

## **RESEARCH AREAS**

- Data Science
- Electromagnetics
- >Fluid Dynamics
- >Genomics
- Inverse Problems
- >Mathematical Biology
- >Machine Learning
- >Nonlinear Waves
- >Numerical Analysis
- > Optical Imaging of Tissues
- >Optimization
- >Scientific Computing
- Solar Science
- > Stochastic Processes
- >Uncertainty Quantification

## **ABOUT UC MERCED**

UC Merced is the 10th campus of the University of California system and the first new American research university of the 21st century. Merced is located in California's San Joaquin Valley, within driving distance of Yosemite National Park and the Sierra Nevada, the Bay Area and the Monterey peninsula.

## **Applied Mathematics** GRADUATE STUDIES AT

UNIVERSITY OF CALIFORNIA, MERCED (M.S., Ph.D.)

Applied Mathematics at the University of California, Merced has a strong multidisciplinary focus, leading to projects at the interface between mathematics and life sciences, physical sciences, engineering and social sciences. Training emphasizes modeling of complex systems, scientific computing, and data-enabled science, and is used to solve real-world problems.

Our research program, guided by a young and vibrant faculty, offers students a background in the fundamental tools of applied mathematics, including ordinary and partial differential equations, asymptotics and perturbation methods, numerical analysis and scientific computing.



## **FUNDING OPPORTUNITIES**

All doctoral students in good standing are eligible for year-round financial support, including payment of fees and tuition. Teaching assistantships normally provide initial funding that can be supplemented by research assistantships, fellowships or other forms of financial assistance including travel awards.

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- > Early admissions deadline: January 15
- > Applications received by this date will be eligible for priority funding

## FOR MORE INFORMATION

Visit appliedmath.ucmerced.edu or contact Prof. Boaz Ilan, Graduate Group Chair.





Applied Mathematics

appliedmath.ucmerced.edu

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