



Initiative applications for doctoral positions at LIKAT

Our special attention is on basic and application-oriented research in the field of homogeneous and heterogeneous catalysis and its technical implementation. Hence, LIKAT works at the interface between both, basic and applied research. Today, the Leibniz Institute of Catalysis is one of the largest publicly funded research institutes in the field of applied catalysis in Europe.

Current research topics at LIKAT include catalytic water cleavage, catalytic reactions with carbon dioxide and carbon monoxide, homogeneous and heterogeneous selective oxidations, organometallic C-C coupling reactions, homogeneous and heterogeneous asymmetric catalysis, metallocene chemistry, reaction engineering and high-throughput methods, preparation of novel catalytically active materials, *in situ* studies on catalyst action under real conditions, bio-inspired homo- & heterogeneous catalysis as well as utilization and functionalization of renewable feedstocks. Within these topics our activities range from catalyst development and mechanistic investigations to process development and optimization. An excellent and partly unique infrastructure is available for these purposes, especially in the fields of analytics, reaction technology, high-throughput technology and high-pressure chemistry.

The PhD positions are supposed to be utilized for writing a dissertation. The employment is limited to three years. The salary is based on public service rates of the German states or as a scholarship. Social benefits are granted as in the public sector.

LIKAT supports professional equality of women and men and so applications from women are most welcome. As women are underrepresented in this sector at LIKAT preference will be given to women with equal qualification. Disabled applicants with equal qualification and aptitude will be given preferential consideration.

Please direct enquiries about the concrete availability of positions directly to the head of the research area in question and send your complete application documents by e-mail. The corresponding contact details and further information about the LIKAT can be found at <http://www.catalysis.de>.