

The Applied Mathematics Graduate Program at UC Merced offers academic and research training leading to M.S. and Ph.D. degrees.

We focus on modeling of complex systems, scientific computing, and data-enabled science.

Our students benefit from close mentoring by young and vibrant faculty.



💂 Come and join us!

TO LEARN MORE AND APPLY PLEASE VISIT appliedmath.ucmerced.edu/graduate-program

All qualified domestic and international students will receive full financial support. Early admissions deadline: December 15, annually.













Harish Bhat - machine learning applied to the physical sciences (esp. identification and control of quantum systems), dynamics, mechanics, numerical methods, and scientific computing

Rosemarie Bongers - harmonic analysis, geometric measure theory, and educational data analysis

Boaz Ilan - linear and nonlinear waves, solarenergy conversion, PDEs asymptotic analysis & perturbation methods

Arnold Kim - waves in random media, inverse problems, asymptotic analysis and perturbation methods

Lei, Yue - lower-dimensional topology and geometry

Reshma Menon - partial differential equations (degenerate elliptic equations, free boundary problems), mathematics education (student learning in introductory and bridge courses, anxiety in the mathematics classroom)

Noemi Petra - large-scale inverse problems, PDE-constrained optimization, uncertainty quantification, optimal experimental design

Erica Rutter - mathematical modeling of biological systems, machine learning, inverse problems

Maxime Theillard - numerical modeling of complex fluids

Chrysoula Tsogka - Imaging with waves in complex media with applications in remote sensing, geophysics, microwave imaging and optics

François Blanchette - fluid dynamics, multiphase flow, stratified fluids, modeling

Amelia Farid - mathematics education, learning, and development

Shilpa Khatri - fluid-structure interactions, multiphase flows, numerical methods for PDEs, applications in ecology and oceanography

Changho Kim - stochastic modeling, scientific computing, computational fluid dynamics, machine-learning-based surrogate modeling, chemical applications

Roummel Marcia - nonlinear optimization, numerical linear algebra, compressed sensing, and image processing

Juan Meza - optimization, high-performance computing, parallel algorithms

Tomas Rube - mathematical and computational biology, machine learning, functional genomics

Suzanne Sindi - mathematical modeling of biological systems, uncertainty quantification, machine learning, deep-learning, data-science

Mayya Tokman - numerical analysis, scientific computing, mathematical modeling

Andy Wan - numerical analysis, structurepreserving discretizations, Bayesian inference, Hamiltonian Monte Carlo, scientific computing and machine learning

first, further, forward.