# Department of Electrical & Computer Engineering

## Faculty and Research Fact Sheet (2017)

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

### Department at a Glance (2017)

- **24** Full-time Faculty
- **$2.7M** Research Spending
- **265** Graduate Students

### Grants & Collaborations
- GE Global Research
- IBM
- National Institutes of Health
- National Institute of Standards & Technology
- National Science Foundation
- Office of Naval Research
- U.S. Civilian Research and Development Foundation
- U.S. Department of Commerce
- U.S. Department of the Navy

### Faculty and Research Areas

#### MEMS/NEMS
- **Faculty**: Shahrokh Ahmadi, Teaching Professor
- **Website**: ece.seas.gwu.edu/shahrokh-ahmadi

#### Microelectronics and VLSI Systems

#### Control Systems
- **Faculty**: Robert Carroll, Professor
- **Website**: ece.seas.gwu.edu/robert-l-carroll

#### Electromagnetics, Microwave Engineering, and Radiation Systems
- **Faculty**: Edward Della Torre, Professor
- **Website**: ece.seas.gwu.edu/edward-della-torre

#### Communications & Networks
- **Faculty**: Milos Doroslovacki, Associate Professor
- **Website**: ece.seas.gwu.edu/milos-doroslovacki

#### Computer Architecture
- **Faculty**: Tarek A. El-Ghazawi, Professor
- **Website**: seas.gwu.edu/~tarek

#### Automatic Target Recognition
- **Faculty**: Kie-Bum Eom, Professor
- **Website**: ece.seas.gwu.edu/kie-bum-eom

#### Control and Communications for Power Systems
- **Faculty**: Hernan Figueroa, Professor of Practice
- **Website**: ece.seas.gwu.edu/hernan-figueroa

#### Controls
- **Faculty**: Robert Harrington, Professor
- **Website**: ece.seas.gwu.edu/robert-harrington
• COMMUNICATION & NETWORKS

Faculty: Hermann Helgert, Professor
Website: ece.seas.gwu.edu/hermann-helgert

• BIG DATA
• COMPUTER ARCHITECTURE & SYSTEMS
• GRAPH ANALYTICS

Faculty: Howie Huang, Associate Professor
Website: seas.gwu.edu/~howie

• MAGNETIC
• MEMS/NEMS
• ELECTRONICS & PHOTONICS

Faculty: Can Korman Associate Dean & Professor
Website: ece.seas.gwu.edu/can-korman

• SIGNAL & IMAGE PROCESSING
• SYSTEMS & CONTROLS

Faculty: Nicholas Kyriakopoulos, Professor
Website: ece.seas.gwu.edu/nicholas-kyriakopoulos

• COMMUNICATION & NETWORKS
• CYBERSECURITY
• NETWORK OPTIMIZATION

Faculty: Tian Lan, Associate Professor
Website: seas.gwu.edu/~tlan

• APPLIED ELECTROMAGNETICS
• MICROWAVE ENGINEERING
• RADIATION SYSTEMS

Faculty: Roger Lang, Professor
Website: ece.seas.gwu.edu/roger-lang

• COMMUNICATIONS & NETWORKS
• HIGH-PERFORMANCE COMPUTING ARCHITECTURES
• MEMS/NEMS

Faculty: Ahmed Louri, Professor
Website: hpcat.seas.gwu.edu

• COMPUTING IN OPTICS
• NANOPHOTONICS
• OPTO-ELECTRONICS

Faculty: Volker Sorger, Associate Professor
Website: sorger.seas.gwu.edu

• CLOUD COMPUTING
• DATA CENTER NETWORKS
• OPTICAL NETWORKS

Faculty: Suresh Subramaniam, Department Chair & Professor
Website: seas.gwu.edu/~suresh

• COMPUTER ARCHITECTURE
• HIGH-PERFORMANCE COMPUTING
• MULTICORE PROCESSORS

Faculty: Guru Venkataramani, Associate Professor
Website: seas.gwu.edu/~guruv

• ELECTRONICS & PHOTONICS
• MEMS/NEMS

Faculty: Mona Zaghloul, Professor
Website: ece.seas.gwu.edu/mona-zaghloul

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Admissions Information:
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