

THE GEORGE WASHINGTON UNIVERSITY

WASHINGTON, DC

DEPARTMENT AT A GLANCE (2017)

12

FULL-TIME FACULTY

\$1.1M

RESEARCH SPENDING

117

GRADUATE STUDENTS (ON-CAMPUS)

GRANTS & COLLABORATIONS

American Society of Mechanical Engineers

Federal Emergency Management Agency

National Aeronautics & Space Administration

National Institutes of Health

National Science Foundation

United Nations

U.S. Agency for International Development

U.S. Coast Guard

Department of Engineering Management & Systems Engineering

FACULTY AND RESEARCH FACT SHEET (2017)

*Research areas feature only a sample. Please visit websites for full research details and current projects.

- COMBINATORIAL OPTIMIZATION
- MATHEMATICAL PROGRAMMING
- OPERATIONS RESEARCH

Faculty: Hernan Abeledo, Associate Professor
Website: emse.seas.gwu.edu/hernan-abeledo

- CRISIS, EMERGENCY, & RISK MANAGEMENT
- INFORMATION MANAGEMENT

Faculty: Joseph A. Barbera, Assistant Professor
Website: gwu.edu/~icdrm

- DECISION-MAKING
- SYSTEMS ARCHITECTURE
- BEHAVIORAL EPIDEMIOLOGY

Faculty: David Broniatowski, Assistant Professor
Website: seas.gwu.edu/~broniowski

- ALTERNATIVE FUEL VEHICLES
- ENVIRONMENTAL & ENERGY MANAGEMENT
- MULTI-OBJECTIVE OPTIMIZATION

Faculty: Jonathan Deason, Professor
Website: seas.gwu.edu/~jdeason

- ENVIRONMENTAL & ENERGY MANAGEMENT
- SUSTAINABILITY ENGINEERING & POLICY

Faculty: Royce Francis, Associate Professor
Website: seedgroup.seas.gwu.edu

- CRISIS, EMERGENCY, & RISK MANAGEMENT
- MANAGEMENT SCIENCE
- OPERATIONS RESEARCH

Faculty: Erica Gralla, Assistant Professor
Website: seas.gwu.edu/~egralla

- BAYESIAN INFERENCE
- RELIABILITY & RISK ANALYSIS
- STOCHASTIC MODELS OF OPERATIONS RESEARCH

Faculty: Thomas Mazzuchi, Department Chair & Professor
Website: emse.seas.gwu.edu/thomas-mazzuchi

- DISASTER RISK ANALYSIS
- ECONOMICS
- INFRASTRUCTURE PROTECTION

Faculty: Joost Santos, Assistant Professor
Website: seas.gwu.edu/~joost

- **RISK ANALYSIS, STRUCTURAL SAFETY, RELIABILITY**
- **STOCHASTIC METHODS OF STRUCTURAL DYNAMICS & FATIGUE**

Faculty: Shahram Sarkani,
Professor & Director of EMSE
Off-Campus Programs
Website: seas.gwu.edu/~sarkani

- **ECONOMICS, FINANCE & COST ENGINEERING**
- **ENVIRONMENTAL & ENERGY MANAGEMENT**
- **OPERATIONS RESEARCH**

Faculty: Ekundayo Shittu,
Assistant Professor
Website: seas.gwu.edu/~eshittu

- **DECISION-MAKING**
- **ENGINEERING & TECHNOLOGY MANAGEMENT**
- **TECHNICAL SYSTEMS ARCHITECTURE**

Faculty: Zoe Szajnfarter,
Associate Professor
Website: seas.gwu.edu/~zszajnfa

- **DISTRIBUTION THEORY**
- **EXPERT JUDGMENT ELICITATION**
- **UNCERTAINTY ANALYSIS**

Faculty: Rene Van Dorp,
Professor
Website: seas.gwu.edu/~dorpsjr

Department Contact:

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emsegrad@gwu.edu

Admissions Information:

graduate.seas.gwu.edu
engineering@gwu.edu