

protoTYPE

NEWS FROM VILLANOVA ENGINEERING

February 2017



Gary A. Gabriele, PhD

*Drosdick Endowed
Dean of Engineering*

Dear Friends,

It's hard to believe we're already more than halfway through the academic year! This spring is off to a strong start with exciting faculty research, preparation for the new [Engineering Entrepreneurship Summer Institute](#), and the development of a mentorship program through [Career Compass](#), our professional development curriculum. Meanwhile, students are keeping busy with coursework, Villanova Engineering Service Learning projects and senior capstones. This spring will also see a number of great events (you're invited!), including the annual Patrick J. Cunningham Jr. and Susan Ward '80 [Endowed Lecture](#) with Nicholas DeNichilo, president and CEO of Mott MacDonald.

We encourage you to [become involved](#) in the life of the College. Meanwhile, enjoy this issue of protoTYPE!



College Offers New Engineering Entrepreneurship Programs

In addition to a [graduate certificate](#), which launched this fall, this summer the College will present the Engineering Entrepreneurship Summer Institute, a 7-week, 16-credit minor for undergraduates.

[More](#)



Faculty Research Featured in *U.S. News & World Report*

Working with Children's Hospital of Philadelphia, Villanova's Dr. C. Nataraj is using data-driven approaches to diagnose and predict medical conditions.

[More](#)



Grant Supports Earthworm Hemoglobin Research

Dr. Jacob Elmer's research shows invertebrate hemoglobin to be a safe and effective blood substitute.

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Upcoming Events

**FEB
17**

Next Generation
Mobility Challenge

**FEB
17**

The Patrick J.
Cunningham Jr. and
Susan Ward '80
Endowed Lecture
Series in
Engineering

**FEB
24**

The Common Good,
Our Common Home
Workshop

**MAR
15**

Nominations due for
41st Engineering
Alumni Society
Awards

**MAR
17**

Arduino Workshop
and Hackathon



3-D Printing Competition Raises Funds for Charity

Students produced and



Chemical Engineering through the Craft Brewing Process

Dr. Michael Smith uses the



Gingerbread Houses Teach Engineering

NovaCANE (Community Action by New Engineers)

sold products for Engineering Entrepreneurship course.

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process to teach transport phenomena, heat transfer, mass transfer, biology and process design.

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brought gingerbread house-making to a local school to teach civil engineering.

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Reflections on Panama: A VESL Experience

Senior Chemical Engineering major Samantha Schafer (to the right of Father Wally, who is in the center of the photo) shares her reflections on the winter break trip to Panama and what Villanova Engineering Service Learning means to her.

[More](#)

Class Notes



Fr. Paul Morrissey '61 CE, OSA

Fr. Morrissey published an op-ed on forgiveness in [the Philadelphia Inquirer](#).



Nance K. Dicciani, PhD, '69 ChE

The founder and CEO of RTM Vital Signs, LLC, a medical device start-up company and former president and CEO of Honeywell Specialty Materials, Dicciani was elected secretary of the Villanova University Board of Trustees.

[James Adams '84 CE, PE](#)



Adams joined KS Engineers as a vice president. He is responsible for managing KSE's Construction Engineering and Inspection and Quality Assurance services for the Port Authority of NY & NJ's Goethals Bridge Replacement Project.



William M. Brown '84 ME, '87 MSME

Brown, president and chief executive officer of Harris Corporation, has been named to the executive committee of the Aerospace Industries Association.



Babu Veeregowda '87 MSCE, PE, PTOE, AVS

Veeregowda joined HNTB Corporation's Northeast Division as chief transportation/traffic engineer and vice president. He is based in the firm's New York City office.



Drew Lakatos '92 EE

Lakatos' company ActiveProtective has raised \$5.6M for its airbag for the elderly. It was featured on the Emmy-winning TV show [Exploration Earth 2050](#) in November 2016, and in January exhibited at CES where it was awarded for "Technology that Improves Lives."



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