

Volume 05 | December 22, 2020



HENRY M. ROWAN
COLLEGE OF ENGINEERING

Message From the Dean

Dear Friends and Colleagues,

I hope that this holiday season finds you safe and healthy and preparing for a wonderful 2021. In this season of giving, we wanted to give you all an update on what the Henry M. Rowan College of Engineering was accomplishing this semester. Please see a sampling of what our students and faculty have been doing below and look out for our annual report early in the new year!

Happy Holidays and Happy New Year!!

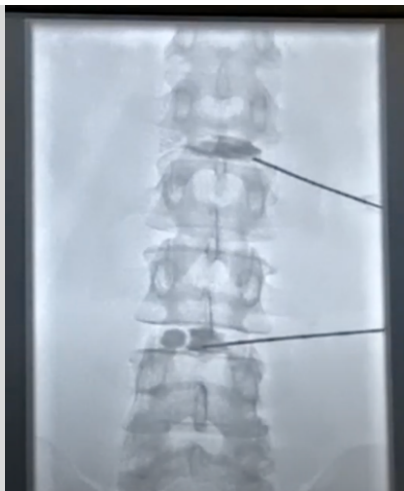
Sincerely,
Dr. Stephanie Farrell
Interim Dean of the Henry M. Rowan College of Engineering

Visit our Website



The video above is a virtual tour that was created for use during our virtual open houses. It shows our facilities and speaks about our programs. To watch our virtual open houses, please [CLICK HERE!](#)

ReGelTec, Inc., a Rowan Innovation
Venture Fund investment, receives FDA



breakthrough designation for its HYDRASIL™ System

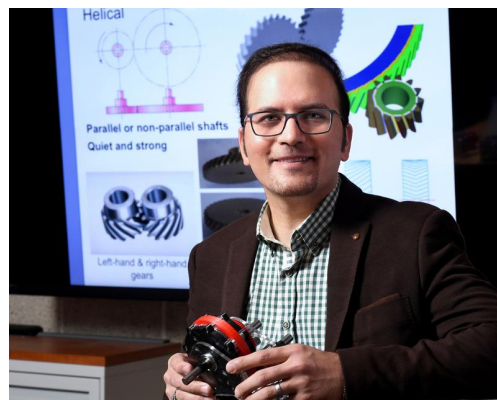
ReGelTec, Inc., a medical device company developing a treatment for chronic low back pain, has received breakthrough device designation for its HYDRASIL System from the Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration (FDA).

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Rowan engineers seek to revolutionize education using artificial intelligence

Dr. Amir K. Miri, a mechanical engineering assistant professor at the Henry M. Rowan College of Engineering, recently received a \$50,000 I-Corps grant to measure the market demand for his proposal. The program helps scientists interested in commercializing their ideas.

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Engineering faculty, students probe satellite-Bluetooth connection

Assistant Professor of Electrical & Computer Engineering Dr. Sangho Shin is conducting research into the versatile power of wireless technology like Bluetooth for use in "nano satellites," small devices roughly ten centimeters cubed that NASA is sending out into the cosmos.

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Air Force veteran soars in Rowan's Materials Science & Engineering doctoral program

When Greg Taylor graduates from Rowan University with his Ph.D., the Materials Science & Engineering faculty will celebrate a milestone along with him. The Magnolia resident is expected to be the first to earn a doctoral degree from the interdisciplinary new program that brings together the College of Science & Mathematics and the Henry M. Rowan College of Engineering.

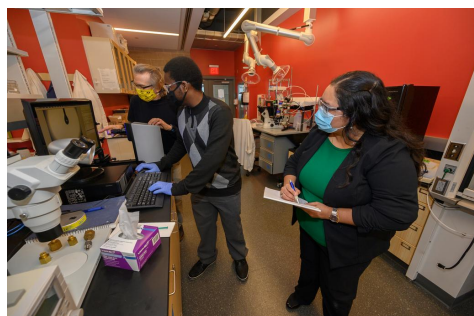


[Read More](#)**Navy, Rowan renew educational partnership**

Naval Air Warfare Center Aircraft Division (NAWCAD) Lakehurst and Rowan University recently renewed their Educational Partnership Agreement (EPA) to continue spreading awareness of Navy employment opportunities and inspiring students to enter science, technology, engineering and mathematics (STEM) career fields.

[Read More](#)**Rowan researchers find cost-effective method to cut greenhouse gas**

Rowan University researchers and their partners at Sekisui Chemical have figured out how to efficiently convert a greenhouse gas into useful materials that can be sold to make new products like plastics.

[Read More](#)**With EPA grant, Rowan chemical engineers work to minimize waste**

Is it possible to reduce waste from petroleum and lube oil production? Dr. Kirti M. Yenkie, assistant professor, has some ideas. Yenkie and her team of chemical engineering researchers recently received a \$299,974 two-year grant from the U.S. Environmental Protection Agency for a project to optimize pipeline cleaning and flushing operations that could slash waste generation and save the petrochemicals and lube oil industry millions of dollars.

[Read More](#)**Building better engineers: ExEEd researchers work to innovate, save lives**

Future chemical engineers sweat through an immersive digital game built to teach a critical lesson: staying safe in the workplace isn't as easy as it appears. Created by ExEEd in collaboration with its partners and developed as part of a NSF grant, the game is much better at predicting a person's real-world responses than traditional electronic surveys, according to new research published in the Australasian Journal of Engineering Education.

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Rowan Engineering CREATES 'more than just pavements'

At Rowan University's Center for Research and Education in Advanced Transportation Engineering Systems, Dr. Yusuf Mehta and his fellow engineers are studying ways to improve streets, airfields and the traffic that rumbles along them.

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AIChE Honors Interim Dean, Dr. Stephanie Farrell with the Award for Service to Chemical Engineering Education

Stephanie Farrell, Ph.D., professor and founding chair of experiential engineering education, and interim dean of the Henry M. Rowan College of Engineering at Rowan University, received the Award for Service to Chemical Engineering Education.

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