

ECE Weekly

The Ohio State University | Department of Electrical & Computer Engineering

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ECE Faculty Spotlight: Mahesh Illindala



When he isn't teaching upper level courses in power electronics or sustainable energy, ECE associate professor **Mahesh Illindala** is probably conducting in-depth research on microgrids at The Ohio State University. And when he isn't finding the answers to the future of electrical engineering, he's probably giving his time to student outreach. Learn more about his work in this Q&A story: <http://go.osu.edu/millindala>



CHPPE holds open house

The Center for High Performance Power Electronics (CHPPE) at Ohio State holds a one-day open house event today, Oct. 6, 10 a.m., at the Fawcett Center, 2400 Olentangy River Rd. in the conference theater. Learn about CHPPE's latest research and projects, take a lab tour, and talk to professors and students. Established in 2010, CHPPE is a multi-million-dollar world-class power electronics laboratory specifically designed to exploit the high temperature, high frequency and high efficiency capabilities of wide bandgap semiconductors for power electronics circuits. Contact chppe.osu@gmail.com for more information on the event.

ESL 75th Anniversary Feature: Christopher Ball

As scientific collaborations between The Ohio State University and government/industry grow, ElectroScience Lab (ESL) Research Scientist **Christopher Ball** performs a key role.

"Everything I do contains some fairly substantial collaboration," Ball said. "(ESL is) kind of the glue that brings it all together and makes it work."

Located on Kinnear Road, ESL often combines research efforts with entities such as NASA's Goddard Space Flight Center or Jet Propulsion Lab, along with Blue Canyon Technologies in Colorado, Battelle in Columbus, or other regional scientific agencies.

Ball is part of an ESL research team that recently won **\$1.2 million** in NASA funding as part of the Advanced Information Systems Technology (AIST) program. In addition, the group received **\$5.6 million** in 2015 from NASA's Science Mission Directorate to lead the development of NASA's CubeSat Radiometer Radio Frequency Interference Technology Validation (CubeRRT) project.

Full story: <http://go.osu.edu/ball75>



techHUB

SHOP. LEARN. EXPLORE.

Tech Hub at Ohio State is accepting student grant submissions (both grad and undergrad) until October 29. With an extra \$5,000 in funding, this year promises more support for student research. Details: <http://go.osu.edu/thgrant>

ESL 75th Anniversary video

Since 1942, Ohio State's ElectroScience Laboratory has been a leader in combining education and research to power innovation. Take a peek inside and learn about some of the research that's currently underway:

Video: <http://go.osu.edu/eslvid>

Playing wireless defense

Emre Koksal, PhD, teamed up with the Center for Automotive Research (CAR) to increase the accuracy and security of wireless vehicular communication.



Full story: <http://go.osu.edu/car-koksal>



@OhioStateECE Alumni Tailgate Event Saturday

Friends in the Department of Electrical and Computer Engineering and the EE/ECE Alumni Society are attending a pre-game Homecoming tailgate party, which includes a lunch buffet, entertainment, and interactive displays. The event runs from 12:00-3:00pm Saturday on the patio between Knowlton and Hitchcock halls. More: <http://go.osu.edu/ecetg17>