DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Overview
www.ece.tamu.edu

Head: M. Begovic
Graduate Advisor: S. Miller

The Department of Electrical and Computer Engineering offers programs for graduate study leading to the research-oriented Master of Science and Doctor of Philosophy degrees and to the professional Master of Engineering degree in Electrical and Computer Engineering. Courses in the department may also be applied to the interdisciplinary Doctor of Engineering degree. The MS and PhD programs provide specialization in-depth and include a research (thesis or dissertation) requirement. The MEng and DEng programs are designed to provide the depth and breadth necessary for the practice of engineering at advanced levels.

Current areas of study include analog and mixed signal, biomedical imaging and genomic signal processing, computer engineering, electromagnetic and microwaves, electric power and power electronics, solid state electronics, photonics and nano-engineering, telecommunications, signal processing and controls. Interdisciplinary engineering programs are available in other areas.

Well equipped laboratories are available for work in all of these areas. Special laboratory facilities are available to graduate students in telecommunications, solid-state electronics, integrated circuit design, electromagnetics, microwave microelectronics, electrooptics, computer vision and electric power systems. The department has many workstations and high end PCs in general access laboratories and excellent computing facilities available in the individual research laboratories. The workstations are supported by a large Sun file servers and two computational servers, and the PCs are supported by a Novell network.

There is no foreign language requirement for the PhD or DEng programs in electrical and computer engineering.

Masters
- Master of Engineering in Computer Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/computer-meng)
- Master of Engineering in Electrical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/electrical-meng)
- Master of Science in Computer Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/computer-ms)
- Master of Science in Electrical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/electrical-ms)

Doctoral
- Doctor of Philosophy in Computer Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/computer-phd)
- Doctor of Philosophy in Electrical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/electrical-phd)

Certificates

Faculty
Annaredd, Narasimha, Professor
Electrical & Computer Eng
PHD, University of Illinois at Urbana-Champaign, 1990

Balog Jr, Robert S, Associate Professor
Electrical & Computer Eng
PHD, University of Illinois, 2006

Begovic, Miroslav M, Professor
Electrical & Computer Eng
PHD, Virginia Polytechnic Institute, 2014

Bhattacharyya, S P, Professor
Electrical & Computer Eng
PHD, Rice University, 1971

Braga Neto, Ulisses, Associate Professor
Electrical & Computer Eng
PHD, John Hopkins University, 2002

Butler-Purry, Karen L, Professor
Electrical & Computer Eng
PHD, Howard University, 1994

Cantrell Jr, Pierce E, Senior Associate Professor
Electrical & Computer Eng
PHD, Georgia Institute of Technology, 1981

Chamberland-Tremblay, Jean-Francois, Professor
Electrical & Computer Eng
PHD, University of Illinois, 2004

Choi, Seong G, Associate Professor
Electrical & Computer Eng
PHD, University of Illinois, 1994

Datta, Aniruddha, Professor
Electrical & Computer Eng
PHD, University of Southern California, 1991

Davis, Katherine M, Assistant Professor
Electrical & Computer Eng
PHD, University of Illinois at Urbana-Champaign, 2011

Dougherty Jr, Edward R, Distinguished Professor
Electrical & Computer Eng
PHD, Rutgers State University of New Jersey, 1974
Duffield, Nicholas G, Professor  
Electrical & Computer Eng  
PHD, Queen Mary College, Univ. of London, 1987

Ehsani, Mehrdad, Professor  
Electrical & Computer Eng  
PHD, University of Wisconsin - madison, 1981

Eknoyan, Ohannes, Senior Professor  
Electrical & Computer Eng  
PHD, Columbia University, 1975

Enjeti, Prasad N, Professor  
Electrical & Computer Eng  
PHD, Concordia University, Montreal, 1984

Entesari, Kamran, Professor  
Electrical & Computer Eng  
PHD, University of Michigan, 2006

Georghiades, Costas N, Professor  
Electrical & Computer Eng  
PHD, Washington University in St. Louis, 1985

Gratz, Paul V, Associate Professor  
Electrical & Computer Eng  
PHD, Texas Tech University, 2003

Han, Arum, Professor  
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PHD, Georgia Institute of Technology, 2005

Harris, Harlan R, Associate Professor  
Electrical & Computer Eng  
PHD, Texas Tech University, 2003

Heidarzadeh, Anoosheh, Visiting Assistant Professor  
Electrical & Computer Eng  
PHD, Carleton University, 2012

Hemmer, Philip R, Professor  
Electrical & Computer Eng  
PHD, Massachusetts Inst of Technology, 1984

Hou, I-Hong, Associate Professor  
Electrical & Computer Eng  
PHD, University of Illinois Urbana Champaign, 2011

Hoyos, Sebastian, Associate Professor  
Electrical & Computer Eng  
PHD, University of Delaware, 2004

Hu, Jiang, Professor  
Electrical & Computer Eng  
PHD, University of Minnesota, 2001

Huang, Gang M, Professor  
Electrical & Computer Eng  
PHD, Washington University in St. Louis, 1980

Ji, Jim X, Associate Professor  
Electrical & Computer Eng  
PHD, University of Illinois, 2003

Kalafatis, Stavros, Professor of the Practice  
Electrical & Computer Eng  
MS, University of Arizona, 1991

Kameoka, Jun, Professor  
Electrical & Computer Eng  
PHD, Cornell University, 2002

Karsilayan, Aydin I, Associate Professor  
Electrical & Computer Eng  
PHD, Portland State University, 2000

Kezunovic, Mladen, Professor  
Electrical & Computer Eng  
PHD, University of Kansas, 1980

Khatri, Sunil P, Professor  
Electrical & Computer Eng  
PHD, University of California, Berkeley, 1999

Kish, Laszlo B, Professor  
Electrical & Computer Eng  
PHD, Uppsala University, Sweden, 1994

Kumar, Panganamala R, Distinguished Professor  
Electrical & Computer Eng  
PHD, Washington University in St. Louis, 1977

Li, Peng, Professor  
Electrical & Computer Eng  
PHD, Carnegie Mellon University, 2003

Lin, Paotai, Assistant Professor  
Electrical & Computer Eng  
PHD, Northwestern University, 2009

Liu, Tie, Professor  
Electrical & Computer Eng  
PHD, University of Illinois, 2006

Lu, Mi, Professor  
Electrical & Computer Eng  
PHD, Rice University, 1987

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PHD, Texas A&M University, 2018

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Electrical & Computer Eng  
PHD, Rutgers State University of New Jersey, 1996

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Electrical & Computer Eng  
PHD, University of California at Berkeley, 2014

Michalski, Krzysztof A, Associate Professor  
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PHD, University of Kentucky, 1981

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PHD, University of California, San Diego, 1988
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Nevels, Robert D, Professor
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PHD, University of Mississippi, 1979

Nguyen, Cam Van, Professor
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Overbye, Thomas J, Professor
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PHD, New York University, 2015

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