

Prof. Dr. Udo W. Pohl

Technische Universität Berlin
Institut für Festkörperphysik EW5-1
Hardenbergstr. 36
10623 Berlin
Germany



Curriculum Vitae

I. Personal

Pohl, Udo W., Prof. Dr. rer. nat. habil.
Born August 14th 1955 in Düsseldorf, Germany

II. Professional Preparation

1975 - 1978 Technische Hochschule Aachen, undergraduate study in physics
1978 -1979 Freie Universität Berlin, graduate study in physics
1979 -1983 Technische Universität Berlin, graduate study in physics
1983 Graduation: Diploma in physics (grade: 1)
1988 Graduation: Dr. rer. nat. (overall grade: passed with distinction)
Advisors: Prof. H.-E. Gumlich (TU Berlin), Prof. D. Curie (Univ. P.M. Curie Paris)
2000 Venia Legendi and lecturer in physics, Technische Universität Berlin

III. Appointments

1980 - 1983 Teaching Assistant, Technische Universität Berlin
1983 - 1988 Research Associate, Technische Universität Berlin
1989 - 1999 Akademischer Rat (civil servant , tenure), TU Berlin
since 1999 Akademischer Oberrat (academic senior councillor, tenure)
since 2004 Chief Operating Officer, Center of Nano-Photonics, TU Berlin
2009 Appointment as Adjunct Professor of Physics at Technical University of Berlin

IV. Research Topics

1989 Growth, structural, and optical analysis of semiconductor single crystals:
Bulk growth of highly perfect II-VI semiconductors from the melt and vapor phase,
spectroscopic analysis of deep impurities, x-ray analysis of structural perfection

1993 Photonics, epitaxy and processing of ZnSe-based semiconductors:
Efficient index- and gain-guided lasers, development of a patented contact structure,
spectroscopic analysis of excitons bound to shallow impurities

since 2000 Photonics, epitaxy and processing of GaAs-based nanostructures:
Analysis of quantum-dot formation, epitaxy of efficient gain structures,
Development of photonic-band-crystal lasers, vertical external-cavity lasers
based on quantum dots, single-photon emitters

V. Publications and Invited Talks

Books 1 Textbook, 10 book contributions
Journals over 200 papers
Invited Talks 45