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.Eng.
- **Test Requirement:**
  GRE
- **English Proficiency Requirements:**
  TOEFL ibT 71; IELTS 6; Duolingo 100 To qualify for teaching assistantship TOEFL ibT 100; IELTS 7; Duolingo 125

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

Dong Cao, Ph.D.
Michigan State University, 2012

Nilanjan Ray Chaudhuri, Ph.D.
Imperial College, 2011

Debasis Dawn, Ph.D.
Tohoku University, 1993
Research Interests: Microelectronics/Microsystems, Radio Frequency Integrated Circuits (RFIC) Silicob (CMOS/SiGe), Ics for radar, sensors

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

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

Na Gong, Ph.D.
University of Buffalo, SUNY, 2013
Research Interests: VLSI, Computer Architecture, and EDA

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

Sanjay Karmakar, Ph.D.
University of Colorado, Boulder 2012
Research Interests: Wireless Communications, Information Theory, Coding for MIMO Systems
Rajesh G. Kavasseri, Ph.D.
Washington State University, 2002
Research Interests: Power Systems, Nonlinear Dynamics, Renewable Energy resources

Samee U. Khan, Ph.D.
University of Texas-Arlington, 2007

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

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

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

Mark Schroeder, Ph.D.
University of Texas, Austin, 1999
Research Interests: Biomedical Engineering

Scott C. Smith, Ph.D.
University of Central Florida, 2001
Research Interests: Asynchronous Logic, VLSI, Computer Architecture, Embedded Systems

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

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

Jinhui Wang, Ph.D.
University of Rochester and Beijing University of Technology, 2006
Research Interests: VLSI, Power Management for SoC and Microprocessor, Novel Memory Design, CAD Methodologies in VLSI

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