

# CIVIL AND ENVIRONMENTAL ENGINEERING

The Department of Civil and Environmental Engineering delivers research and educational programs that help make our environment, society, and communities better places in which to live, work, and play. This is done with a commitment to meeting the societal, environmental, and financial needs of today's generation without sacrificing the ability to meet these needs for future generations – the core principles of sustainability. All three of the department's undergraduate degree programs create career opportunities to:

- Ensure the health, safety, and welfare of the public and the environment,
- Develop and maintain our water, earth, and energy resources,
- Create and operate smart cities and smart infrastructure systems based on analysis of “big data,” and
- Work with next generation materials and construction systems.

High-impact educational practices are used in delivering the three undergraduate degree programs, including opportunities to:

- Engage with faculty on innovative research projects,
- Develop career skills by participating in internship or cooperative education with an engineering company,
- Broaden horizons by studying abroad,
- Work with nearby communities in the award-winning senior capstone design class, and
- Lead student organizations in numerous activities, including design competitions like concrete canoe, steel bridge, and others.

The department is committed to ensuring its students are well placed on the pathway to professional engineering licensure and careers in the field. We invite you to explore the details of each degree program by clicking the link to our degrees, majors, and certificates.

## DEGREES/MAJORS/CERTIFICATES

- Architecture, Certificate (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/architecture-certificate/>)
- Civil Engineering, B.S. (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/civil-engineering-bs/>)
- Environmental Engineering, B.S. (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/environmental-engineering-bs/>)
- Geological Engineering, B.S. (<http://guide.wisc.edu/undergraduate/engineering/civil-environmental-engineering/geological-engineering-bs/>)

## PEOPLE

### PROFESSORS

William Likos (Chair)

Soyoung Ahn  
Hussain Bahia  
Awad Hanna  
Gregory W. Harrington  
James P. Hurley  
Steve P. Loheide II  
Katherine (Trina) McMahon  
Daniel Noguera  
David Noyce  
Jae Park  
Gustavo Parra-Montesinos  
Bin Ran  
Jeffrey Russell  
James Jay Schauer  
Chin H. Wu

### ASSOCIATE PROFESSORS

Paul Block  
Dante Fratta  
Matthew Ginder-Vogel  
Andrea Hicks  
Xiaopeng Li  
Jose Pincheira  
Pavana Prabhakar  
Christy Remucal  
Hiroki Sone  
James Tinjum  
Daniel Wright

### ASSISTANT PROFESSORS

Hannah Blum  
Sikai Chen  
Jesse Hampton  
Nimish Pujara  
Mohan Qin  
Bu Wang  
Haoran Wei  
Zhenhua Zhu

See also Civil and Environmental Engineering Faculty Directory (<https://directory.engr.wisc.edu/cee/faculty/>).

## RESOURCES AND SCHOLARSHIPS

### FACILITIES

Facilities available include modern and fully equipped laboratories for instruction and research in the following areas:

Environmental Engineering  
Fluid Mechanics  
Geoengineering  
Hydraulics  
Data Acquisition and Analysis  
Structures and Materials Testing  
Transportation Engineering  
Environmental Chemistry and Technology