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
- 482 Graduate students
- 3,000 Undergraduate students
- 30 Degree programs (12 UG and 18 G)

RESEARCH HIGHLIGHTS

- 17 Engineering focused Research Centers
- 2 NSF Engineering Research Centers (ERC’s)

SCHOOL FACULTY

- 24 Endowed chairs or professorships
- 18 National Science Foundation (NSF) Faculty Early Career Development (CAREER) Award winners (2010-2014)
- 45 Early Career Awards (e.g., NSF CAREER and other Young Investigator Awards) among current faculty

CONTACT US

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ABOUT THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

STUDENTS (FALL 2015)

- 197 Undergraduate Civil
- 69 Undergraduate ENVE
- 32 Graduate (2M.S./30 Ph.D)

Ranked 31st in 2014 US News & World Report Graduate Rankings

DEGREES OFFERED

- Civil Engineering
  (B.S., M.E., M.S., Ph.D.)
- Environmental Engineering
  (B.S., M.E., M.S., Ph.D.)
- Transportation Engineering
  (M.E., M.S., Ph.D.)

DEGREES AWARDED IN AY 2014-15

- 60 B.S. Civil Engineering
- 7 B.S. Env. Engineering
- 22 M.S./M.E. Civil Engineering
- 4 M.S./M.E. Env. Engineering
- 1 M.S./M.E. Transp. Engineering
- 7 Ph.D. Civil/Env./Trans. Engineering

GRADUATE STUDENT SUPPORT

93% of graduate students received financial support

UNDERGRADUATE RESEARCH SUPPORT

30 Students per semester participated in Undergraduate Research Projects

AFFILIATED RESEARCH CENTERS

- Geotechnical Centrifuge Center
  www.nees.rpi.edu
- Center for Infrastructure,
  Transportation, and the Environment
  transp.rpi.edu/~CITE
- Darrin Fresh Water Institute
  rpi.edu/dept/DFWI

RESEARCH AREAS

Earthquake Engineering Research

- 4th Largest geotechnical centrifuge (150g-ton) in the U.S.
- Response of structures to earthquakes
- Analysis of New Orleans levee failures
- Analysis of critical pipeline failures

Natural Hazard Research (Structural)

- Snow Load Hazard
- Wind Load Hazard
- Natural Hazards, infrastructure and future climate scenarios

Transportation Systems and Operations

- Transportation Planning & Economics
- Disaster Response
- Intelligent Transportation Systems
- Transport Network Modeling & Simulation Control
- Advanced Econometrics

Computational Mechanics (Civil)

- Modeling & Simulation of civil systems
- Micromechanical & multiple-scale modeling
- Automated finite element & discrete element modeling techniques
- Adaptive analysis procedures & design using knowledge-based techniques

Environmental

- Pollutant Fate and Transport
- Water Treatment
- Site Remediation and Bioremediation
FACULTY

- Tarek Abdoun, Thomas Iovino Chair Professor
- Mohammed Alnaggar, Assistant Professor
- Xuegang (Jeff) Ban, Associate Professor
- Philippe Baveye, Professor
- Victoria Bennett, Assistant Professor
- Ricardo Dobry, NAE, Institute Professor and Director, NEES-NSF Geotechnical Centrifuge Research Center
- Yuri Gorby, Howard N. Blitman ’50 P.E. Career Development Chair Associate Professor in Engineering
- Jose Holguin-Veras, William H. Hart Chair Professor
- James (Chip) Kilduff, Associate Professor
- Chris Letchford, Professor, Department Head
- Mark Mistur, Associate Professor, Associate Dean, Architecture
- Marianne Nyman, Associate Professor
- Michael O'Rourke, Professor
- John (Jack) Reilly, Professor of Practice
- Mark S. Shephard, Samuel A. Johnson ’37 and Elizabeth C. Johnson Professor of Engineering
- Michael Symans, Associate Professor
- Shun Uchida, Assistant Professor
- William Wallace, Yamada Corporation Professor
- Xiaokun (Cara) Wang, Assistant Professor
- Mourad Zeghal, Associate Professor
- Thomas Zimmie, Professor