

ECE Weekly

Ed_7.21.16

The Ohio State University Department of Electrical and Computer Engineering



Liu wins National Science Foundation CIF Grant

The National Science Foundation announced ECE Research Assistant Professor **Kevin Liu** won the prestigious Communications and Information Foundations (CIF) Grant. In total, Liu will receive \$317,896 for his work based on the research, "Taming Convergence and Delay in Stochastic Network Optimization with Hessian

Information."

Liu's theoretical approaches strive to help advance the resource control and optimization algorithms behind next generation complex networks, making them rapidly approach the optimal operation states in terms of network throughput and end-to-end latency. His research focus is within the areas of network control and optimization, data analytics, and cyber-physical systems (CPS).

Find the full story at: <http://go.osu.edu/cif-liu>



RF Microsystems Research Group

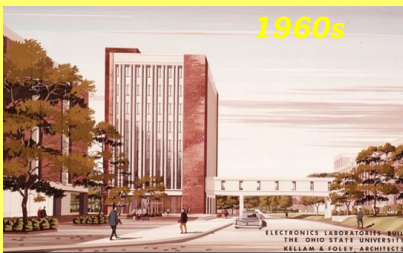
Learn about the **RF Microsystems Research Group**, complete with new website. It provides a one-stop-shop for information on current work and student projects.

Find more at the link: <http://go.osu.edu/rf-micro>

Dreese, Yesterday and Today...



2016



1960s

Radiation and Robots: Saving Lives Through Technology

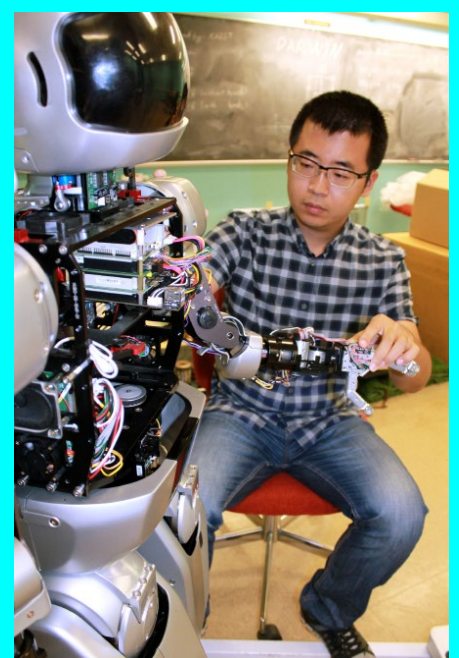
When it comes to understanding the effects of radiation on robotic motors, researchers at The Ohio State University are doing their part to help save human lives.

ECE PhD student **Hongfei Wang** is the principal investigator behind research recently published in IEEEExplore, which seeks to equip robots with the proper technology to withstand the damaging power of radiation. ECE co-authors include fellow PhD student **Shimeng Li** and advising professor **Yuan Zheng**.

The work is important for helping to advance robotics to replace humans in emergency response scenarios.

Find the full story at the link:

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



ECE in the News...



Thanks to **1870 Magazine** for the feature on e-textiles research at ESL. Full story: <http://go.osu.edu/1870-e>



Ohio State electric motorcycle team takes project to new heights

Three days before the Pikes Peak International Hill Climb in late June, Ohio's State student electric motorcycle team, named Buckeye Current,...

NBC4.COM

Ben Gelber over at CH4 News did a nice feature on the **Buckeye Current** electric motorcycle racing team. Includes great GoPro footage from the Pikes Peak race.

Find the video here:

<http://go.osu.edu/bc-ch4>

The **WIE RISE** science camp visited Dreese recently. Pictures at the link:

<http://go.osu.edu/rise-16>

