September 2018 Media Report

Oct. 1, 2018

A monthly look at the media is reporting on the MSU Engineering community

The College of Engineering is well represented in a paid promotion in the New York Times, created by MSU’s Communications and Brand Strategy.

- Richard Lunt, the Johansen Crosby Endowed Associate Professor of chemical engineering and materials sciences, was selected to lead this sponsored news package – “A New Superpower on the Horizon.” Also featured are:

- Hayder Radha, professor of electrical and computer engineering, and MSU’s autonomous and connected vehicle research in CANVAS – “Safer Autonomous Vehicles,” and

- “Brave New Medical Discoveries” featuring IQ and BME Director Christopher Contag.

MSU and its partners will receive a competitive $2 million award from the U.S. Department of Energy’s Advanced Research Projects Agency-Energy (ARPA-E) to develop innovative designs for long-duration storage on the U.S power grid. Mechanical engineering professors James Klausner and Joerg Petrasch are co-investigators on “Scalable Thermochemical Option for Renewable Energy Storage (STORES).”
MSU has invented a proof-of-concept blood pressure app that can give accurate readings using an iPhone - with no special equipment. The discovery, featured in the current issue of *Scientific Reports*, was made by a team of scientists led by Ramakrishna Mukkamala, professor of electrical and computer engineering.

*Facial recognition goes mainstream* -- “It is likely that some of the data that we have provided in the past will come back to haunt us,” said Arun Ross, professor of computer science and engineering at MSU. “We will discover it is providing insights into our lives that we never thought possible.”

Consumers Energy unveils new large battery to store renewable energy. Consumers, MSU, and WMU engineering students will help with a yearlong study to see how battery powered energy could be used around Michigan.
Chemical engineer Shiwang Cheng received the 2018 Peter Debye Prize for Young Investigators in Dielectric Research by the International Dielectric Society in Brussels in August. The assistant professor of chemical engineering and materials science was recognized for his significant results on polymer nanocomposites.

MSUToday

Yunhao Liu of computer science and engineering and Peter Savolinen of civil and environmental engineering have been named MSU Foundation Professors. The designation is given to outstanding faculty members who demonstrate excellence in research and teaching, while enhancing the prominence of the institution.

MSUToday

MSU’s Institute for Cyber-Enabled Research, in collaboration with the College of Engineering, has been awarded a three-year $269,547 National Science Foundation International Research Experience for Students grant to support U.S.-China collaboration on the development and enhancement of software and algorithms for supercomputers with emerging architectures.

MSUToday

New MSU app makes getting around campus easier. It began as a Design Day project by a team of computer science seniors.

MSUToday
State News

Michigan State welcomed NASA astronaut Michael Foale to campus. He was hosted by Patton Allison of mechanical engineering.

State News – Q&A
State News - Feature story

MSU’s College of Engineering brought STEM activities to the Second Annual East Lansing Robotics Fest on Sept. 16. “This is a great way to expose kids to a STEM field,” said Andrew Kim, assistant to the dean of the College of Engineering.

State News

Construction begins on new $100 million STEM facility at MSU.

Plant Services

MSU to share $9 million from the U.S. Department of Energy to study advanced car technologies. Michigan State University will receive $967,662 for research that includes biofuels.

Detroit News

If zoos have a lot of one thing, it’s manure. That’s why the Detroit Zoo turned to MSU researcher Dana Kirk to convert manure into power. He is an assistant professor of biosystems and agricultural engineering.

Michigan Radio

Alumni
Michigan State’s missing dragster: Spartan Engineering alumni are trying to find their missing SAE racecar, last seen in 1974.

Lansing State Journal
Hot Rod Network

Students
Good video story on Erin McDonald, a senior in applied engineering sciences and member of the Spartan cross country team. The video includes Erin’s mother, Maura McDonald (EA ’87), who received the AES Distinguished Alumni Award in 2015.

Spartans All-Access

Mechanical engineering senior Katie Frayer is helping MSU celebrate its new permanent standing wheelchair hockey floor in Demonstration Hall and explains the importance of this “first in the world” achievement. She is a founding member of the MSU Adaptive Sports & Recreation Club.

WLNS TV 6 Lansing

Preetam Giri, a PhD student in chemical engineering, was honored at the Society of Plastics Engineers Automotive Composites Conference & Exhibition (ACCE) in Novi in early September. Giri received an ACCE scholarship. His advisor is University Distinguished Professor of Chemical Engineering and Materials Science Ramani Narayan.

Composites World

Senior Kayla Kavulich is balancing her studies in chemical engineering with an elite running career in MSU track and cross country. She is a second-generation Spartan athlete.

State News

Caleb Tesluck, a freshman in computer science at MSU, is this year’s recipient of the Marvin Longuski Scholarship.

Port Huron Times Herald

John Kaufmann, a senior in chemical engineering, won a $15,000 scholarship in the Greatness Is Earned Scholarship Award program from Six Star Pro Nutrition®.

Omaha World Herald

News note/MSU --
ASEE First Bell posted the Associated Press story on MSU’s efforts to study communications after Hurricane Maria devastated Puerto Rico.

ASEE First Bell
MSU Pride Point
• Sept. 21: MSU chemical engineer Shiwang Cheng received the 2018 Peter Debye Prize for Young Investigators in Dielectric Research by the International Dielectric Society for “significant results on polymer nanocomposites.”

Related Website: Communications contact: Patricia Mroczek