Ph.D. Position in Surface Reaction Dynamics

A doctoral position is available as of 1.9.2020 in the EPFL Surface Dynamics Group (Prof. R. Beck). We use state-of-the-art laser techniques to probe chemical reactions at the gas-surface interface by quantum-state-resolved measurements. Our research explores surface reactions used in heterogeneous catalysis such as the dissociative chemisorption of methane on a nickel surface which is rate limiting in the conversion of natural gas to hydrogen. Our experiments probe the dynamics of elementary chemical events at the gas/surface interface and produce detailed state resolved data for comparison with first principles theory. For further details see: http://ggsd.epfl.ch/

It should be noted that this position requires acceptance into the EPFL doctoral program. Please refer to the EPFL website to apply, http://phd.epfl.ch/edch.

We are looking for a highly motivated and experimentally talented physical chemist or physicist possibly with experience in laser spectroscopy, ultra-high vacuum surface science experiments, and/or computer interfacing. Knowledge of the French language is not a prerequisite for pursuing a Ph.D. at EPFL but good knowledge of spoken and written English is essential. Doctoral positions at EPFL are limited to 4 years. Doctoral student salary is approximately CHF 50,000.- in the first year. Interested candidates should send a CV, grade transcripts, two letters of recommendation or names and contact information of two references and a copy of their diploma/masters thesis to:

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