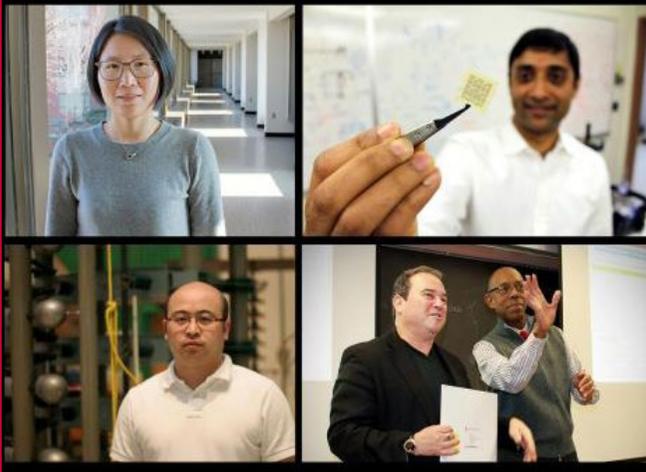


ECE Weekly

The Ohio State University Department of Electrical and Computer Engineering



ECE teams earn \$3 million in DOE awards to advance energy research

Ohio State engineering researchers are shining light on gallium nitride as a semiconductor with more potential to improve electricity efficiency and effectiveness. They recently received two separate awards from the U.S. Department of Energy (DOE). Learn more about the two projects: <http://go.osu.edu/doeECE>



El Gamal named National Academy of Inventors Fellow

Hesham El Gamal, professor and chair of Ohio State's Department of Electrical and Computer Engineering, was one of 148 academic inventors awarded the title of Fellow by the National Academy of Inventors. The award is given to faculty who have "demonstrated a prolific spirit of innovation in creating or facilitating outstanding inventions and innovations that have made a tangible impact on quality of life, economic development and the welfare of society."

More: <http://go.osu.edu/ElGamalnai>

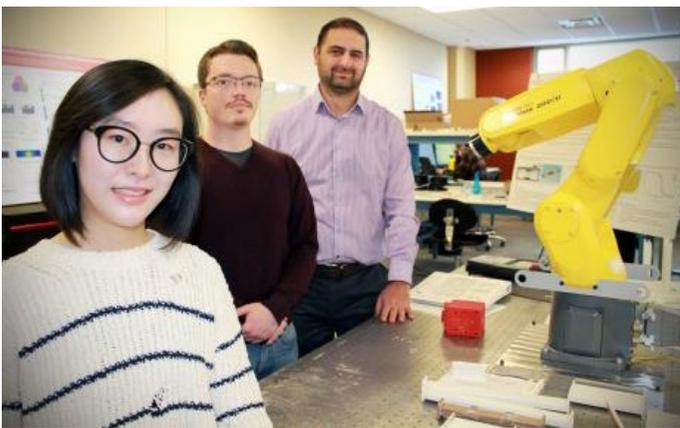


ECE Student Spotlight

People choose where they study based on a variety of factors, and it's often a difficult decision to make. For **Subiksha Madhavan Reshikeshan**, it was easy. Research led her toward earning a Ph.D. from Ohio State.

More: <http://go.osu.edu/Reshikeshan>

NSF CAREER Award for next-gen millimeter wave devices



New research at The Ohio State University could help lead to a new generation of radio frequency devices capable of advancing space communications, smart phones and even self-driving cars. The point is about rethinking the entire design and make-up of the materials used to make such devices, from the ground up. For his efforts in this realm, Ohio State Electrical and Computer Engineering Assistant Professor **Nima Ghalichechian** recently earned the National Science Foundation 2019 Faculty Early Career Development (CAREER) award. It provides \$500,000 in new funding over the next five years for his proposal, "CAREER: Understanding and Exploiting Non-linear Behavior of Phase-Change Materials for Millimeter-Wave Applications."

He is working alongside first-year Ohio State Ph.D. student **Mark Lust** and third-year Ph.D. student **Shangyi Chen**.

Story: <http://go.osu.edu/nima-CAREER>



ECE Night 2019

For soon-to-be graduates, the variety of career paths available for Electrical and Computer Engineering degrees from Ohio State are overwhelming. Fortunately, there are extensive opportunities to talk with Ohio State alumni to ease those concerns, such as the annual ECE Night 2019.

Full story: <http://go.osu.edu/ECENIGHT2019>



Faculty Spotlight

With her extensive education, **Saeedeh Ziaeeefard** is used to being a student. However, in her new position at Ohio State, she finds herself in an unexpected role - faculty member. Ziaeeefard joined Ohio State's Electrical and Computer Engineering department as a lecturer in September. More:

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