



# Department of Mechanical and Aerospace Engineering

## DEPARTMENT HISTORY

# 1983

Department of Mechanical Engineering founded

# 1990

Department expands to include Aerospace Engineering

Starting with a program in mechanical engineering in the early 1970, the department has grown tremendously in numbers, infrastructure and reputation. The faculty are world-recognized experts in their fields and have achieved top honors and distinctions. The undergraduate programs blend fundamentals with hands-on design experience and include research opportunities in a variety of laboratories. Graduate programs are recognized nationally and internationally for their impact and scholarship.

## STUDENT POPULATION

# 1191

Undergraduate Students (Fall 2021)

### B.S. degrees

- Aerospace Engineering
- Mechanical Engineering

# 160

Graduate Students (Fall 2021)

### M.S. and Ph.D. degrees

- Mechanical & Aerospace Engineering

## RESEARCH & EXPENDITURES

# \$11.0M

2020-21 Research Expenditures

## 5 Research Thrusts

- Dynamics and Controls
- Fluid Dynamics and Propulsion
- Thermal and Transport Sciences
- Mechanics of Materials and Structures
- Systems and Design

## 6 World-class Center Affiliations

- Advanced Power and Energy Program (APEP)
- Center for Advanced Design and Manufacturing of Integrated Microfluidics (CADMIM)
- Institute for Design and Manufacturing Innovation (IDMI)
- Integrated Nanosystems Research Facility (INRF)
- National Fuel Cell Research Center (NFCRC)
- UCI Combustion Laboratory

## FACULTY & RECOGNITION

# 31

 Full-time Faculty

# 9

 Affiliated Faculty

# 4

 National Academy of Engineering Members

# 1

 Royal Swedish Academy of Engineering Sciences Member

# 1

 Presidential Young Investigator Award

# 1

 Office of Naval Research Young Investigator Award

# 7

 NSF CAREER Awards

# 1

 National Academy of Inventors

# 6

 Distinguished Professors (2 Emeriti)

# 1

 Chancellor's Professor

# 11

 Fellow Status