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Postdoctoral and PhD Positions, Shanghai Jiao Tong University

The freshly founded Combustion and Energy Group at School of Mechanical Engineering, Shanghai Jiao Tong University now opens several Postdoctoral and PhD positions. The interdisciplinary research team aims on fundamentals and applications in clean combustion and energy conversions: 1) combustion reaction kinetic and laminar flame research; 2) new methodologies in laser diagnostics for combustion (e.g. temperature, species, etc.); 3) theoretical/computational/experimental studies on turbulent combustion and combustion instability; 4) clean catalytic conversions from coal, biomass and natural gas to fuels for clean combustion; 5) *operando* mass spectrometry to detect active intermediates in catalytic conversions.

Essential requirement

For the postdoctoral position, applicants are expected to have a PhD degree in mechanical engineering, physics or physical chemistry and expertise in related areas to fulfil the two-year postdoctoral programmes (with possible extension). For the PhD position, a Bachelor degree in engineering or science is required, ideally majored in combustion and energy related subjects.

Applicants are expected to work in a collaborated team environment, conduct individual research, publish papers, and, for postdoctoral programmes, assist in supervising graduate and undergraduate students as well as prepare proposal documentation. Strong skills in English language is required.

How to apply

Applicants should submit a resume with full record of publications and contact information for at least two academic references to Prof. Fei Qi (fqi@sjtu.edu.cn) for further information.

Established in 1913, School of Mechanical Engineering has granted over 44,000 degrees, and educated lots of early pioneers in Chinese modern industry. The school has over 330 faculty members and ranked the first among all universities in China in the last decade. The location of the positions is at Minhang campus of Shanghai Jiao Tong University, Shanghai, China.