

## MakeOHI/O Hackathon Recap and Winners



spontaneous student innovation. Over 24 sleepless hours, from March 4 to 5 at Knowlton Hall on campus, students designed tech ideas, working as teams to develop and then present their creations. Find the whole list of winners and a recap here:

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

A solar powered self-watering plant feeder, the ultimate decked-out cooler, an LED bike navigation system, a color-coded Skittle sorter and so much more.

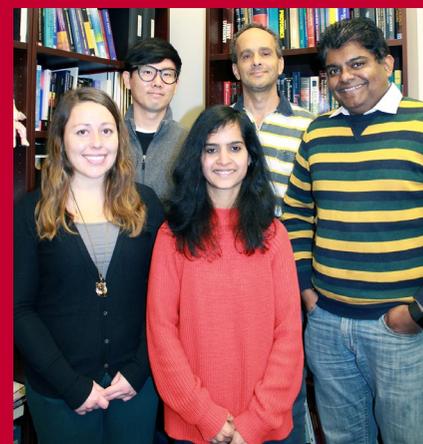
The annual **MakeOHI/O** hardware hackathon at The Ohio State University continues to earn its place as a growing venue for showcasing

### VIDEO RECAP:

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

### PICTURES:

<http://go.osu.edu/make17pix>



## New ECE team for Discovery Themes

The ECE department welcomed its newest faculty member in January, the first in support of The Ohio State University's ongoing Discovery Themes Initiative.

**Dr. Sanjay Krishna** joined ECE as professor and George R. Smith Chair in Engineering, assisting Ohio State's Materials and Manufacturing for Sustainability (M&MS) Discovery Theme led by professor **Steven Ringel**.

The M&MS Discovery Theme is an effort at Ohio State to create pre-eminence in materials and technologies for sustainability, focusing on innovation and industry deployment. Find more information about Krishna's team and research:

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

Watch a video of him explaining his new role at Ohio State:

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

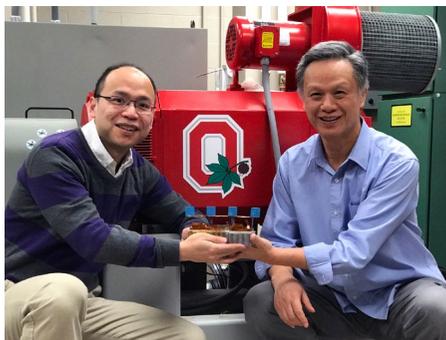
## Advancing electric propulsion, in the air and on the ground

Researchers at Ohio State just got a boost in their efforts to advance electric power efficiency in the air and on the ground.

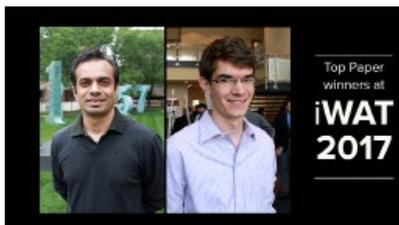
In total, Ohio State College of Engineering projects related to national defense, space exploration and aeronautics won more than \$5 million through the Ohio Federal Research Network (OFRN) – contributing to the network's ultimate goal of attracting \$350 million in outside investment to the state and creating 2,500 Ohio jobs over the next five years.

Among those awarded, a research team led by professors **Fang Luo** and **Longya Xu** aims to see beyond the current capabilities of power-density and efficiency in all-electric motor and power converters. Their work is provided \$1.5 million over the next three years.

Learn more here: <http://go.osu.edu/ofrn17>



## Students take first and third at iWAT



Two ECE PhD students took home top honors at the International Workshop on Antenna Technologies (iWAT). **Shubhendu Bhardwaj** and **Markus Novak** won the first and third best paper prizes, respectively, at the conference that took place March 1-3 in Athens, Greece. Story: <http://go.osu.edu/iwat>

## Team wins \$3 million to advance infrared detector technologies

Barely a month into their new roles, Krishna's team already landed a potential \$3 million grant from the High Energy Laser Joint Technology Office (HEL-JTO) Multidisciplinary Research Initiative (MRI) Program, under the Secretary of Defense for Science and Technology, (DUSDS&T).

Learn more about the award:

<http://go.osu.edu/infrared1>





## Chipengo takes first at university graduate research forum

An ECE student rose to the top in a recent university-wide research forum.

**Ushemadzoro "Ushe" Chipengo** earned first place at the annual Edward F. Hayes Graduate Research Forum held March 3.

Chipengo said the win helped him gain confidence in his work, especially among Ohio State's engineering departments.

Learn more about the award and his research at:

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



## Esteemed ECE grad featured

ECE alumna **Yilu Liu** spoke recently at Ohio State. Her work in power systems was also just

featured by MilTech. More: <http://go.osu.edu/yl>

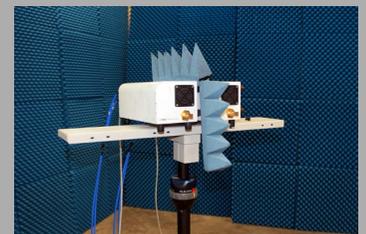
## AFRL visits ESL research team



Members of the **Air Force Research Lab** team visited the ElectroScience Lab to learn more about **Graeme Smith** and his team's current research work.

Pictures:

<http://go.osu.edu/afrl1>



## ECE alumnus named CEO of Materion



Ohio State ECE alumnus **Jugal K. Vijayvargiya** was recently named CEO of the Mayfield Heights-based advanced materials supplier, Materion Corp. More:

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

## IEEE Grads hold social night

Join IEEE-GSB for a fun and casual networking night at Ethyl and Tank March 14 (Tuesday).

Interact with fellow ECE graduate students with free appetizers (while they last). Register and learn more here:

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



Denver-based ECE alumni, we're headed your way. The Ohio State College of Engineering is holding a special night for you Thursday, April 6. Get the details:

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

Find past issues of ECE Weekly at:  
<https://ece.osu.edu/ece-weekly-newsletter>

# ECE Weekly

## In Memory

ECE student dies in tragic car accident:

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