

## CURRICULUM VITAE JAN-ÅKE SCHWEITZ 2015-03-01

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### *Professional preparation*

- Senior High School/gymnasium exam (studentexamen) in Gothenburg 1964 (Natural Sciences)
- BSc (fil kand) at Gothenburg University and Uppsala University in 1967 (Mathematics and Physics)
- MSc (civ ing) at Uppsala University in 1969 (Engineering Physics)
- PhD (tekn dr) at Uppsala University in 1975 (Materials Science)

### *Present position at Uppsala University*

- Professor Emeritus, Materials Science / Microsystems Technology

### *Present national assignments*

- Member of the Royal Swedish Academy of Engineering Sciences (IVA)
- Member of the Royal Society of Science at Uppsala (Kungl. Vetenskaps societeten i Uppsala)
- Member of the Board of Directors, Habia Cable AB

### *Previous commissions of trust at Uppsala University*

- Dean of Engineering within the Faculty of Science and Technology
- Member of the Faculty Board
- Member of the Academic Senate and the Academic Council
- Chairman of the Election Committee of the Faculty of Science and Engineering
- Head of Department (prefekt) at the Dept of Engineering Sciences
- Inspector of Engineering Students' Union (Teknologkåren)
- Numerous assignments on various boards and committees within the management organisation of Uppsala University

### *Previous post doctoral positions at Uppsala University*

- 1975-77 Lecturer (universitetslektor), Materials Science
- 1977-82 Assoc Prof (docent), Materials Science
- 1982-97 Acting Prof (tf prof), Materials Science
- 1989/90 Acting Prof (tf prof), Solid Mechanics
- 1994-97 Professor (bitr/befordrad prof), Materials Science
- 1997-2012 Chaired Professor, Materials Science / Microsystems Technology

*Previous national assignments*

- Member of the Swedish National Committee for Mechanics, the Royal Swedish Academy of Sciences (KVA)
- Principal secretary of the Committee for Long-Term Planning of Research and Education in Materials Technology, Swedish National Board of Universities and Colleges (UHÄ)
- Member of TFR's Evaluation Committee on Engineering Physics
- Member of the Board of Örebro University
- Initiator and Head of the competence centre Surface and Microstructure Technology/SUMMIT (funded by NUTEK/VINNOVA and industry)
- Initiator and Program Director of the strategic centre Advanced Microengineering/AME (funded by SSF)
- Intermittent assignments in the national university system as faculty opponent, dissertation committee member, scientific evaluator etc.

*Previous international assignment*

- Editor for Europe, J. Micromech. Microeng (Inst of Physics Publ., UK)
- Member of the Editorial Board of the Microsystems Series, Kluwer Academic Publishers, Springer Press, Massachusetts, USA
- Reviewer for several international scientific journals
- Lecturer at Universidad Nacional de Ingenieria (UNI), Lima, Peru (1980)
- Member of several Steering or Program Committees in the conference series IEEE-MEMS, Transducers, Microsystem Technologies, World Micromachine Summit
- Organiser and Program Committee Chairman of Transducers '95 in Stockholm 1995 (1.200 participants from 46 countries)
- Evaluator in Professor appointments at Stanford University and Case Western Reserve University, USA
- Faculty opponent in doctoral dissertations in Denmark and the Netherlands

*Scientific production*

- Author or co-author of some 110 peer-reviewed international publications, including five comprehensive book chapters
- Main or assistant supervisor of 30 PhDs
- In total 45 PhD exams within research programmes headed by Schweitz (Materials Science, Microsystems Technology, Competence centre SUMMIT, Strategic Research Centre AME)

*Miscellaneous*

- Receiver of Gustavus Adolphus Big Gold Medal
- Initiator of the civ ing programme Materials Physics at UU
- Initiator (together with Prof Bertil Hök) of the research programmes in micromechanics and microsystems technology at UU
- Originator (together with Profs Jan-Otto Carlsson and Sören Berg) of the Ångström Laboratory at UU
- Originator of a cosmological model for the expansion of the universe based on the idea of a source flux of dark energy: <http://urn.kb.se/resolve?urn=urn:nbn:se:uu:diva-316911>
- Ship master exam (skepparexamen)
- Rock blaster exam (bergsprängarexamen)