The Department of Engineering Physics (EP) within the University of Wisconsin–Madison College of Engineering is the home of three undergraduate degree programs (nuclear engineering; engineering mechanics, including an option in aerospace engineering formerly named astronautics; and engineering physics) and two graduate degree programs (nuclear engineering and engineering physics; and engineering mechanics). The department’s faculty conducts research in the areas of nuclear systems, plasma physics and fusion energy science, and experimental and theoretical mechanics. This combination of topics fosters synergies with respect to neutronics, nuclear materials, mechanics of novel materials, fluid dynamics, and computation. The graduate nuclear engineering program has been ranked in the top four, nationally, by U.S. News and World Report in each of the past ten years.

DEGREES/MAJORS/CERTIFICATES

- Engineering for Energy Sustainability, Certificate (http://guide.wisc.edu/undergraduate/engineering/engineering-physics/engineering-energy-sustainability-certificate/)
- Engineering Physics, B.S. (http://guide.wisc.edu/undergraduate/engineering/engineering-physics/engineering-physics-bs/)
- Nuclear Engineering, B.S. (http://guide.wisc.edu/undergraduate/engineering/engineering-physics/nuclear-engineering-bs/)

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

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:
- Fluid Mechanics and Heat Transfer Laboratories
- Instructional Computing Labs (in Computer Aided Engineering)
- Nanomechanics Laboratory
- Nuclear Instrumentation Laboratory
- Plasma Physics Laboratories
- Superconductivity and Cryogenics Laboratories

SCHOLARSHIPS

Most financial assistance is awarded through the Office of Student Financial Aid (333 E. Campus Mall RM 9701, 262-3060). Some financial assistance is also available from the College of Engineering. Please see your academic advisor or Student Services Center, 1410 Engineering Drive, for more information. The Department has a limited amount of scholarship funds that are awarded on a merit basis, usually at the beginning of the fall semester. An application for departmental scholarships is not necessary; all students are automatically considered in the competition for departmental scholarships.

PEOPLE

PROFESSORS
Paul Wilson (Chair)
Riccardo Bonazza
Curt A. Bronkhorst
Wendy Crone
Adrien Couet
Chris Hegna
Douglass Henderson
Roderic Lakes
Oliver Schmitz
Carl Sovinec
Kumar Sridharan
Fabian Waleffe

ASSISTANT PROFESSORS
Jennifer Choy
Stephanie Diem
Jennifer Franck
Benedikt Geiger
Ben Lindley
Jacob Notbohm
Ramathasan Thevamaran
Yongfeng Zhang