Graduate students drive the success of their advisor's research. In addition, MechSE's rich history of productive research has led to the employment of many of our graduates at the top companies and institutions. The department fosters a culture that is highly supportive and collegial while preparing students for successful careers.

Our faculty are developing unparalleled capabilities—and in a variety of domains—that will advance the field for years to come. Our approach is to use a systems approach to create new ideas and products that are far-reaching in order to meet societal needs. Research at MechSE, along with the results from our undergraduate and graduate programs, can be found at our website mechse.illinois.edu. See how our faculty are making a difference in society.

2019-20 FACULTY RESEARCH AT A GLANCE

Having the greatest impact on the world around us, MechSE faculty have aligned their research efforts with societal needs. Two columns of this faculty research matrix for the fundamental areas of the discipline, while the six rows represent critical societal needs.

One area of research involves the identification of innovative solutions to global needs. Our faculty are making a difference in society, from the development of new materials to the creation of sustainable energy solutions. Each area requires substantial collaboration, either among fundamental science within engineering or with other disciplines such as chemistry, physics, biology, or medicine. These collaborative relationships allow us to make fundamental discoveries in solutions that address ongoing and ever-changing global needs.

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