

Gunther Kolb



He is the Head of Energy Technology and Catalysis Department

Since 2001 Dr.-Ing. Gunther Kolb is scientific employee at the Institut fuer Mikrotechnik Mainz GmbH leading the process technology and heterogeneous catalysis group from the beginning. In early 2007 the group was re-organised as Energy Technology and Catalysis department. Main focus of the department is energy technology based on hydrogen but as well on fossil and renewable energy sources. The research and development activities comprise hydrogen transport, mobile power generation based on fuel cells and the production of renewable fuels. With a number of test rigs the department is carrying out catalyst development for heterogeneous gas phase reactions in the field of

energy and waste gas technology.

Dr. Kolb was born at 1963 in Nürnberg. He studied chemical engineering at the university of Erlangen-Nürnberg, where he concluded his graduation at the faculty of chemical engineering chaired by Prof. Hanns Hofmann. Between 1993 and 1995 he was scientific instructor at the Federal Office of Economics and Export Control being involved in the national implementation of the Chemical Weapons Convention. In 1995 he changed his position and was working with Grace GmbH until 2000 as professional for catalyst evaluation and catalyst development, FCC Catalysts Europe.

Dr. Kolb is author and coauthor of numerous publications in the fields of kinetic measurements, supercritical fluids, catalyst development and reforming technology for fuel cells. He is coauthor of the book "Chemical Micro Process Engineering Processing and Plants" (Wiley, 2005) and author of the book "Fuel Processing" (Wiley, 2008).

His presentation on: **Development of Compact FC-based auxiliary power unit using micro processor reactor technique**