J. MIKE WALKER '66 DEPARTMENT OF MECHANICAL ENGINEERING

http://engineering.tamu.edu/mechanical (http://engineering.tamu.edu/mechanical/)

Head: G. Aguilar

The graduate program in mechanical engineering is designed to offer a choice in curriculum depending upon career objectives. Students interested in leading cutting-edge research, teaching, creating new knowledge, or some combination of those activities may follow the Master of Science and Doctor of Philosophy route. Those interested in practicing engineering at an advanced level in government or industry may pursue the Master of Engineering in Mechanical Engineering. Students are able to tailor an individual program consistent with a degree choice and focus area of their interest.

Each mechanical engineering graduate course is designed to provide a clear presentation of the underlying principles and theories essential to an understanding of the subject. Analytical and experimental techniques are described when required to apply the subject material to modern problems facing the engineers of today. In many cases, the course material supplements active research in mechanical engineering areas currently conducted at Texas A&M and other prominent research centers around the world. Active research facilities are available for advanced manufacturing, biomechanics, design, plastics engineering, artificial intelligence, robotics, non-destructive testing, fracture testing, metallurgical studies, experimental stress analysis, vibrations and rotating machinery, turbomachinery, fluid dynamics, power generation, combustion, in situ lignite gasification, heat transfer, energy management, corrosion, solar energy and wind tunnel studies.

Faculty

Aguilar-Mendoza, Guillermo, Professor
Mechanical Engineering
PHD, University of California - Santa Barbara, 1999

Albakri, Mohammad, Engineering Assistant Professor
Mechanical Engineering-Qatar Campus
PHD, Virginia Polytechnic Institute and State University, 2016

Allaire, Douglas L, Associate Professor
Mechanical Engineering
PHD, Massachusetts Institute of Technology, 2009

Ambrose, Robert, Professor
Mechanical Engineering
PHD, University of Texas at Austin, 1991

Amiri, Ahmad, Research Assistant Professor
Mechanical Engineering
PHD, Texas A&M, 2022
PHD, Texas A&M University, 2022
PHD, University of Malaya, 2017

Anand, Nagamangala, Regents Professor
Mechanical Engineering
PHD, Purdue University, 1983

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PHD, Drexel University, 2013

Balas, Mark, Professor
Mechanical Engineering
PHD, University of Denver, 1974

Balawi, Shadi Omar, Instructional Associate Professor
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Bandyopadhyay, Arkasama, Research Assistant Professor
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PHD, University of Texas Austin, 2020

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Borazjani, Iman, Associate Professor
Mechanical Engineering
PHD, University of Minnesota, 2008

Charoenphol, Phapanin, Instructional Assistant Professor
Mechanical Engineering
DEN, University of Michigan, 2012

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Mechanical Engineering
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Cooper, Marcia, Associate Professor
Mechanical Engineering
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Cope, Dale A, Associate Professor of the Practice
Mechanical Engineering
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Masters

- Master of Engineering in Mechanical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/mechanical/meng/)
- Master of Science in Mechanical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/mechanical/ms/)

Doctoral

- Doctor of Philosophy in Mechanical Engineering (http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/engineering/mechanical/phd/)