



MANE.RPI.EDU

SCHOOL OF ENGINEERING FACTS

- Founded in 1824, one of the oldest engineering schools in the country
- Located in Troy, NY, 150 miles north of New York City
- 547 graduate students
- 3,600 undergraduate students
- 31 degree programs (12 UG and 19 G)

RESEARCH HIGHLIGHTS

- 12 Engineering Focused Research Centers
- 2 NSF Engineering Research Centers (ERC's)

SCHOOL FACULTY

- 21 endowed chairs or professorships
- 24 National Science Foundation (NSF) Faculty Early Career Development (Career) Award winners (2011-2017)
- 48 Early Career Awards (e.g., NSF CAREER and other Young Investigator Awards) among current faculty



DEPARTMENT FACTS

STUDENTS

1,345 Undergraduates
184 Graduates

2017 US NEWS & WORLD REPORT

GRADUATE RANKINGS

Aeronautical Engineering 23
Mechanical Engineering 34
Nuclear Engineering 12

DEGREES OFFERED

- Aeronautical Engineering (B.S., M.Eng., M.S., Ph.D.)
- Engineering Physics (M.S., Ph.D.)
- Mechanical Engineering (B.S., M.Eng., M.S., Ph.D.)
- Nuclear Engineering (B.S., M.Eng., M.S.)
- Nuclear Engineering & Science (Ph.D.)

DEGREES AWARDED IN (AY) 2017

293 Bachelors
51 Masters
41 Ph.D.

GRADUATE STUDENT SUPPORT (FALL 2017)

95% of current full-time doctoral students received financial assistance

AFFILIATED RESEARCH CENTERS

- Center for Automation Technologies and Systems | cats.rpi.edu
- Center for Flow Physics and Control | cefpac.rpi.edu
- Center for Modeling, Simulation and Imaging in Medicine | cemsim.rpi.edu
- Center for Engineering-based Patient Modeling | cepm.rpi.edu
- Gaertner Linear Accelerator Center | www.linac.rpi.edu
- Scientific Computation Research Center | scorec.rpi.edu
- Center for Mobility With Vertical Lift

RESEARCH AREAS

AEROSPACE SCIENCE AND ENGINEERING

- Fluid Dynamics/Aerodynamics
- Advanced Structures/Materials
- Optimization
- Space
- Combustion/Propulsion

MECHANICAL SCIENCE AND ENGINEERING

- Mechanics and Materials
- Thermal and Fluids Engineering
- Design and Manufacturing
- Dynamics and Controls

NUCLEAR SCIENCE AND ENGINEERING

- Nuclear Power Systems
- Applied Radiation Technologies
- Radiation Protection, Medical and Industrial Uses of Radiation
- Nuclear Materials

CROSS-CUTTING RESEARCH AREAS

- Energy Science and Engineering
- Materials, Materials Processing and Controls
- Human Health and Safety

RESEARCH EXPENDITURES

- Aeronautical/Aerospace Engineering: 2.1M
- Mechanical Engineering: 6.5M
- Nuclear Engineering: 4.5M
- TOTAL Department Expenditures: 12.9M

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DEPARTMENT HEAD
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CONTACT US

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FACULTY

- Michael Amitay, James L. Decker '45 Endowed Chair in Aerospace Engineering
- Kurt Anderson, Professor, Associate Dean for Undergraduate Studies, School of Engineering
- Bharat Bagepelli, Professor of Practice
- Thierry Blanchet, Professor, Associate Department Head for Faculty Affairs
- Diana Borca-Tasciuc, Associate Professor
- Theodorian Borca-Tasciuc, Professor, Associate Head for Graduate Studies; Program Director, Mechanical Engineering
- John Christian, Assistant Professor
- Yaron Danon, Professor, Program Director, Nuclear Engineering
- Suvranu De, Professor, Department Head, J. Erik Jonsson '22 Distinguished Professor of Engineering
- Mamadou Diagne, Assistant Professor
- Farhan Gandhi, Rosalind and John J. Redfern Jr. '33 Professor of Engineering; Program Director, Aerospace Program
- Shreyash Gulati, Lecturer
- Asish Ghosh, Professor of Practice
- Prabhat Hajela, Professor, Provost
- Thomas Haley, Lecturer
- Jason Hicken, Associate Professor
- Amir Hirsra, Professor
- Casey Hoffman, Lecturer
- Michael Hughes, Lecturer, Advanced Professional Studies
- Joshua Hurst, Lecturer
- Wei Ji, Associate Professor
- Hyun Gook Kang, Associate Professor
- Fotis Kopsaftopoulos, Assistant Professor
- Nikhil Koratkar, John A. Clark and Edward T. Crossan Professor of Engineering
- Chia Leong, Lecturer
- Jie Lian, Professor
- Li (Emily) Liu, Associate Professor
- Bimal Malaviya, Professor
- Antoinette Maniatty, Professor
- Kristen Mills, Assistant Professor
- Sandipan Mishra, Associate Professor
- Shankar Narayanan, Assistant Professor
- Robert Niemiec, Lecturer
- Matthew Oehlschlaeger, Professor, Associate Dean for Academic Affairs, School of Engineering
- Charles Okaeme, Lecturer
- Catalin Picu, Professor, Associate Department Head for Undergraduate Studies
- Michael Podowski, Professor
- Zvi Rusak, Professor
- Onkar Sahni, Associate Professor
- Johnson Samuel, Associate Professor
- Henry Scarton, Associate Professor
- Ali Shamsavari, Lecturer
- Mark Shephard, Samuel A. Johnson '37 and Elizabeth C. Johnson Professor of Engineering
- Shanbin Shi, Assistant Professor
- Richard Smith, Professor
- Keith Taylor, Lecturer
- John Tichy, Professor
- Daniel Walczyk, Professor
- Xie (George) Xu, Professor, Edward E. Hood Endowed Chair
- James Young, Lecturer
- Lucy Zhang, Associate Professor

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