

Curriculum Vitae of Prof. Dr. Herbert Over

Personal data:

Date of birth: 14.3.1959, married, two children
Citizenship: German
Institution: Justus-Liebig Universität, Physikalisch Chemisches Institut
Heinrich-Buff-Ring 17, D-35392 Gießen
Telefon: 0641-9934550
E-Mail: over@uni-giessen.de
WWW: <http://www.uni-giessen.de/cms/fbz/fb08/chemie/physchem/over>

Post-school education:

- Priv.-Doz.: Fritz-Haber-Institut der MPG and Freie Universität Berlin (Physical Chemistry), 1996. Beugung langsamer Elektronen: Neue Methoden und Anwendungen in der Oberflächen-Strukturchemie.
- Dr. rer. nat.: Fritz-Haber-Institut der MPG (FHI) and Freie Universität Berlin, 1991; Thesis: LEED analysis of surface structures employing an improved evaluation scheme
- Dipl.-Phys.: Technische Universität Berlin 1989; Diploma thesis: Excitation and luminescence spectroscopy of deep impurity levels in the range of free and bound excitons
- Dipl.-Math.: Technische Universität Berlin 1989; Diploma thesis: Quantum mechanics on manifolds with magnetic fields and its relation to boundary value problems
- Dipl.-Ing.: Applied University (Fachhochschule) Bingen 1980; Diploma thesis: Simulation of the induction behavior of electric network.

Career:

- Dec. 2001 Appointment as C3 professor at the Justus Liebig University in Gießen (Chemistry Department, Physical Chemistry)
- 2001 Permanent research associate building up a new scientific service group "surface analysis" at the MPI for solid state research. (April 2009-Dec. 2001)
- 1993 - 2001 Research associate leading the research group 'Structure and Reactivity' at the Fritz-Haber Institut. Main techniques: quantitative LEED, He scattering, x-ray diffraction, Penning spectroscopy, reactive scattering, and UPS
- 1992 - 1993 Postdoc position at UWM, Lab. for Surface Studies, Prof. S.Y. Tong
- 1991 - 1992 Research associate working on the theory of multiple scattering in low-energy diffraction and the development of a scheme to include anisotropic temperature effects in LEED crystallography, FHI
- 1989 - 1991 Research assistant working on an improved evaluation scheme for LEED crystallography, FHI
- 1985 - 1988 Lecturing discussion sessions for undergraduate and graduate courses in the Mathematics Dept. of the Technische Universität Berlin.

Research:

Surface chemistry, Model Catalysis, Nanoscience, Surface Electrochemistry, Electrocatalysis