

Caltech



Division of Chemistry
& Chemical Engineering

#2 ranked
graduate program
by U.S. & World Report

Chemical Engineering



Chemical Engineering at Caltech is one of the top ranked chemical engineering graduate programs in the nation, where faculty and students work together in continuously pushing the frontiers of the discipline. We cordially invite you to join our endeavor by applying to the Ph.D. program.

FACULTY

Frances H. Arnold: *Biocatalysis, protein engineering, enzyme evolution, synthetic biology*

John F. Brady: *Fluid mechanics and transport processes; complex and multiphase fluids; the mechanics of soft and active matter.*

Mark E. Davis: *Synthesis of zeolites and molecular sieves; synthesis of catalytic materials;*

Gözde S. Demirer (Coming Summer 2022): *Nanotechnology; nano-bio interactions; genetic engineering of plants; plant synthetic biology and bioengineering; food security and sustainability*

Richard C. Flagan: *Aerosols; atmospheric chemistry and physics; nucleation; health*

Konstantinos P. Giapis: *Chemical reaction dynamics at surfaces; plasma processing; nanoscale thermodynamics; nanotechnology*

Rustem F. Ismagilov: *Global health; microbial communities and biophysics of the gut; diagnostics and antimicrobial susceptibility testing; microfluidics and single cells*

Julia A. Kornfield: *Polymeric and supramolecular materials; physics and rheology*

John H. Seinfeld: *Atmospheric chemistry and physics; aerosols; global climate*

Mikhail G. Shapiro: *Protein engineering, synthetic biology, imaging, remote control, cell therapy, neuroscience*

David A. Tirrell: *Biocatalysis; biomaterials; polymer science; protein engineering; macromolecular chemistry*

Zhen-Gang Wang: *Thermodynamics and dynamics of polymers and soft matter; interfacial phenomena; charged systems; gas sorption and diffusion in polymers*

CONTACT

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APPLICATION DEADLINE: DEC. 1, 2021
www.cce.caltech.edu
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