/NEXT>

Fearer also landed a recent Business First article here:

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

## Sunday Morning on Koppel's "Light's Out"

Did you see Sunday Morning's recent TV coverage of the North American power grid security issues? Look back on how our own @OhioStateECE professors, **Ness Shroff** and **Atila Eryilmaz**, are working on a solution via my story in August, "Weapons of mass destruction: Navigating large scale power failures," here: <http://go.osu.edu/wmd-ece>



## Rep. Turner visits ESL and CEMAS

Ohio's 10th District Representative **Mike Turner** visited The Ohio State University's **ElectroScience Laboratory** and the **Center for Electron Microscopy and Analysis** on Nov. 12. I joined along to take some pictures and

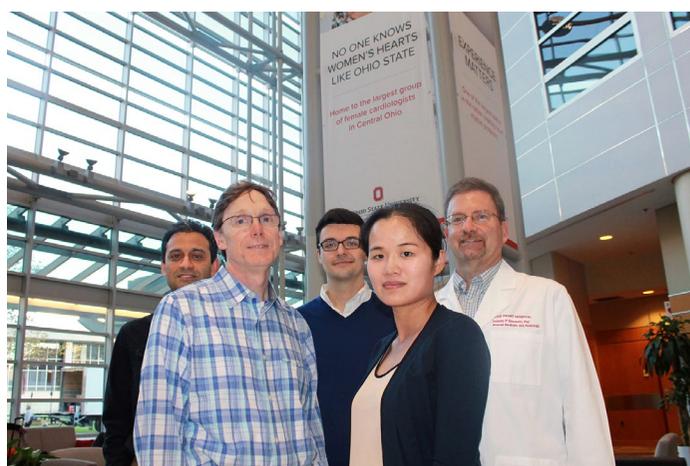


video. Find pictures of the visit here:

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

and my video here:

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



## Instant MRI:

## Cardiac Care in Real Time

MRI scans for cardiac care may take as long as an hour for some, but now a team of @OhioStateECE engineers is collaborating with their medical colleagues at Ohio State to make the process almost instantaneous.

Assistant research professor **Rizwan Ahmad**, PhD student **Adam Rich**, and ECE professor **Lee Potter** collaborated with cardiovascular medicine and radiology professor **Dr. Orlando Simonetti** to develop the new MRI technique. They were assisted by Ohio State adjunct assistant professor and Siemens Healthcare scientist **Ning Jin**.

Learn more about their important work here:

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

## ECE List of Links

<http://www.facebook.com/eceosu>

<http://twitter.com/OhioStateECE>

<http://go.osu.edu/ece-linkedin>

<http://youtube.com/user/ECEosu>

<http://meetup.com/OSUECE-Alumni>

# Coming Soon

- The CHHPE Industry Consortium Event pictures and scholarship winners.
- OHi/O Hackathon video, pictures and ECE award winners.