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

- Manufacturing Engineering, Certificate (http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/manufacturing-engineering-certificate/)
- Mechanical Engineering, B.S. (http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/mechanical-engineering-bs/)

PEOPLE

PROFESSORS

Darryl Thelen (Chair)
Riccardo Bonazza
Curt Bronkhorst
Wendy Crone
Christian Franck
Jaal Ghandhi
Sage Kokjohn
Roderic Lakes
Dan Negrut
Gregory F. Nellis
Tim Osswald
Frank Pfefferkorn
Xiaoping Qian
Douglas Reindl
David Rothamer
Scott T. Sanders
Krishnan Suresh
Mario F. Trujillo
Lih-sheng Turng
Fabian Waleffe

ASSOCIATE PROFESSORS

Peter Adamczyk
Mark Anderson
Lianyi Chen
Melih Eriten
Katherine Fu
Tom N. Krupenkin
Franklin Miller
Sangkee Min
Jacob Notbohm
Wenxiao Pan
James Pikul
Pavana Prabhakar
Alejandro Roldan-Alzate
Michael Zinn

ASSISTANT PROFESSORS

Joseph Andrews
Jennifer Franck
Corinne Henak
Eric Kazyak
Allison Mahvi
Luca Mastropasque
Josh Roth
Shiva Rudraraju
Stephan Rudykh
Ramathasan Thevamaran
Dakota Thompson
Mike Wagner
Michael Wehner
Jinlong Wu
Xiaobin Xiong
Xiangru Xu

LECTURERS, TEACHING FACULTY, AND TEACHING PROFESSORS

Arganthael Berson
Glenn Bower
Michael Cheadle
Michael De Cicco
Jennifer Detlor
Randy Jackson
Andrew Mikkelson
Jason Oakley
Erick L. Oberstar
Jeffrey Roessler

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

RESOURCES AND SCHOLARSHIPS

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