



**WISCONSIN**  
UNIVERSITY OF WISCONSIN-MADISON

**GERS Student Honors:**

**Fellowships:**

- NASA Space Technology Fellow
- NSF Fellow (17)
- NASA Harriet Jenkins Pre-Doctoral Fellow
- SMART Fellow
- Gates Scholar
- DHS Nuclear Forensics Fellow
- DOE Office of Science Fellow

**Awards:**

- NSF EAPSI Research
- American Society of Biomechanics President's Award
- Juran Doctoral Award
- NASA JPPF Mini Research Award
- QUALCOMM Q Award of Excellence
- UW Madison Student Organization Office Student Leader of the Year Award

**Scholarships:**

- Dr. Bonnet Scholarship
- Derjani-Bayeh Scholar
- Ruth Dickie Research Scholar
- UMBC Meyerhoff Scholar
- Marshall Plan Scholar

**Honor Societies:**

- Tau Beta Pi
- Golden Key International
- The National Scholars
- Phi Beta Kappa
- Edward Alexander Bouchet

**Other:**

- Various training grants
- Paper competition awards
- Travel grants

# Graduate Engineering Research Scholars

<http://gers.engr.wisc.edu>

## What is GERS?

The Graduate Engineering Research Scholars (GERS) program was created in 1999 to increase the number of underrepresented minority (URM) students receiving graduate degrees (specifically PhDs) in engineering and entering the professoriate.



While completing their degrees, the students in GERS create a community of scholars who meet twice a month for personal and professional development opportunities.

Since its inception, the program has graduated 84 PhDs and 83 MSs. Already, 20 graduates are in faculty positions. Of the 84 PhDs awarded 40 (48%) were to women.

## Why I Chose UW-Madison

*“I was really impressed with the reputation of the research group, particularly the very welcoming and collaborative environment. I also love the town and sports culture of Madison.”*

Michael, Electrical and Computer Engineering

*“A supportive environment is crucial to success in graduate school and through my participation in the SURE program, I knew I felt comfortable at UW. This was evident in the culture of collaboration within my department as well as the community that the GERS program offers.”*

Arrielle, Engineering Physics

*“I wanted to study at the University of Wisconsin-Madison when I surveyed potential graduate programs with strong theoretical and experimental approaches. The GERS program welcomed me into a community of like-minded students and faculty; its emphasis on diversity, participation, and community building provides a catalyst of support to successfully pursue a PhD. I had no doubt that I wanted to be a student of UW-Madison and a representative of the GERS program”*

Juan, Electrical and Computer Engineering

1. **Prestige and reputation of UW-Madison**
2. **Research and funding**
3. **Madison is a great place to work and live**

# GERS Faculty Committee 2018-2019

- Prof. Greg Nellis, GERS Committee Chair  
Mechanical Engineering
- Prof. Beth Meyerand  
Biomedical Engineering
- Prof. Sean Palecek  
Chemical & Biological Engineering
- Prof. David Noyce  
Civil & Environmental Engineering
- Prof. Yu Hen Hu  
Electrical & Computer Engineering
- Prof. Doug Henderson  
Nuclear Engineering/Engineering Physics
- Prof. Shiyu Zhou  
Industrial & Systems Engineering
- Prof. Don Stone  
Materials Science and Engineering



*Engineering Physics professor and co-founding GERS Program Director Douglass Henderson received the Presidential Award for Excellence in Science, Mathematics, and Engineering (PAESMEM) from President Barack Obama in January 2011.*

## Where are they now?

GERS PhD alumni are working in academia, industry, and government:

### Biomedical Engineering

- Faculty at Univ. of Puerto Rico-Mayaguez
- Scientist at Johnson and Johnson  
Consumer Products
- Scientist for Canon and Adjunct
- Faculty at Univ. Maryland College Park
- Faculty at Rutgers Univ.
- Faculty at UW-Madison

### Chemical & Biological Engineering

- Dow Chemical Corporation
- International Iberian Nanotechnology  
Labs
- Faculty at Illinois Institute of Technology
- Faculty at Universidad Autonoma de San  
Luis Potosi
- Bristol Myers Squibb

### Civil and Environmental Engineering

- Senior Science Associate at Exponent
- Faculty at Michigan State Univ.
- Environmental Protection Agency
- Faculty at Univ. of Nevada
- Faculty at Utah State Univ.
- Project Director at NSF
- IBM Research - Africa
- Scientist at Pharmaceutical Product  
Development
- Dept. of Natural Resource - Alaska

### Materials Science

- Post-doc at Univ. of Melbourne
- Kimberly Clark
- The Madison Group
- Intel Corp.

### Electrical and Computer Engineering

- Intel Corp.
- Sandia National Labs
- Pacific Bioscience, Inc.
- Faculty at Univ. of Puerto Rico-Bayamon
- Lawrence Livermore National Laboratory
- MIT Lincoln Laboratory

### Industrial & Systems Engineering

- Faculty at Univ. of Arizona
- Faculty at Mayo Clinic
- Program Development Manager at Quality  
Quest for Health of Illinois
- Faculty at Drexel Univ.
- Research Scientist at MD Anderson
- MIT Lincoln Laboratory

### Engineering Physics

- Faculty at Texas A&M
- Probabilistic Risk Assessment Engineer at  
Dominion
- Import-Export Manager, Exxon Mobil
- Faculty at Fort Lewis College

### Mechanical Engineering

- Faculty at Univ. of Turabo
- Process Engineer at Intel  
“Otillo 8 Fab”
- 3M
- Caitin
- Medical School
- Schlumberger
- Faculty at Univ. of Puerto Rico-Mayaguez
- Hardware Engr. at Thermals, Nest Labs

### Contact Information

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<http://www.gers.engr.wisc.edu>

### For Undergraduates

The Opportunities in Engineering Conference (OPPS) is an opportunity for undergraduate juniors and seniors to visit the UW-Madison campus and explore graduate programs in engineering.

<http://gers.engr.wisc.edu/opps.php>

SURE-REU, is a ten week summer program for undergraduates to explore the research environment.

<http://gers.engr.wisc.edu/sure.php>