

Ph.D. Positions in Catalytic Combustion at Missouri University of Science and Technology

Overview

Dr. Ran Sui's group in the Department of Mechanical and Aerospace Engineering (MAE) at Missouri University of Science and Technology (Missouri S&T) invites applications for multiple fully funded Ph.D. positions. Aiming at the utilization of environment-friendly and alternative fuels in future power generation, fuel processing and emission control, the group investigates various fundamental problems in the areas of catalytic combustion and coupled hetero-/homogeneous thermochemical processes. Successful candidates are expected to join the group in the fall semester of 2021.

Qualification and How to Apply

Motivated candidates with a Master's or Bachelor's degree in Mechanical Engineering, Chemical Engineering, Aerospace Engineering and other related fields are encouraged to apply. Knowledge and research experience (either experimental or computational) in combustion, fluid mechanics and catalysis are particularly welcome. Interested candidates should contact Dr. Sui (rsui@mst.edu) with their CV detailing academic/research achievements and contact information of 2-3 references. Review of applications will start immediately and continue until the positions are filled.

About the Advisor

Dr. Ran Sui joined the Department of Mechanical and Aerospace Engineering at Missouri University of Science and Technology as an Assistant Professor in January 2021. Prior to Missouri S&T, Dr. Sui was an Associate Research Scholar at Princeton University. Dr. Sui received his doctoral degree in Mechanical Engineering from ETH Zurich in 2017. More information about Dr. Sui and his research can be found at <https://ran-sui.com/>.

About Missouri S&T and the MAE Department

Missouri S&T is the major engineering member institution of the University of Missouri System. Being the largest department of Missouri S&T, MAE is experiencing dramatic development with its research expenditures and Ph.D. enrollment doubled in the past five years, and broad support across federal and industrial sponsors. Despite the small size of the university and the department, its ME and AE programs are ranked #63 and #38 in the 2022 USN&WR Graduate Program Ranking, respectively, and are expected to reach #50/#35 by 2025.