DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

www.ece.tamu.edu (http://www.ece.tamu.edu)

Head: N. Annapareddy

Graduate Advisor: J. Hu

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 Science non-thesis 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 MS non-thesis 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, electrotropics, 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 fileservers 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.

Faculty

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

Balog, Robert S, Professor
Electrical & Computer Eng
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Begovic, Miroslav M, Professor
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Birchfield, Adam Barlow, Assistant Professor
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PHD, Texas A&M University, 2018

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PHD, Telecom Paris Tech (ENST), 1996

Braga Neto, Ulisses, Professor
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PHD, Johns Hopkins University, 2002

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Roy, Sandip, Professor
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Russell, B. Don, Distinguished Professor
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PHD, University of Oklahoma, 1975

Savari, Serap A, Associate Professor
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Serpedin, Erchin, Professor
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Silva-Martinez, Jose E, Professor
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PHD, Katholieke Universiteit Leuven, 1992

Singh, Chanan, University Distinguished Professor
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PHD, University of Saskatchewan, 1972

Sprintson, Alexander, Professor
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Tian, Chao, Professor
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Toliyat, Hamid A, Professor
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Watson, Karan L., Senior Professor
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Williams, R Stanley, Professor
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Zhang, Han, Research Assistant Professor
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Zhang, Xi, Professor
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PHD, University of Michigan, 2002

Zou, Jun, Professor
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PHD, University of Illinois Urbana-Champaign, 2002

Masters

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

engineering/electrical-computer/microelectronics-semiconductors-ms/)

Doctoral

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

Certificates

- Analog and Mixed-Signal Integrated Circuit Design Certificate (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/analog-and-mixed-signal-integrated-circuit-design-certificate/)
- Digital Integrated Circuit Design Certificate (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/digital-integrated-circuit-design-certificate/)
- Electromagnetic Fields and Microwave Circuit Design Certificate (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/electromagnetic-fields-microwave-circuit-design-certificate/)
- Semiconductor Manufacturing Certificate (https://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/semiconductor-manufacturing-certificate/)