## ABOUT THE DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

**STUDENTS (FALL 2016)**
- 192 Undergraduate Civil
- 65 Undergraduate ENVE
- 25 Graduate (3M.S./22 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 2015-16**
- 53 B.S. Civil Engineering
- 22 B.S. Env. Engineering
- 20 M.S./M.E. Civil Engineering
- 6 M.S./M.E. Env. Engineering
- 1 M.S./M.E Transp. Engineering
- 6 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

## 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

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### 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
- 425 Graduate students
- 3,900 Undergraduate students
- 28 Degree programs (11 UG and 17 G)

### RESEARCH HIGHLIGHTS

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

### SCHOOL FACULTY

- 24 Endowed chairs or professorships
- 21 National Science Foundation (NSF) Faculty Early Career Development (CAREER) Award winners (2010-2016)
- 46 Early Career Awards (e.g., NSF CAREER and other Young Investigator Awards) among current faculty

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### CONTACT US

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**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
FACULTY

- Tarek Abdoun, Thomas Iovino Chair Professor
- Mohammed Alnaggar, Assistant 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
- 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

Pictured below from left to right—Engineers without boarders—Panama, Moles Trip—Tappen Zee Bridge, Geo Wall National Champions, and Capstone Presentations.