

protoTYPE

NEWS FROM VILLANOVA ENGINEERING

April 2017



Gary A. Gabriele, PhD

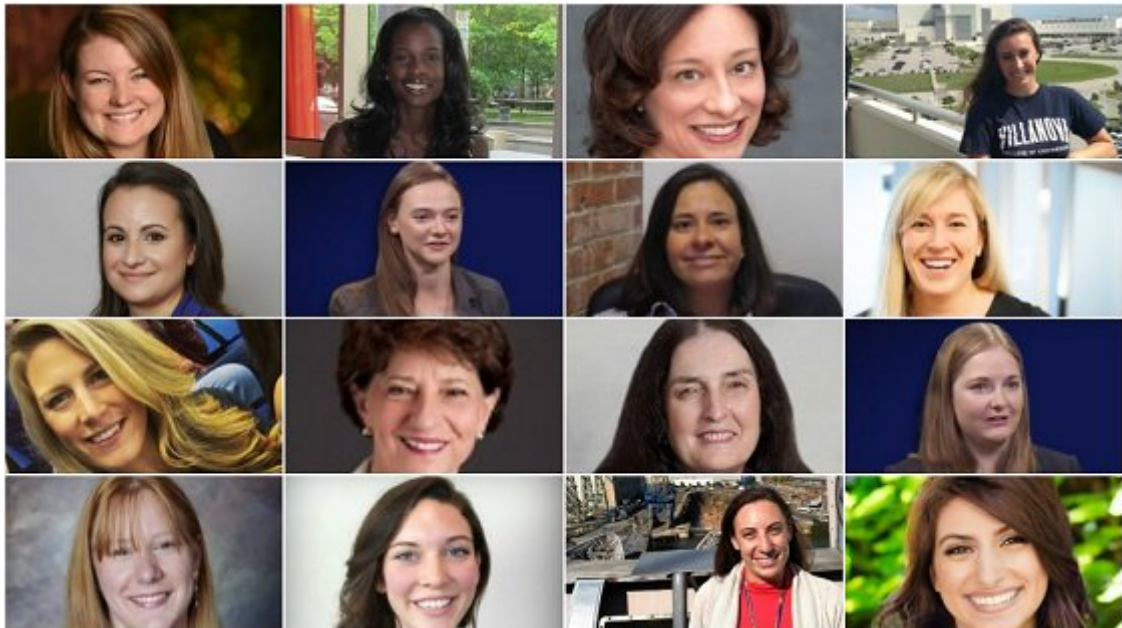
*Drosdick Endowed
Dean of Engineering*

Dear Friends,

Villanova's campus is showing signs of spring and that means we're rapidly approaching the end of another academic year. In fact, we're just over a month away from graduation.

Before students and faculty succumb to the joys of the season, however, there are courses to complete, finals to pass, projects to present and challenges in which to compete. The next few weeks are sure to be a whirlwind of activity.

Now, I invite you to learn more about our latest faculty and student research and awards, service learning experiences and STEM outreach in this issue of protoTYPE. Enjoy!



College Celebrates Alumnae during Women's History Month

During March, Women's History Month, the College of Engineering featured alumnae from the

classes of 1969-2016. Check out this series of written interviews and videos!

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Amin Named Fulbright Distinguished Chair

Moeness Amin, PhD, Director of the Center for Advanced Communications, has been awarded the 2017 Fulbright Distinguished Chair in Advanced Defense Science and Technology.

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Elmer Earns NSF CAREER Grant

While on paternity leave for the birth of his daughter Riley, Chemical Engineering Assistant Professor Jacob Elmer, PhD, learned that he had been awarded the prestigious NSF CAREER grant. This is his third award this academic year.

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Frank Falcone Named Educator of the Year by ASCE Philadelphia

Falcone has been with the College for 43 years, and is the new Director of Professional Development and Experiential Education (Career Compass). The ASCE is recognizing his long list of professional achievements.

Upcoming Events

APR 19 Application deadline for Engineering Entrepreneurship Summer Institute

APR 20 Pitch Day 2017

APR 20 MS in Mechanical Engineering: Virtual Open House
Noon

APR 20 Dean's Award Dinner

APR 25 Villanova Engineering Graduate Studies Virtual Open House
1:30 p.m.

APR 27 Villanova Engineering Graduate Studies Virtual Open House
Noon

MAY 19 Baccalaureate and Commencement

MAY 20 College of Engineering Convocation Ceremony

JUNE 8-11 Reunion 2017



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Senior Design Project to Improve Communications

An ECE capstone project caught the attention of a Philadelphia TV network, which interviewed the students about their goal to improve communications for the disabled.

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ECE Major Earns National Recognition

Stephanie Jones '18 was recognized at the BEYA STEM conference and in the DiscoverE “New Faces of Engineering” program.

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Faculty Wins Fulbright Award for Teaching & Research in Cambodia

Chance encounters led Associate Professor Garrett Clayton to Cambodia four years ago. He's now been awarded a Fulbright Scholar grant to spend four months in the country teaching and conducting research.

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Arduino Workshop and Hackathon Teach and Challenge Students

The Engineering Entrepreneurship program and Lockheed Martin co-sponsored an Arduino training workshop and hackathon competition that teach students how to use this open-source electronics platform, which is based on easy-to-use hardware and software.

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2017 Ward Lecture

As the keynote speaker for the 2017 Patrick J. Cunningham, Jr. and Susan Ward '80 Endowed Lecture Series in Engineering, Matt MacDonald president and CEO Nicholas DeNichilo addressed the Villanova community on the topic of “Business and Professional Ethics—Managing with Integrity.”

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Villanova Engineers Develop STEM Curriculum for Cambodia

Eight Villanova engineering students spent most of their winter break at the Trapaing Chress Lower Secondary School in Cambodia. The purpose of the trip was to continue the progress that Villanova has made in establishing the country's first science, technology, engineering and math curriculum.

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Noche de Ciencias

Villanova's chapter of the Society of Hispanic Professional Engineers presented a Night of Science (Noche de Ciencias) to encourage Hispanic and Latino high school students to consider careers in STEM.

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Girls in Engineering Day

Nearly 100 fourth-eighth grade girls visited campus for a day of hands-on engineering activities led by Villanova Engineering students and faculty volunteers.

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Grad Student Wins Best Paper Award

Richard Kenney '15 ME, '17 MSME was awarded "Best Student Paper" in the area of Thermal Measurement Technology and/or Application at the recent IEEE Semi-Therm Symposium.

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College Celebrates New University Innovation Fellows

Two Mechanical Engineering sophomores have completed training to join the University Innovation Fellows, a global program that empowers student leaders to increase campus engagement with innovation, entrepreneurship, creativity and design thinking.

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Recognizing Partnership with Villanova on World Water Day

Aqua America CEO Chris Franklin reflects on Aqua America's mission to protect and provide Earth's most essential resource - water, and the partnership the company has established with Villanova Engineering.

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