

THE GEORGE WASHINGTON UNIVERSITY

WASHINGTON, DC

DEPARTMENT AT A GLANCE (2020)

13

FULL-TIME FACULTY

\$1.5M

RESEARCH SPENDING

94

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 (2020)

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

- COMBINATORIAL OPTIMIZATION
- MATHEMATICAL PROGRAMMING
- OPERATIONS RESEARCH

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

- CRISIS, EMERGENCY, & RISK MANAGEMENT
- DISASTER MEDICINE & PUBLIC HEALTH EMERGENCIES
- INFORMATION MANAGEMENT

Faculty: Dr. Joseph A. Barbera, Associate Professor
Website: seas.gwu.edu/joseph-barbera

- DECISION-MAKING
- SYSTEMS ARCHITECTURE
- COMPUTATIONAL SOCIAL SCIENCE & DATA ANALYTICS

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

- RENEWABLE ENERGY
- ENVIRONMENTAL & ENERGY MANAGEMENT
- MULTI-OBJECTIVE OPTIMIZATION

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

- ENVIRONMENTAL & ENERGY MANAGEMENT
- SUSTAINABILITY ENGINEERING & POLICY

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

- CRISIS, EMERGENCY, & RISK MANAGEMENT
- DECISION-MAKING
- OPERATIONS RESEARCH

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

- DISCRETE CHOICE MODELING
- TECHNOLOGY INNOVATION POLICY & CHINA
- ENGINEERING & TECHNOLOGY MANAGEMENT

Faculty: Dr. John P. Helveston, Assistant Professor
Website: jhelvy.com

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

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

- **DISASTER RISK ANALYSIS**
- **ECONOMICS**
- **INFRASTRUCTURE PROTECTION**

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

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

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

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

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

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

Faculty: Dr. Zoe Szajnfarter,
Professor & Department Chair
Website: seas.gwu.edu/~zszajnf

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

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

Department Contact:
emse.seas.gwu.edu

Admissions Information:
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engineering@gwu.edu