

Post-doctoral position in Non-ambient powder diffraction research on hydrogen storage materials at the Max-Planck-Institut fuer Kohlenforschung, Department for Heterogeneous Catalysis (Prof. Ferdi Schueth). The candidate will be a member of the hydrogen research group highly experienced in the preparations and characterization of new complex hydrides

Candidates should hold PhD in chemistry, mineralogy, or material sciences.

The candidate will be involved in a research group experienced in synthesis and characterization of complex hydrides as potential hydrogen storage material. Main focus of the project is on the preparation and in situ X-ray investigation of complex hydrides. Related to this is the development of new in situ equipment for laboratory X-ray diffraction instruments (high pressure cell, reaction cell). Planning and executing new experimental strategies is part of the project.

We expect knowledge in inorganic chemistry, crystallography, powder diffraction, and interest in solving scientific and technical challenges. The ability for cooperation and collaboration is mandatory.

Please send your application by e-mail to weidenthaler@mpi-muelheim.mpg.de or by mail to:

Dr. Claudia Weidenthaler, Max-Planck-Institut fuer Kohlenforschung, Kaiser-Wilhelm-Platz1, 45470 Mülheim, Germany.