

# SID AND REVA DEWBERRY DEPARTMENT OF CIVIL, ENVIRONMENTAL, AND INFRASTRUCTURE ENGINEERING

## Elise Miller-Hooks, Interim Chair

Phone: 703-993-1675

Website: [civil.gmu.edu](http://civil.gmu.edu)

The Sid and Reva Dewberry Department of Civil, Environmental, and Infrastructure Engineering (CEIE) offers BS, MS, and PhD degrees. These degree programs focus on the physical and organizational infrastructure essential to the functioning of society.

Civil and infrastructure engineering is the study of land, transportation, water resources, environment, structures, geotechnology, and construction from a civil engineering perspective and within a complex technological, social, political, economic, and environmental context. The focus is on how these systems are successfully conceived, developed, designed, built, operated, maintained, and renewed in the built environment. This applies to major metropolitan areas in developed countries, such as Washington, D.C. and its integrated suburbs, and extends to infrastructure issues in developing nations which often involve very different issues.

An urban society thrives and prospers when adequate, appropriate, reliable, robust, secure, and cost-effective infrastructure systems are provided. The investment in existing infrastructure and other urban systems in the United States and abroad is enormous. The investment required to maintain, operate, renew, and manage the evolution of these infrastructure systems in the future is even greater. The need for highly educated and creative professionals to confront and solve these continuing vital problems is pressing. Examples of infrastructure systems include water supply and distribution; streets, roads, and highways; wastewater management; transit; storm water management; public utilities; energy supply and distribution; telecommunications; buildings, facilities and structures; and solid waste management.

## Faculty

### Department Faculty

#### Professors

Goodings, Miller-Hooks (Interim Chair), Salem, Tanyu, Venigalla, Walsh

#### Associate Professors

Ferreira, Kosoglu, Lattanzi, Maggioni, Urgessa

#### Assistant Professors

Bondok, Furst, Gonzalez-Duenas, Henneman, Ji, Tian, Zhang

#### Instructors

Binning

#### Adjunct Faculty

Ali, Benton, de Boinville, Cristei, Doyle, El-Helou, El-Sayed, Faghri, Gifford, Guler, Haber, Haight, Hardy, Hartmann, Kennedy, Lindenberg, Loulakis, Manous, Reseigh, Rodriguez, Roudsari, Schroedel, Subramanian, Teitelman, Thoesen, Warren, Woods, Younis

## Emeritus Faculty

Arciszewski, Bronzini, Houck

## Programs

- Civil and Infrastructure Engineering, BS
- Civil and Infrastructure Engineering, MS
- Civil and Infrastructure Engineering, PhD
- Environmental Engineering Minor