

ECE Weekly

The Ohio State University Department of Electrical and Computer Engineering



Ertin advises presidential group on tech healthcare

Ohio State Electrical and Computer Engineering professor **Emre Ertin** was among a group of national experts asked to advise a healthcare tech initiative created by president Barack Obama. Ertin develops body sensors to gather patient data for more personalized care. He recently spoke at the National Institutes of Health (NIH) Precision Medicine Initiative (PMI) Mobile and Personal Technologies Workshop in California. Specifically, he discussed wearable physiological sensors and how they relate to patient behavior. Learn more at: <http://go.osu.edu/ertin>

Enigma Machine Talk

It was a standing-room only crowd (pictured above) for the Wednesday night German enigma machine discussion led by Jason Armstrong. Find more pics at: <http://go.osu.edu/enigmapics>



ECE ALUMNI MEETUP

The Ohio State University

Check out a new video showcasing the recent MeetUp alumni social/tech event at Nikola Labs and IKOVE. Alumna **Ritu Singh** also says a few words about why she stopped by that night. Link: <http://go.osu.edu/Meetup2>

Safety at Intersections

ECE Intelligent Transportation Systems (ITS) researcher **Arda Kurt** recently co-authored a project with colleagues from North Carolina A&T State University, in which they study how advanced driver assistance systems may help safely resolve complex road situations, like the dreaded left-hand turn at the intersection. The goal of the research is to develop driver behavior models to make accurate predictions for different reactions during pre-crash scenarios. Learn more about the work at <http://go.osu.edu/intersection>



In Memoriam...

Fellow staff and faculty are purchasing a memorial stone paver to honor longtime and respected ECE staff member **Margaret Dodd**, who passed away recently. For those who would like to assist with costs, contact Ray Feast at feast.1@osu.edu by Tuesday evening, 9/15/15 as the purchase occurs on Wednesday.

Renewable electric energy systems research

The National Science Foundation awarded a grant to Ohio State for research on renewable-dominated electric energy systems. Climate change and other pressures will eventually force the world to transition to renewable energy sources, which will affect how electricity is produced, distributed and consumed. Principal investigators ECE's **Antonio Conejo** and **Ramtean Sioshansi**, Integrated Systems Engineering, analyze the broad impacts of renewable integration and study how the existing energy system can transition efficiently to a renewable-dominated design. Award note: <http://go.osu.edu/conejo>

ECE List of Links

<http://www.facebook.com/eceosu>
<http://twitter.com/OhioStateECE>
<http://go.osu.edu/ece-linkedln>
<http://youtube.com/user/ECEosu>
<http://meetup.com/OSUECE-Alumni>

MEETUP

Nanotech West Lab, Oct. 1, 6-8 p.m.

Join us for the next Meetup tech social event series at Ohio State's Nanotech West Lab (1381 Kinnear Road, Columbus, OH 43210). Tour and learn about its role in the industries of electronics, optics, advanced materials, energy, biology and medicine. Light food served. The lab supports numerous projects for ECE as well. RSVP here: <http://go.osu.edu/nano>

Notes...

- EE alumnus and longtime HP exec, **Vyomesh Joshi**, joins Conduce. Story: <http://go.osu.edu/joshi>
- @OhioStateECE alumnus **G.W. Baughman's** insightful words from 1962 featured in new RailwayAge article about future crew-less smart trains and the growing concept of self-driving transportation. Story: <http://go.osu.edu/baughman>