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 100 To qualify for teaching assistants 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) Silicon (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 Nawarathna, 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 Diagnosia, 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 Microprossor, 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