Electrical and Computer Engineering

Department Information

- **Department Chair:**
  Benjamin Braaten, Ph.D.
- **Graduate Coordinator:**
  Sudarshan Srinivasan, Ph.D.
- **Department Location:**
  101 Electrical Engineering Building
- **Department Phone:**
  (701) 231-7019
- **Department Web Site:**
  [www.ndsu.edu/ece/](http://www.ndsu.edu/ece/)
- **Application Deadline:**
  February 28 for fall and October 15 for spring (openings may be very limited for spring)
- **Credential Offered:**
  Ph.D., M.S., M.Engr.
- **Test Requirement:**
  GRE
- **English Proficiency Requirements:**
  TOEFL ibT 71, IELTS 6, Duolingo 105; To qualify for teaching assistantship TOEFL ibT 100, IELTS 7, Duolingo 125

Omid Beik, Ph.D.
McMaster University, 2016

Benjamin Braaten, Ph.D.
North Dakota State University, 2009
Research Interests: Applied Electromagnetics, Electromagnetic Compatibility and Signal Integrity

Farhad Shirani Chaharsooghi, Ph.D.
University of Michigan, 2017
Research Interests: Privacy and Security, Wireless Communications, Information Theory, and Learning Theory

Shuvashis Day, Ph.D.
Monash University, 2018
Research Interests: Microwave Devices and Antennas, Metamaterial and Terahertz Devices, RFID Based Sensing, Chipless RFID Based Tag and Sensor, Internet of Things (IoT), Microwave Sensors for Biomedical Applications, Smart Sensing Materials, Machine Learning

Daniel L. Ewert, Ph.D.
University of North Dakota, 1989
Research Interests: Biomedical Engineering

Sumitha George, Ph.D.
Pennsylvania State University, 2020

Jacob Glower, Ph.D.
The Ohio State University, 1988
Research Interests: Control Systems, Digital Systems

Roger Green, Ph.D.
University of Wyoming, 1998
Research Interests: Signal Processing, Array Processing, Time-frequency Analysis

Ivan T. Lima Jr., Ph.D.
University of Maryland, Baltimore County, 2003
Research Interests: Photonics

Dharmakeerthi Nawarathna, Ph.D.
University of Houston, 2005

David A. Rogers, Ph.D.
University of Washington, 1971
Research Interests: Microwave Engineering, Electromagnetics, Fiber Optics

Sudarshan Srinivasan, Ph.D.
Georgia Institute of Technology, 2007
Research Interests: Computer Engineering

Dali Sun, Ph.D.
University of Tokyo
Research Interests: Bioengineering, Electrical Engineering, Software Engineering

Umamaheswara Rao Tida, Ph.D.
University of Notre Dame, 2019

Danling Wang, Ph.D.
University of Washington, 2013
Research Interest: Development of Sensor Devices Based on Novel Nanostructured Materials and Advanced Techniques. Focusing on Sensor Design, Fabrication, and Application of Early-Stage Human Disease Monitoring and Diagnosis, Such as Breath Analyzer for Diabetes; Industrial, and Military Safety, Such as Environmental Explosive or Toxic Gas Detection

Di Wu, Ph.D.
Polytechnic University of Turin, 2011
Zhejiang University

Qifeng Zhang, Ph.D.
Peking University, 2001
Research Interests Electric Materials and Devices for Energy Conversion and Storage, involving Solar Cells, Lithium Batteries, and Solid State Electrolytes; Nanomaterials for Sensor and Biomedical Applications; and Nanotechnology