



Welcome to the Mechanical Engineering Department at UCSB!

It is a distinct honor for me to serve as Chair for our Mechanical Engineering department.

These are times of sweeping change in higher education and in scientific research and development. Our undergraduate program is flourishing with a solid set of core Mechanical Engineering courses, a rich set of elective classes, and thriving Honors Program and Capstone Design Project. Our undergraduate and graduate students are highly sought by start-up and high-tech companies and by prestigious universities and laboratories.



Our department sits at the forefront of several research trends that blend core mechanical engineering topics with exciting multidisciplinary technologies, and our faculty are world-renown for their achievements in our core areas of research:

- BioEngineering and Systems Biology
- Computational Science and Engineering
- Control and Dynamical Systems
- Fluid Mechanics and Thermal Sciences
- Solid Mechanics, Materials, and Structures
- Micro/Nano Science and Engineering

Recent example advances include the development of micro- and nano-fluidic sensors for high-performance screening in the field, bio-inspired structures and materials, computational methods for materials and quantitative biology, computational, experimental and theoretical advances on multiphase flows from micro- to geophysical scales, and strategies for smart building, smart grids, and their integration.

In future years, broad important goals include the strengthening of our undergraduate design curriculum, and the integration of online learning technologies. I will also dedicate energy to continue to hire outstanding faculty, mentor our exceptional graduate students, and coordinate our efforts in modern mechanical engineering subjects, including energy efficiency, advanced manufacturing, and bio-inspired engineering.

At this challenging and exciting time, I wish to reach out to all our faculty, staff, students, alumni, and friends. I appreciate your continued support of our Mechanical Engineering department, and I hope I can count on your active involvement in shaping its future. I would love to hear your ideas and opinions on how best to move forward. Your input is always welcome and needed. My email address is bullo@engineering.ucsb.edu.

With warmest wishes,

Francesco Bullo
Professor & Chair

