

protoTYPE

NEWS FROM VILLANOVA ENGINEERING

September 2016



Dear Friends,

Each summer seems to pass more quickly than the last! It's hard to believe we have already welcomed the roughly 250 members of the Class of 2020, and commenced with fall courses. We're all looking forward to what the semester will bring, including the Engineering Alumni Society Awards reception on October 22, and the RobotX competition in December. Learn more about each of these events, as well as faculty and student achievements, in this issue of protoTYPE.

Enjoy!

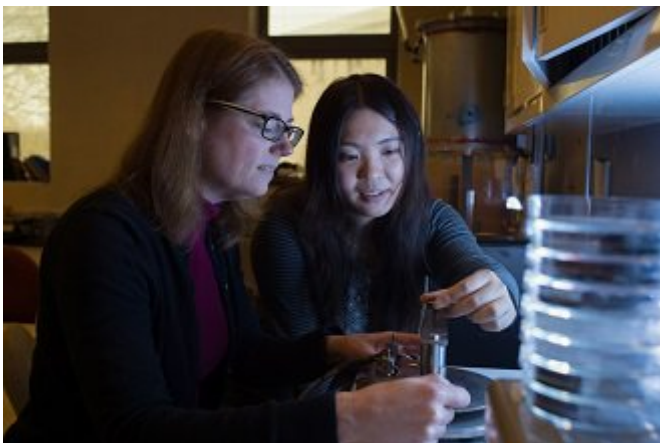
Gary A. Gabriele, PhD
Drosdick Endowed Dean of Engineering



What I Did On My Summer Vacation

In case you weren't following our Facebook and Instagram series, check out these stories from students and faculty who kept busy this summer with a wide range of activities, from conferences and continuing education, to internships and international travel.

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Dr. Amy Fleischer Publishes National Op-Ed

In "Legos Are Among the Building Blocks of STEM," Dr. Fleischer writes that 'Women of NASA' set will help inspire the next generation of female scientists and engineers.

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Upcoming Events

SEP 16 Parents' Weekend
Sept. 16-18

SEPT 24 St. Thomas of Villanova Celebration and Day of Service

OCT 21 Homecoming 2016
Oct. 21-22

OCT 22 Engineering Alumni Society Awards
Villanova Room, 6-9 p.m.

NOV Special Olympics

[Team Wins Gold in Cyber](#)



Analyst Challenge

Award takes team to 2016 National Cyber Analyst Challenge finals.

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Nov. 4 - 6



Professor Awarded Six-Figure Grant for Stormwater Research

Dr. Andrea Welker, the College's new Associate Dean of Academic Affairs, was awarded nearly \$380,000 from the William Penn Foundation for stormwater research.

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CEE Faculty Win National Award

ASEE awarded Drs. Shawn Gross and Eric Musselman for best paper on a topic in Civil Engineering. Dr. Andrea Welker was recognized in the Best Diversity Paper Competition.

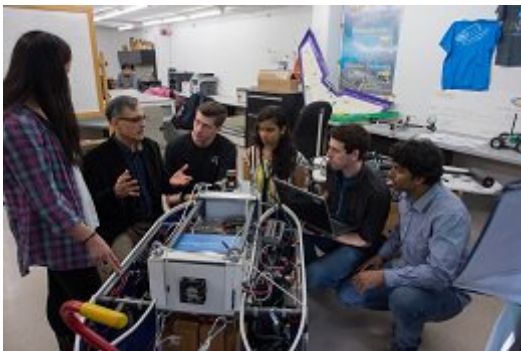
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Professor Named to Executive Committee

Dr. Amy Fleischer was elected to a five-year term on the executive committee of the American Society of Mechanical Engineers' Electronics and Photonics Packaging Division.

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Seeking Partners and Support for RobotX 2016

The international competition that took Villanova engineering students to Singapore in 2014 is now headed to Oahu, Hawaii. Learn how you can support the team!

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College Presents 2nd Annual NovaEDGE

Thirty diverse high school students came to campus for a one week, hands-on introduction to a variety of engineering disciplines, as well as a taste of campus life.

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College Introduces Engineering Entrepreneurship Certificate

The College's newest graduate certificate will equip engineers with an entrepreneurial mindset that will enable them to contribute to business success.

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Did You Know?

Villanova's College of Engineering offers 9 master's degree programs, 15 graduate certificates and a PhD? And most courses are available online!

[More](#)



In Memoriam: Thomas Hanratty, PhD, '47 ChE

Villanova Engineering alumnus Dr. Thomas Hanratty died on August 24, 2016 in Urbana, IL. A leading researcher in the field of fluid mechanics, he was elected to the National Academy of Engineering, the National Science Foundation and the American Academy of Arts and Sciences. The American Institute of Chemical Engineers named him one of the most influential chemical engineers of the post-World War II era.

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