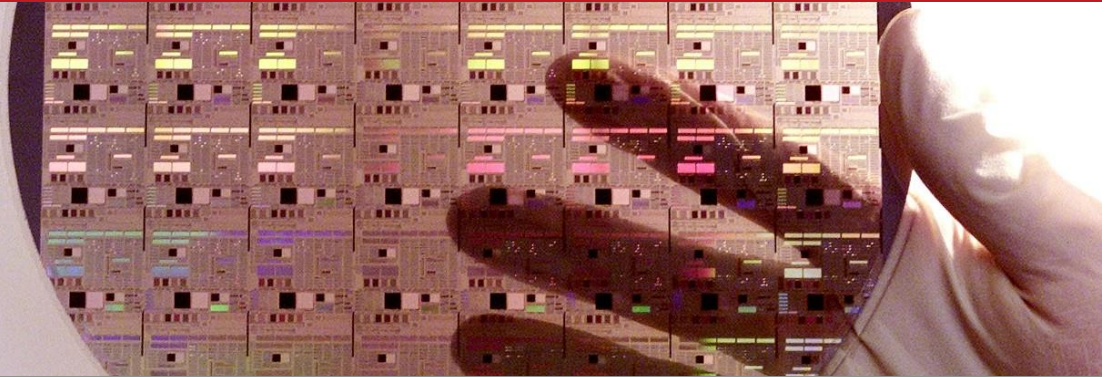


OVER
\$**50**
MILLION

ANNUAL RESEARCH
EXPENDITURES IN THE
SCHOOL OF ENGINEERING



ECSE.RPI.EDU

SCHOOL OF ENGINEERING QUICK FACTS

- ⌄ Rensselaer Polytechnic Institute, founded in 1824, is America's first technological research university
- ⌄ Located in Troy, NY, 150 miles north of New York City, just outside of Albany, NY.
- ⌄ 550 Graduate students
- ⌄ 3,400 undergraduate students
- ⌄ 31 Degree programs (12 UG and 19 G)

RESEARCH HIGHLIGHTS

- ⌄ 12 Engineering focused Research Centers
- ⌄ 2 NSF Engineering Research Centers (ERCs)
- ⌄ \$50 Million Research Expenditures

SCHOOL FACULTY

- ⌄ 24 endowed chairs or professorships
- ⌄ 16 Faculty Members received National Science Foundation (NSF) Early CAREER Development Awards (2010-2018) Faculty Early Career Development (CAREER) Award winners
- ⌄ 50 Early Career Awards (e.g., NSF CAREER, Young Investigator) among current faculty

ABOUT THE DEPARTMENT OF ELECTRICAL, COMPUTER AND SYSTEMS ENGINEERING

STUDENTS

665 Undergraduate
16% first-year female
17% first-year underrepresented
117 Graduate

DEGREES OFFERED

Computer and Systems Engineering (B.S., M.S., M.Eng., Ph.D.)
Electrical Engineering (B.S., M.S., M.Eng., Ph.D.)

DEGREES AWARDED AY 2017/2018

13 Doctoral
29 Masters
164 Bachelors

GRADUATE STUDENT SUPPORT

- (FALL 2017)
- ⌄ **95%** of the doctoral students receive financial support
 - ⌄ ECSE faculty include **14** IEEE fellows, **7** Fellows of other learned societies, **2** Jefferson Science Fellows, **7** NSF Career Award winners
 - ⌄ **3** ECSE Alumni have been awarded three Presidential National Medals in the last four years
 - ⌄ **119** Archival Journal Papers in 2017
 - ⌄ FY17 Research Expenditures in excess of **\$12M**

RESEARCH AREAS

- ⌄ AI and Machine Learning Systems
- ⌄ Communications & Computer Networking
- ⌄ Computer Hardware Design
- ⌄ Controls, Robotics & Automation
- ⌄ Electronics & Photonics
- ⌄ Imaging Science & Computer Vision
- ⌄ Power Electronics & Power Systems

AFFILIATED RESEARCH CENTERS

- ⌄ **CURENT** – NSF Engineering Research Center for Ultra-Wide-Area Resilient Electric Energy Transmission
- ⌄ **LESA** – Center for Lighting Enabled Systems and Applications | LESA.rpi.edu
- ⌄ **CFES** – Center for Future Energy Systems | rpi.edu/cfes
- ⌄ **CATS** – Center for Automation Technologies and Systems | cats.rpi.edu
- ⌄ **"CONNECTION – ONE"** – NST Industrial University Cooperative Research Center | ecse.rpi.edu

CONTACT US

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FACULTY

ECSE Faculty includes: 14 IEEE Fellows; 16 NSF CAREER Awards; 1 Naval Young Investigator Award; 1 Elected National Academy of Engineering (NAE); 2 Jefferson Science Fellows; 6 Fellows of multiple learned societies.

- | | |
|--|---|
| <ul style="list-style-type: none"> G Al-Hussein Abouzeid, Professor G Ishwara Bhat, Professor G Jeffrey Braunstein, Lecturer G Joe Chow, Professor G Tat-Sing (Paul) Chow, Professor G Partha Dutta, Professor G W. Randolph Franklin, Professor G George Gela, Lecturer G Mahmood Hameed, Lecturer G Hella, Mona, Associate Professor G Huang, Zhaoran (Rena), Associate Professor G Ji, Qiang, Professor Associate G Julius, Anak A., Associate Professor G Junichi Kanai, Professor of Practice G Koushik Kar, Professor G Robert Karlicek, Professor G Russell Kraft, Lecturer G Yannick Le Coz, Associate Professor G Jian-Qiang (James) Lu, Professor | <ul style="list-style-type: none"> G John McDonald, Professor G Paul Moon, Lecturer G Richard Radke, Professor G Shayla Sawyer, Associate Professor G Paul Schoch, Associate Professor G E. Fred Schubert, Professor G Manoj Shah, Professor of Practice G Michael Shur, Patricia W. and C. Sheldon Roberts '48 Chair in Solid State Electronics G Jian Sun, Professor G Ali Tajer, Assistant Professor G Luigi Vanfretti, Associate Professor G Meng Wang, Assistant Professor G John (Ting-Yung) Wen, Professor G Michael Wozny, Professor, and ECSE Department Head G Birsen Yazici, Professor G Tong Zhang, Professor |
|--|---|

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