

Rossin Connection, Fall 2019, Vol. 4

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LEHIGH UNIVERSITY

P.C. Rossin College of Engineering and Applied Science

Fall 2019, Volume 4

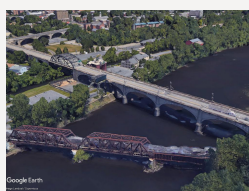
Rossin Connection



Diving into the social impact of water science

On October 29, NAE member and Michigan State University professor **Joan Rose** will deliver the inaugural Distinguished Water Lecture, "Linking Animal and Human Sources of Water Pollution to the Landscape." **Arup SenGupta** (CEE/ChBE) recently led an interdisciplinary faculty team in founding this new public lecture series to bring top researchers, innovators, and policy makers in water science to Lehigh's campus.

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BRIDGING THE GAP

A new model developed by CEE postdoc **David Yang** and professor **Dan M. Frangopol** combines climatology, hydrology, structural engineering, and risk assessment to determine the effects of climate change on bridges. Their recently published work on bridge scour risk applied the approach to the Lehigh River Watershed. [Read More](#)

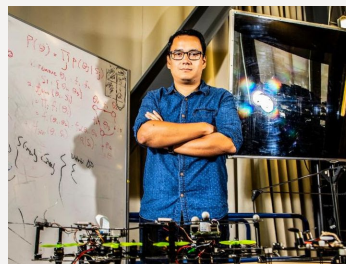
ADVANCING TISSUE ENGINEERING



The **Chow Lab** is using a new 3-D printing platform to create continuous, highly organized scaffolds to regenerate two different tissues—an approach that may hold promise for the treatment of osteoarthritis.

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THE FUTURE OF FLYING ROBOTS



CSE professor **David Saldaña**'s work has made drones in multi-robot systems smaller and more efficient. The department will offer an intro course to Mobile Robotics in Spring 2020. [Read More](#)

Engineering Events & Updates

October 8 & October 24

2020 Global Social Impact Fellowship and Lehigh Valley Social Impact Fellowship info sessions; Office of Creative Inquiry [Read More](#)

October 9

A Touch of Sugar; documentary screening and panel; Healthcare Systems Engineering [Read More](#)

October 14-15

Robot Learning Workshop; Institute for Data, Intelligent Systems and Computation (I-DISC) [Read More](#)

October 19

13th Annual Financial Services Forum; Lehigh University Wall Street Council [Read More](#)

October 22

Creativate project exhibition; Baker Institute [Read More](#)

November 15

2019 Quant Financial Engineering Conference; College of Business [Read More](#)

November 18-19

Lehigh Materials Symposium and Open House; *Bridging the Industry-Academic Gap in Materials Research*; Institute for Functional Materials and Devices (I-FMD) [Read More](#)



LIST YOUR EVENT

To add your event to the Lehigh Engineering website, first create a listing on the [Lehigh Events Calendar](#): Click "Submit an Event," log in, and select Rossin College **OR** a specific engineering department/program.



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EVENTS
CALENDAR**

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More News



Top experts from a range of disciplines shared the latest techniques in machine learning and discussed pressing challenges at the Foundational & Applied Data Science for Molecular and Material Science & Engineering workshop hosted by the **Institute for Data, Intelligent Systems, and Computation** (I-DISC) in May. [Read more](#)

Through the **Enterprise Systems Center**, an interdisciplinary team of students were matched with Big Brothers Big Sisters of the Lehigh Valley to help the nonprofit connect more kids with mentors—faster. [Read More](#)

The **Civil Engineering** program has been ranked among the top five in the world, according to the 2019 Academic Ranking of World Universities (ARWU); it was also the highest ranked U.S. program on this year's list. [Read More](#)

Rick Blum (ECE) has been sharing his IOT cybersecurity expertise, delivering talks across the country and the world as an IEEE Distinguished Lecture. [Read More](#)



P.C. Rossin College of
Engineering and Applied Science

ROSSIN CONNECTION

News and events for the Lehigh
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