

MECHANICAL ENGINEERING

The Department of Mechanical Engineering (ME) within the University of Wisconsin–Madison College of Engineering is the home of two undergraduate degree programs (mechanical engineering and engineering mechanics, including an option in aerospace engineering) and two graduate degree programs (mechanical engineering and engineering mechanics). The department's faculty conducts research in the areas of advanced manufacturing, biomechanics, computation & data-driven engineering, energy systems, solid & fluid mechanics, and robotics, controls, & sensing. This combination of topics fosters synergies with respect to polymers, mechatronics, aerospace, thermal, materials, additive manufacturing, and fluids. The mechanical engineering undergraduate program has been ranked in the top twelve, and the mechanical engineering graduate program has been ranked in the top seven, among public universities, according to U.S. News and World Report 2022 rankings.

DEGREES/MAJORS/CERTIFICATES

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- Engineering Mechanics, BS (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/engineering-mechanics-bs/>)
- Engineering Thermal Energy Systems, Certificate (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/engineering-thermal-energy-systems-certificate/>)
- Manufacturing Engineering, Certificate (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/manufacturing-engineering-certificate/>)
- Mechanical Engineering, BS (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/mechanical-engineering-bs/>)

PEOPLE

PEOPLE PROFESSORS

Darryl Thelen (Chair)
Mark Anderson
Riccardo Bonazza
Curt Bronkhorst
Christian Franck
Jaal Gandhi
Sage Kokjohn
Dan Negrut
Gregory F. Nellis
Frank Pfefferkorn
Xiaoping Qian
Douglas Reindl
David Rothamer
Scott T. Sanders
Krishnan Suresh
Mario F. Trujillo

Lih-sheng Turng
Fabian Waleffe
Michael Zinn

ASSOCIATE PROFESSORS

Peter Adamczyk
Lianyi Chen
Melih Eriten
Jennifer Franck
Katherine Fu
Corinne Henak
Ying Li
Franklin Miller
Sangkee Min
Jacob Notbohm
Wenxiao Pan
James Pikul
Pavana Prabhakar
Shiva Rudraraju
Alejandro Roldan-Alzate
Ramathasan Thevamaran

ASSISTANT PROFESSORS

Yunus Alapan
Joseph Andrews
Eric Kazzyk
Allison Mahvi
Luca Mastropasqua
Josh Roth
Dakota Thompson
Mike Wagner
Michael Wehner
Jinlong Wu
Xiaobin Xiong
Xiangru Xu
Wei Wang
Lei Zhou

LECTURERS, TEACHING FACULTY, AND TEACHING PROFESSORS

Argantheal Berson
Glenn Bower
Michael Cheadle
Michael De Cicco
Jennifer Detlor
Antonio Hernandez
Randy Jackson
Andrew Mikkelson
Sonny Nimityongskul
Jason Oakley
Lennon Rodgers
Mike Sracic
Graham Wabiszewski

See also Mechanical Engineering Faculty Directory (<https://directory.engr.wisc.edu/me/faculty/>).

RESOURCES AND SCHOLARSHIPS

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FACILITIES

Facilities available for instruction and research include:

- Automatic Controls Lab
- Automotive Lab
- Computer-Aided Engineering (CAE) Labs
- Energy Systems Lab
- Engineering Design Research Lab
- Experimental Mechanics Lab
- Instrumentation Lab
- Maker Space
- Manufacturing Automation Lab
- Mechanical Testing Lab
- Mechatronics Lab
- Polymer Engineering Center
- Robotics and Autonomous Systems Lab
- Senior Design Studio
- Senior Design Hub
- Solar Energy Lab
- TEAM Lab