A monthly look at what is being written about MSU Engineering by media

Michigan State University in East Lansing is working with two other universities to develop a freshwater recovery system to extract clean irrigation water from hydraulic fracking wastewater. The reclaimed water could help western states that need it for crops and livestock. Investigators are Andre Benard, working with James Klausner, both of the Department of Mechanical Engineering.

Biodegradable shopping bags buried for three years still work. - "There is no magical degradable material that will break down in a very short time in all environments that you expose it to. That does not exist," says Ramani Narayan, a chemical engineer at MSU and expert on biodegradables.

The good work of Professor Laura Dillon, of the Department of Computer Science and Engineering, and the College of Engineering’s ongoing work in Inclusion & Diversity and outreach activities, were featured in:

• As Laura Dillon prepares to retire from MSU, hear what she has to say about the good work going on to attract more girls and women into computer science. WKAR - MSUToday Radio

Experts weigh in on how much heavy trucks damage the roads. Michigan's highest-in-the-nation gross truck weights are responsible for significant damage to state roads and bridges, experts say, despite years of denials from the Michigan Department of Transportation. Larry Galehouse, founder and past director of the National Center for Pavement Preservation at MSU, said Michigan's high gross weight limits contribute significantly to road damage. Karim Chatti, professor in the Department of Civil and Environmental Engineering and director of the University Transportation Center for Highway Pavement Preservation is a national leader on the effects of dynamic loading.

Venkatesh Kodur, professor in the Department of Civil and Environmental Engineering, served as an international expert to explain the science and devastation of large structure fires following the April 15 fire at Notre Dame Cathedral in Paris.
Inc. Magazine (circulation 711,000+) names MSU and IACMI in an article on “When Should You Collaborate and When Should you Compete?” The article discusses how arch rivals in business and industry collaborate to discover but compete to develop and build. 

Sophia Lunt, adjunct assistant professor in the Department of Chemical Engineering and Materials Science, is featured in The Scientist.

Arun Ross of the Department of Computer Science and Engineering is quoted in UnDark on the security vulnerabilities of handheld devices.

Susan Masten, professor in the Department of Civil and Environmental Engineering, provided expert commentary on lead pipes for the Battle Creek Enquirer in the story, “Battle Creek has 4,600 lead water service lines and 20 years to remove them.”

Almost 1,000 undergraduate engineering students from dozens of universities around the country came to MSU April 5-7 for ASME E-Fest North. The event was hosted by the Department of Mechanical Engineering.

More than 1,000+ students participated in the 25th Spring Design Day on Friday, April 26.

MSU’s growing expertise in additive manufacturing and high-efficiency power generation has been recognized by the U.S. Department of Energy’s Advanced Research Projects Agency-Energy (ARPA-E) with a new $2.3 million project.
It is the third national ARPA-E grant for the Department of **Mechanical Engineering** in less than six months. 

**Tech Century (Engineering Society of Detroit)**

Joyce Foley was honored as co-recipient of MSU’s Spring 2019 Unit Research Administrator Spotlight Award. She has worked at MSU for 44 years and 16 years in the Department of **Electrical and Computer Engineering**.

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MSU Foundation Professor **James Klausner** has been named a Fellow by the American Society of Thermal and Fluid Engineers, a premier international society for professionals in the thermal and fluids science and engineering community. He chairs the Department of **Mechanical Engineering**.

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Faculty members **Metin Aktulga** and **Jiliang Tang** of the Department of **Computer Science and Engineering** each received prestigious NSF CAREER Awards in 2019.

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**Ramakrishna Mukkamala**, professor in the Department of **Electrical and Computer Engineering**, received the MSU Innovation of the Year Award on April 18 at the 2019 MSU Innovation Celebration.

**MSUToday**

**Current Students**

Q & A with the four candidates from the College of Engineering running for the Associated Students of MSU. See what students Ryan Aridi, Anna Kolb, Alexis Haselwanter, and Christian Stack had to say.

**State News**

**Alumni**

The original Sparty revealed – and he was a Spartan Engineer! Electrical engineer Dave Russell has fessed up. In 1989, he was the first Spartan to don the full-body foam and rubber warrior body in the modern Sparty era. He tells the Detroit Free Press it was a “blessing.”

**Detroit Free Press**

**USAToday**

**MSU Pride Points**

- **April 9** – Erin Purcell, assistant professor of biomedical engineering is improving brain implants used to treat Alzheimer’s, Parkinson’s, depression and traumatic brain injuries, thanks to a $1.8 million NIH R01 grant.
- **April 26** – Today marks the largest ever Design Day in the College of Engineering, an academic celebration of the innovation of Spartan Engineering students.
- **April 30** – The MSU VEX U Robotics Team has returned from the VEX World Championship games April 24-27 in Louisville, Kentucky. MSU’s team competed against 80 college VEX teams from around the world.
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