

CURRICULUM VITAE

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CH-1009 Pully, Switzerland

Born: April 25, 1944 - Trondheim, Norway
Citizenship: German and Swiss
Civil status: widower, 2 children
Military service: 1963 -1965, Lieutenant
Education: Diplom Physicist : University of Bonn, Germany, 1971
PhD (Dr. rer. nat): University of Bonn, Germany, 1975
Privat-Docent: Free University of Berlin, Germany, 1982
University of Neuchâtel, Switzerland, 1985

Thesis title: E2-transition probabilities in the Zr-region measured with
an orange-type iron free spectrometer at the Bonn
isochron-cyclotron. Supervisor Prof. Dr. E. Bodenstedt

Fellowship and prizes - DAAD (German Academic Exchange Service), Jan. – April 1972
Physics Department, University of Uppsala, Sweden,
Prof. Dr. K. Siegbahn
- Rudolf-Jaeckel-Preis der Deutschen Vakuum Gesellschaft (DVG)
Oktober 2014
- Award of the 141 Committee of the Japanese Society for the
Promotion of Sciences, December 2017

Employment and Career: - Teaching and Research Assistant:
University of Bonn, Germany, 1971 - 1975
- Assistant Professor:
University of Campinas, Brasil, 1976 - 1977
- Assistant Professor:
Free University of Berlin, Germany, 1977 - 1983
- Senior Scientist (Chef de Travaux):
University of Neuchâtel, Switzerland, 1983 - 1989
- Full Professor:
University of Lausanne, Switzerland, 1989 – 2003
Ecole Polytechnique Fédérale
de Lausanne (EPFL), Switzerland 2003 – 2011
- Honorary professor :
University de Lausanne, Switzerland 2004 – present
Ecole Polytechnique Fédérale
de Lausanne (EPFL), Switzerland 2010 – present
- Scientific Consultant, Fritz-Haber-Institute of the Max- Planck-
Society, Berlin, Germany 2012 – present

Short Term Appointments and Sabbaticals :

- Invited guest researcher (IBM), Synchrotron Radiation Center (Tantalus) Madison, Wisconsin, USA, August/September 1981
 - Invited guest professor, Department of Physics and Astronomy of the University of Hawaii at Manoa, USA September 1, 1997 – February 28, 1998
 - Invited guest, Stiftung Dr. Robert und Lina Thyll-Dürr, Casa Zia Lina, Capoliveri, Elba, August 18 – Sept. 3, 2008
- Interest and Experience:
Experimental Methods:
- Professional Activities:
- Nanoscale Surface Physics, Solid State Physics, Nuclear Physics, Scanning Tunneling Microscopy and Spectroscopy, Electron Spectroscopies,
 - ≥ 200 publications, ≥ 15900 cit., $h=62$ (Google-scholar: 24.05.22)
 - Referee for Science, Nature, Nature Materials, Phys. Rev. Lett., Phys. Rev. B, Surf. Sci., and numerous other scientific journals
 - Referee for grant applications in Switzerland, Austria, France, Denmark, The Netherlands, Germany, Italy, UK, USA.
 - Member of the ESF College of Expert Reviewers
 - Editorial Advisory Board :
 - Materials Science Forum, Trans Tech Publ. Ltd. Zürich
 - e-Journal of Surface Science and NanoTechnology (e-JSSNT), Japan
 - Guest Editor:
 - J. Electron Spectrosc. Rel. Phen., Appl. Phys. A, Springer,
 - New J. Phys. (NJP) « Focus issue surface science ».
 - (with M. Scheffler)
 - Chairman and Co-Chairman, Int. Conferences
 - Chairman of the Physics Section:
 - University of Lausanne, Switzerland, 1999 – 2003
 - Chairman of the Surface Physics Division of the DPG, (Deutsche Physik. Gesellschaft): April 2002 – April 2004
 - Member of the directorate of the Faculty of Basic Sciences: EPFL 2003 – 2007
 - Director of the Institute of Condensed Matter Physics, EPFL: September 2008 – December 2011
 - Panel member (panel 4) of the European Research Council (ERC), 2008 – 2013
 - Member of the International Award Committee, Heinrich-Rohrer-Medal, Surface Science Society, Japan (SSSJ), Swiss Physical Society, German Physical Society,
- Memberships:
- Teaching Experience:
- General Physics for undergraduate students in physics and medicine
 - Solid State Physics for undergraduate and graduate students in physics
 - Surface Physics for graduate and PhD students in physics
 - Diploma (Master) and doctoral thesis supervision
- Languages:
- Other Interests:

German, English, French, Latin, Portuguese (basic notions)

Jazz-Guitar, Golf