

# protoTYPE

NEWS FROM VILLANOVA ENGINEERING

## CLASS NOTES

November 2016



**Gary A. Gabriele, PhD**

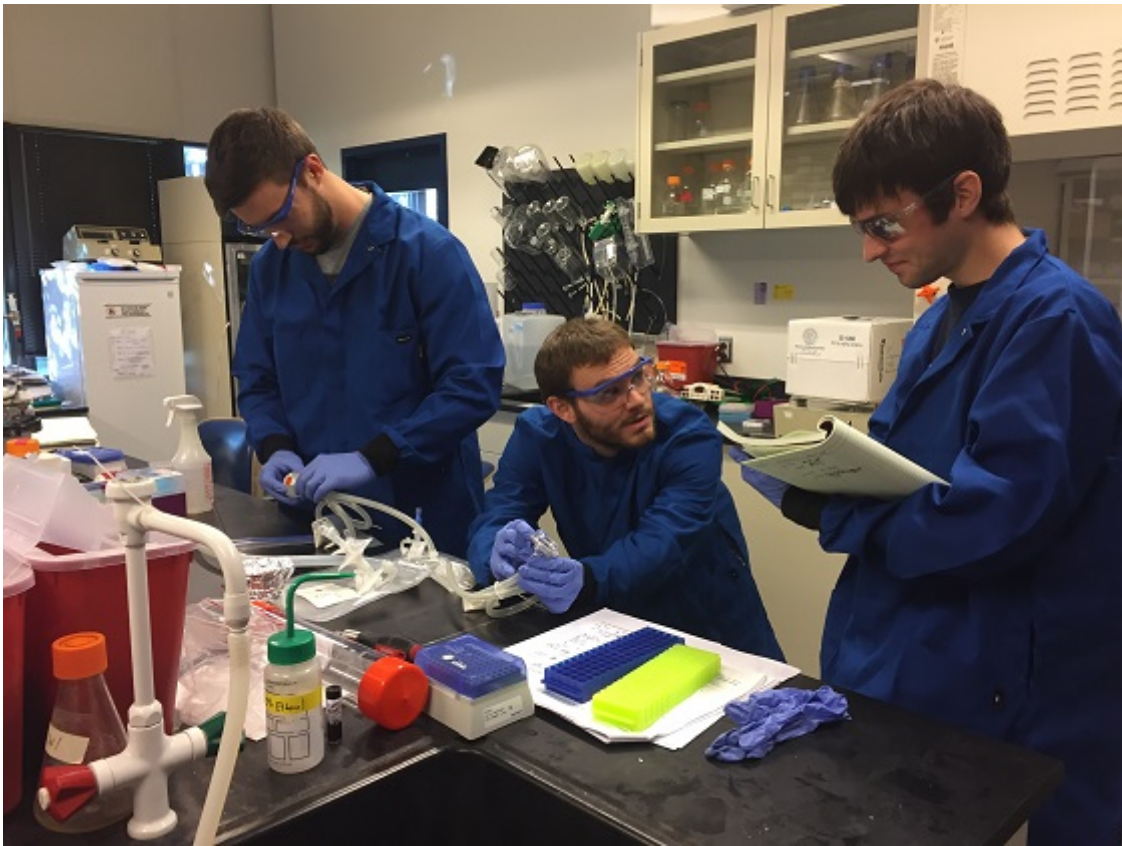
*Drosdick Endowed  
Dean of Engineering*

Dear Friends,

We have reached that point in the semester where every day seems to bring a new activity. As I write, the campus is preparing for our Special Olympics Fall Festival, the largest student-run Special Olympics event in the world! At the same time, in the College of Engineering, students are competing in a Raspberry Pi Hackathon. Over the next two weeks, the Society of Women Engineers will host its annual networking dinner, teams will sacrifice sleep during the 24 HR Imagination Quest, and the Electrical and Computer Engineering department will present the Internet of Things as part of its 30th annual ECE Day. Then, in what seems like the blink of an eye, students will be studying for finals and preparing for the holidays.

Before we get ahead of ourselves, however, here's an update on what we've been up to for the past couple months. Enjoy this issue of protoTYPE!

A handwritten signature in black ink, appearing to read "Gary A. Gabriele". The signature is fluid and cursive, written in a professional style.



## NSF Grant Supports Chemical Engineering Faculty T Cell Research

A team of Chemical Engineering faculty and students is developing new technologies and techniques to streamline the production of genetically engineered T cells to treat leukemia.

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## Dr. Moeness Amin Wins Fourth Technical Achievement Award

The Institution of Engineering and Technology presented Dr. Amin with a 2016 Achievement Medal for seminal contributions to signal analysis and processing.

[More](#)

## Upcoming Events

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**NOV**  
**9** Data Center Day

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**NOV**  
**10** ECE Day

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**NOV**  
**16** SWE Networking Dinner

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**NOV**  
**19** 24 Hour Imagination Quest

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Freshman Poster



## Villanova Chemical Engineers Present at AIChE Conference

From biomass to blood substitutes, faculty will present on a variety of topics at November's AIChE meeting.

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### Students Continue Work on Summer Innovation Projects

The Villanova Summer Innovation Incubator program has fueled a number of exciting, self-directed student projects.

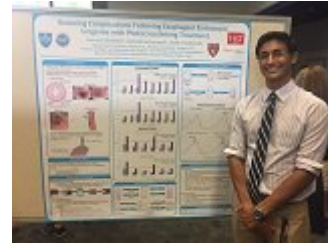
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### Sustainable Engineers Developing Tool for Cable Industry

Our graduate students are helping the nation's major cable companies realize significant energy—and cost—savings

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### Forbes Summit Invites 12 Villanovans

The University sent 12 exceptional students to the Forbes Under 30 Summit. Among them were three engineers.

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### Engineering Alumni Society Presents Annual Awards

Twelve alumni were recognized for meritorious service, technical achievement and dedication to Villanova Engineering.

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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!

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[In Memoriam](#)



### James S. Louie, Assistant Professor

James Louie was a WWII tail gunner, research scientist, and a Villanova University assistant professor of electrical engineering from 1975 to 1988.

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### Joseph Callahan '59 CE, '63 MSCE

In 1967, Joseph Callaghan began his own structural engineering practice from which he retired in 2015. That same year, he was presented with a Meritorious Service Award from Villanova's Engineering Alumni Society.

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### Christos E. Dantos '80 ME

Chris Dantos was Manager of Business Aircraft Accounts for United Technologies Aerospace Systems. In 2010 he won the Engineering Alumni Society's Meritorious Service Award, and in October 2016 his daughter Stephanie '16 CLAS accepted an EAS Professional Achievement Award on his behalf.

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800 Lancaster Avenue, Villanova, PA 19085  
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