DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

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

Head: M. Begovic

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 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, electromagnetic, 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 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.

Faculty

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

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PHD, University of Cambridge, 1963

Righetti, Raffaella, Associate Professor
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PHD, University of Houston, 2005

Russell Jr, Billy D, Distinguished Professor
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PHD, University of Oklahoma, 1975

Sanchez-Sinencio, Edgar, University Distinguished Professor
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PHD, University of Illinois, 1973

Savari, Serap A, Associate Professor
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Shakkottai, Srinivas G, Professor
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Shen, Yang, Assistant Professor
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Shi, Weiping, Professor
Electrical & Computer Eng
PHD, University of Illinois, 1992

Silva-Martinez, Jose E, Professor
Electrical & Computer Eng
PHD, Katholieke Universiteit Leuven, 1992

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

Sprintson, Alexander, Professor
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Toliyat, Hamid A, Professor
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Watson, Karan L, Senior Professor
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Weichold, Mark H, Professor
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Williams, Richard, Professor
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Wright, Steven M, Professor
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Zhang, Xi, Professor
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Zou, Jun, Professor
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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

- Electric Energy Systems Certificate (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/electrical-computer/electric-energy-systems-certificate/)