Joint Post-Doctoral Scholar Opportunity at Stanford University in Chemical Engineering and at the Stanford Synchrotron Radiation Laboratory (SSRL, SLAC)

The groups of Prof. Matteo Cargnello in the Department of Chemical Engineering at Stanford University and Dr. Simon Bare at SLAC National Accelerator Laboratory are looking for a post-doctoral scholar to develop novel materials and characterization techniques related to catalytic transformations for the control of hydrocarbon emissions in the atmosphere.

The research will bridge fundamental scientific inquiry and industrially-relevant systems, and will require the development of techniques for the characterization of catalysts under relevant reaction conditions at high temperature and harsh environments, as well as the catalytic characterization of such materials and the understanding of their mode of operation and structure-property relationships. The research involves partnership with collaborators at Stanford, SLAC and Oak Ridge National Laboratory through a DOE-funded project. The scholar is expected to take advantage of resources at both Stanford and SLAC through a shared mentorship to foster collaboration and creativity.

The candidate is expected to have received her/his Ph.D in either Chemical Engineering, Chemistry, Materials Science, or other related fields. She/He needs to have strong foundations in nanostructured materials, synthesis, catalysis, and characterization techniques, with demonstrated combination of experimental skills enabled by penetrating theoretical insights. Knowledge of synchrotron-based techniques, especially X-ray absorption spectroscopy, is strongly encouraged but not required.

We are committed to creating a diverse environment. Candidates that will contribute to diversity and with diverse backgrounds are especially encouraged to apply.

Interested candidates should send their CV, research interest(s), and the contact information of their references (no letters at this stage are needed) to Matteo Cargnello (mcargnello@stanford.edu) and Simon Bare (srbare@slac.stanford.edu) by October 10, 2021.

Consistent with its obligations under the law, the University will provide reasonable accommodation to any employee with a disability who requires accommodation to perform the essential functions of his or her job. Stanford and SLAC are equal employment opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by law.