

# Curriculum Vitae – Hans Ågren

**Born:** 1950-09-23, Skellefteå, Sweden

**Civil Status:** Married, 3 daughters

## A. Professorial preparation

Bachelor of Science, 1973, Physics, University of Uppsala, Sweden.

PhD exam, 1979. Physics, University of Uppsala, Sweden.

Post Doc, 1980, IBM Research Laboratories, San Jose', USA.

## B. Appointments

### Domestic:

Assistant Professor, Department of Physical Chemistry, Lund, Sweden, 1981 - 1982.

Assistant Professor, Institute of Quantum Chemistry, Uppsala, Sweden, 1983 - 1990.

Researcher in Quantum Chemistry appointed by the Swedish science research council, 1990.

Chair Professor in Computational Physics, University of Linköping, 1991-1998.

Chair Professor in Theoretical Chemistry, Royal Institute of Technology, Stockholm, 1998 -

### Abroad:

Research Associate, Quantum Theory Project, University of Florida, 1982 – 1983

Research Associate, University of Bergen, Norway, 1984

Visiting Professor, University of Minnesota 1986 - 1987.

Visiting Professor, IBM Research Laboratories, Kingston, New York, 1989.

Visiting Professor, Italian Research Council (CNR), Pisa, 1992, 1994

Visiting Professor, Institute of Molecular Science, Okazaki, Japan, 1998.

Visiting Professor, Marie and Pierre Curie Institute, Paris, 1999.

Visiting Professor, University of Sao Paulo, Brazil, 2001.

Visiting Professor, National Technical University, Singapore, 2009, 2010

Guest Professor, Shangdung Normal University, China, 2003 -

## C. Commissions of trust

1991: Board: National Supercomputer Center, NSC, Linköping.

1998: Head of Department Theoretical Chemistry at KTH, Stockholm

2001: Board: Center of Advanced Molecular Materials

2004: Board: KTH center for computational Science and Engineering.

2005: Director of the KTH-USTC (China) center in Nano Bio Materials.

2006: Director of the KTH- Stockholm University) center for computational Biology.

2007: Vice Chairman, Parallel Computer Center, KTH.

2008: Board: KTH-IIS-PKU trilateral center in computational science and engineering

1995- Evaluator for National Research Councils in Sweden, Norway, Finland, Denmark, Italy, USA

2009- Science advisor Portendo AB

Member of 6 editorial boards.

Commissions: 14 as PhD Opponent, 3 for Docent Appointment, 3 for Professor Appointment.

## D. Academic Qualifications

h-index = 55. 11651 Citations. 570 publications in international journals, 31 review articles and book chapters. Supervised 32 PhD students. Invited to more than 110 conferences since 1989. Organized 35 international or national meetings. Employed at four Universities in Sweden (UU, LU, LiU, KTH), 7 universities abroad as visiting professor,

## E. Director/Coordinator of Networks in Academia and Industry

### University Level.

1983: Research group in Quantum Chemistry, University of Uppsala.

1991: Division of Computational Physics, Linköping University (chair professor).

1999 : Department of Theoretical Chemistry, Royal Institute of Technology (chair professor).

### National Level.

1998: Coordinating modelling group in Laser Protection, run by Swedish Defence Research Agency

2000: Coordinating theoretical group in the "Center for Advanced Molecular Materials, funded by SSF.

2001: Coordinating the theoretical modelling group in "Photonics in Defense Applications" funded FOI  
2005: Director of KTH - USTC center (U. of Science and Tech. of China) in Bio- and Nano-materials.  
2005: Director of Computational Life Science Center at Albanova.  
2006: Coordinator: SSF network "Biophotonics with China"

### ***International Level.***

1994: Coordinator: EU-INTAS network "Theory and Application of Spin-Catalysis (TASC)",  
1998: Node leader: EU-COST/D9 action: "Computational Chemistry of Increasingly Complex Systems"  
1998: Node leader: EU-TMR: Research Training Network "New Carbon-Based Hard Materials (CNx)",  
2000: Coordinator: EU-HPRN network: "Molecular Properties and Molecular Materials"  
2001: Node leader: EU-FW5 network "Center of Excellence in New Functional Material"  
2002: Node leader: EU-COST/D26 action: Integrative Computational Chemistry  
2004: Node leader: EU-FP6 STREP network "Design and fabrication of optoelectronic devices" ODEON  
2004: Coordinator: EU Marie-Curie "Understanding Nanomaterials from the Quantum Perspective"  
2004: Coordinator: SSF-NSF (KTH - SUNY, Buffalo) network in "3-photon materials".  
2009: Node leader: EU FP7-STREP network: "Computational Materials Science with India".

### **F. Grants**

Swedish Science Research Council  
European Commission  
Swedish Foundation for International Cooperation in Research.  
Swedish International Development Cooperation Agency  
Swedish Institute  
Swedish Foundation for Strategic Research  
Swedish Defence Research Agency  
Swedish Agency for Research and Innovation  
Nordic Council of Ministers  
American Air Force Laboratory  
K.&A.Wallenberg Foundation  
Carl Tryggers Foundation  
Wenner-Gren Foundations  
Innovationsbron (Innovation Office)

### **G. Graduate Students**

**Nestor Correia**, UU, 1984. Professor. **Antonio Flores**, Uppsala, 1986., Professor **Carmen Medina-Llanos**, UU, 1988., Computational Expert, Pharmaceuticals. **David Nordfors**, UU, Research Advisor. **Amary Cesar**, UU, 1991. Professor. **Arnaldo Naves de Brito**, UU, 1991 Professor. **Olav Vahtras**, UU, 1992. University Lecturer. **Soren Knuts**, UU, 1993, Volvo. **Yi Luo**, LiU. 1996. Professor. **Dan Jonsson**, LiU, 1998. Ass. Prof. **Patrick Norman**, LiU, 1998. Professor, **Olexandre Plachkevych**, KTH, 2000. Senior Lecturer, **Maria Engstrom**, LiU, 2001. Scientific Advisor.. **Timofei Privalov**, KTH, 2001. Ass. Prof. **Pawel Salek**, KTH, 2001. University Lecturer. **Peter Macak**, KTH, 2002. Mathematical Analyst. **Alexander Baev**, KTH, 2003. Assist. Prof. SUNY, **Branislav Jansik**, KTH, 2004. Lecturer, USD, **Olexandre Loboda**, KTH, 2004. PostDoc.Japan, **Jingdong Guo**, KTH, 2004. Researcher, Shanghai **Zilvinas Rinkevicius**, KTH, 2004. Ass. Prof., **Peter Cronstrand**, KTH, 2004. University Lecturer. **Stepan Kashtanov**, KTH 2005, Researcher, St Petersburg **Oscar Rubio-Pons**, KTH 2005, PostDoc, Max Planck, **Barbara Brena**, KTH 2005, PostDoc. UU, **Viktor Kimberg**, KTH, 2006, PostDoc. IMS **Ivaylo Minkov**, KTH, 2006, (diseased). **Freddy Guimaraes**, KTH, 2006, professor, UFMG, Brasil. **Lyudmila Telyatnik**, KTH, 2006, PostDoc, **Viviane Felicissimo**, KTH, 2006, Ass. Prof. UFMG, Brasil, **Laban Bondeson**, KTH, 2007, Programmer. **Cornel Oprea**, KTH, 2007, Lectuerer, Constanza U . **Sergey Polyutov**, KTH 2007, Researcher. **Jun Jiang**, KTH, 2007, PostDoc. UC Irvine, **Yong Zeng**, KTH, 2007, Researcher. Arizona, **Kai Liu**, KTH, 2008, PostDoc. **Kathrin Hopmann**, KTH, 2008, PostDoc. Tromso, **Tiantian Han**, KTH, 2008, ABB. **Bin Gao**, KTH, 2008, Reseracher, Tromso. **Guangde Tu**, KTH, 2008, PostDoc. **Katia Julia de Almeida**, KTH, 2008, Researcher, Sao Paulo, **Yasen Velkov**, 2008, PostDoc, U Heidelberg.