

CURRICULUM VITAE

Personal Information:



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Education:

1988	Dr.sc.nat.	ETH-Zurich
1984	Dipl. Phys.	University of Zurich

Professional Experience:

since 2013	Head of Department "Materials meet Life" at Empa - Swiss Federal Laboratories for Materials Science and Technology,
2008-2013	VP, Program manager for MEMS, Centre Suisse d'Electronique et de Microtechnique, Microsystems Technology, Neuchatel, Switzerland
2005-2008	CTO, Centre Suisse d'Electronique et de Microtechnique, Microsystems Technology, Neuchatel, Switzerland
1991-2004	Professor of Materials Research at the Interstate University of Applied Sciences Buchs, NTB, Switzerland. Head of Institute The institute Micro- and Nanotechnology MNT delivers contracted research and service to the industry in the field of microsystems, micro- and nanotechnology, photonics, packaging, technology, and analytics.
1998-1991	Postdoc at the applied physics department of the California Institute of Technology (CALTECH), Pasadena (CA). Research scientist at the Paul Scherrer Institute (PSI) in Würenlingen and at the Laboratorium für Festkörperphysik of the ETH in Zurich

Teaching activities:

- 1984 - 1988 Assistant in Physics for Electrical Engineers, Mechanical Engineers and Physicists
- 1991 - 2004 Teaching Material Science and Microtechnologie, (MEMS technology, Coating and Thin Film technology) (BC and Master Courses)
- 2005 - 2013 Master Courses at University Bern, "MEMS technogy"
- 2005 - PhD Courses in Crystallography Material Sciences at EPFL,
- 2013 - Master Cours at University Bern, „Biomedical Engineering” Dozent der EPFL

Memberships:

- CTI expert for Micro- and Nanotechnology
- Scientific Advisory Board Member of the ARTORG Center, University of Bern
- Member of the Swiss Academy of Engineering Science (SATW)
- Member of the "Nanotechnology commission" of SATW
- Committee Member of the Swiss Vacuum Society
- Consiliaris International Union of Vacuum Science and Technology
- Member of NPI-Board of esa
- NCCR QP Member of the Direction Committee
- Kurator of FhG IPMS, Dresden
- Kurator of FhG PYCO, Germany
- Member of the Executive Committee of NanoTera

Awards:

- 2001 Technologiestandort Schweiz: Rewritable DVD
- 1998 Technologiestandort Schweiz Diplom (Low Cost LIGA)

Publications

over 140 refereed articles