



**Ph.D. position in Chemical Physics / Physical Chemistry
Swiss Federal Institute of Technology, Lausanne (EPFL)**

A doctoral position is available as of 1.6.2017 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 technologically relevant surface reactions 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/>

We are looking for a highly motivated and experimentally talented physicist or physical chemist 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 are essential. Doctoral positions at EPFL are limited to 4 years. 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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