DEPARTMENT OF MECHANICAL ENGINEERING

Overview
http://engineering.tamu.edu/mechanical

Head: A. A. Polycarpou

The graduate program in mechanical engineering is designed to offer a choice in curriculum depending upon career objectives. Students interested in leading 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. This degree is offered in those areas of mechanical engineering which have a prescribed plan of study on file in the department. Courses are provided to enable each student to tailor an individual program consistent with a degree choice.

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.

There is no foreign language requirement for the PhD program in mechanical engineering. Each student, with the advice of his or her chosen advisory committee, selects courses to develop a strength in an area of specialization composed of the following mechanical engineering subgroups: thermal science, fluid mechanics, solid mechanics, materials science and mechanical systems.

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)

Faculty
Allaire, Douglas L, Assistant Professor
Mechanical Engineering
PHD, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 2009

Alvarado, Jorge L, Professor (courtesy appointment)
Mechanical Engineering
PHD, University of Illinois, 2004

Amiri, Ahmad, Visiting Assistant Professor
Mechanical Engineering
PHD, University of Malaya, 2017
PHD, University of Malaya, 2015

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

Antao, Dion S, Assistant Professor
Mechanical Engineering
PHD, Drexel University, 2013

Arroyave, Raymundo, Professor (courtesy appointment)
Mechanical Engineering
PHD, Massachusetts Inst of Technology, 2004

Asadi, Amir, Assistant Professor (courtesy appointment)
Mechanical Engineering
PHD, University of Manitoba, 2013

Balawi, Shadi Omar, Instructional Associate Professor
Mechanical Engineering
PHD, University of Cincinnati, 2007

Banerjee, Debyjoti, Professor
Mechanical Engineering
PHD, University of California, Los Angeles, 1999

Benjamin, Chandler C, Research Assistant Professor
Mechanical Engineering
PHD, University of Wisconsin - Madison, 2017

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

Caton, Jerald A, Professor
Mechanical Engineering
PHD, Massachusetts Inst of Technology, 1980

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

Claridge, David E, Professor
Mechanical Engineering
PHD, Stanford University, 1976

Cope, Dale A, Associate Professor of the Practice
Mechanical Engineering
PHD, Wichita State University, 2002
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department of Mechanical Engineering</th>
<th>Institution/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corleto, Carlos Roberto</td>
<td>Professor Of The Practice</td>
<td>Mechanical Engineering</td>
<td>Texas A&amp;M, 1990</td>
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<tr>
<td>Darbha, Swaroop V</td>
<td>Professor</td>
<td>Mechanical Engineering</td>
<td>University of California, Berkeley, 1994</td>
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<td>Delgado, Adolfo</td>
<td>Associate Professor</td>
<td>Mechanical Engineering</td>
<td>Texas A&amp;M University, 2008</td>
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<tr>
<td>Demkowicz, Michal J</td>
<td>Associate Professor (courtesy appointment)</td>
<td>Mechanical Engineering</td>
<td>Massachusetts Institute of Technology, 2005</td>
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<tr>
<td>Felts, Jonathan R</td>
<td>Assistant Professor</td>
<td>Mechanical Engineering</td>
<td>University of Illinois Urbana Champaign, 2013</td>
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<td>Freed, Alan D</td>
<td>Professor</td>
<td>Mechanical Engineering</td>
<td>University of Wisconsin - Madison, 1985</td>
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<td>Gao, Huajian</td>
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<td>Mechanical Engineering</td>
<td>Harvard University, 1988</td>
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<td>Girimaji, Sharath S</td>
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<td>Cornell University, 1990</td>
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<td>Gonezen, Sevan</td>
<td>Assistant Professor</td>
<td>Mechanical Engineering</td>
<td>Rensselaer Polytechnic Institute, 2011</td>
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<td>Gopalswamy, Swaminathan</td>
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<td>University of California, 1991</td>
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<td>Grunlan, Jaime C</td>
<td>Professor</td>
<td>Mechanical Engineering</td>
<td>University of Minnesota, 2001</td>
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<tr>
<td>Haglund, John S</td>
<td>Associate Professor of Instruction</td>
<td>Mechanical Engineering</td>
<td>Texas A&amp;M University, 2003</td>
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<td>Hajimirza, Shima</td>
<td>Assistant Professor</td>
<td>Mechanical Engineering</td>
<td>Texas A&amp;M University, 2013</td>
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<tr>
<td>Han, Je C</td>
<td>University Distinguished Professor</td>
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<td>Massachusetts Inst of Technology, 1977</td>
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<td>Hasnain, Zohaib</td>
<td>Research Assistant Professor</td>
<td>Mechanical Engineering</td>
<td>University of Maryland, 2014</td>
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<td>Hassan, Yassin A</td>
<td>Professor (courtesy appointment)</td>
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<td>Hipwell, M Cynthia</td>
<td>Professor</td>
<td>Mechanical Engineering</td>
<td>University of California-Berkeley, 1996</td>
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<td>Hogan, Harry A</td>
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<td>Texas A&amp;M University, 1984</td>
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<td>Hsieh, Sheng-Jen</td>
<td>Professor (courtesy appointment)</td>
<td>Mechanical Engineering</td>
<td>Texas Tech University, 1995</td>
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<td>Hubbard Jr, James</td>
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<td>University of California, Berkeley, 1987</td>
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<td>Hur, Pilwon</td>
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<td>Mechanical Engineering</td>
<td>University of Michigan, 2005</td>
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<td>Jacobs, Timothy J</td>
<td>Professor</td>
<td>Mechanical Engineering</td>
<td>University of Illinois at Urbana-Champaign, 2010</td>
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<td>Jarrahbashi, Dorrin</td>
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<td>Mechanical Engineering</td>
<td>University of California Irvine, 2014</td>
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<tr>
<td>Karaman, Ibrahim</td>
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<td>Mechanical Engineering</td>
<td>University of Illinois - Urbana-Champaign, 2000</td>
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<td>Kim, Haejune</td>
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<td>Kim, Won-Jong</td>
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<td>Kim, Yong-Joe</td>
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<td>Kulatilaka, Waruna D</td>
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<td>Lacy, Thomas E</td>
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</tbody>
</table>
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