

# Curriculum Vitae

**Name:** Göran Wahnström  
**Born:** December 13, 1955 in Jönköping, Sweden  
**Address:** Department of Applied Physics, Chalmers University of Technology, Sweden  
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**E-mail:** goran.wahnstrom@chalmers.se **WWW:** <http://fy.chalmers.se/~tfsgw>  
**Civil status:** Married, 5 children (born 1982, 1985, 1987, 1988, 1988)

1979 M.Sc. in Engineering Physics, Chalmers  
1985 Ph.D. in Theoretical Physics, Chalmers (supervisor: Prof. Alf Sjölander)  
1985-1987: Postdoc: University of California, Santa Barbara, USA  
1989 Docent in Theoretical Physics, Chalmers  
2001- Professor in Physics (about 50% research)  
1979-1985: Institute of Theoretical Physics, Chalmers/GU (Teaching Assistant/Lecturer)  
1985-1987: Department of Chemistry, Santa Barbara, USA (Postdoctoral Associate)  
1988-1992: Institute of Theoretical Physics, Chalmers/GU (Research Associate)  
1992-2005 Department of Applied Physics, Chalmers/GU (Associate Professor/Professor)  
2005- Department of Applied Physics, Chalmers (Professor)

I have been away on parental leave for a total of 8 month.

PhD degrees completed under my supervision:

Yinggang Li	1993	Gustav Karlberg	2006
Urban Engberg	1996	Per Sundell	2006
Thomas Mattsson	1997	Mårten Björketun	2007
Björn von Sydow	1997	Sven Johansson	2010
Karin Carling	2003	Dan Fors	2011
Mikael Christensen	2004		

## Personal scholarships and awards:

1979-1983: Chalmers Graduate Fellowship  
1980: The John Ericsson Medal  
1990: Chalmers Pedagogical Prize  
2000-2005: NFR/VR Senior Research Fellowship

## Publications:

Over 100 papers in scientific journals with referee system. (Web of Science 2011-04-12)  
10 in Physical Review Letters, 5 in Chemical Physics Letters, 3 invited chapters in books.  
Total number of citations: 2053. H-index: 25. Average citations per item: 20.43.

## Patent:

S. Norgren, M. Christensen and G. Wahnström,  
patent no SE 0401037-7 (22 April 2004), US patent 11/110,880 (April 21, 2005).

## Supervision:

At present I am principal supervisor for the following PhD students:  
Joakim Nyman, Martin Petisme, Edit Helgee

## Talks at conferences and research schools:

- I give talks at international conferences (3-5/year), often as invited speaker
- I have given a series of lectures at the ICTP in Trieste

**Scientific achievements:**

- In the international Evaluation of Swedish Condensed Matter Physics, 2004, by VR (rapportserie 12:2005) my theoretical research work got the highest rating, “**Outstanding**”.

**Some scientific responsibilities:**

- I am Excellence Profile Leader for the Theory and Modelling within Materials Science – A Chalmers Area of Advance: 2010-
- I was program director and scientific leader of the SSF supported program in materials science “ATOMICS”. Period of operation: 2000-2009. Budget: 32 MSEK.
- I was member of the SSF’s evaluation committee for “The Ingvar Carlsson Award”, 2009
- I was member of the SSF’s evaluation committee for “Strategic recruitment of international top scientists”, 2007
- I was member of NFR’s/VR’s working committee in condensed matter physics during 1994-1996, 1999, 2010.
- I have been opponent for several PhD doctoral dissertations; in Sweden, Denmark, Norway, Finland and Iceland.
- I frequently act as referee for international journals, I have evaluated several applications for promotion. I am frequently on the evaluation committee for doctoral dissertations, I have been co-organizer for several international conferences.

**Teaching activities:**

- I have been and am teaching various courses both at the undergraduate and graduate levels.
- 28 Master of Science thesis works have been completed under my supervision.
- I consistently get excellent evaluations on my teaching performance.
- In 1990 I was awarded the Chalmers Pedagogical Price, in particular for lecturing and developing courses at the undergraduate level.

**Some recent conferences with invited presentations:**

- 4<sup>th</sup> International Workshop on Surfaces and Interfaces, Beijing, China, 2005
- Psik-2005 Conference, Schwaebisch Gmuend, Germany, 2005
- Third International Conference on “Multiscale Materials Modeling”, Freiburg, Germany, 2006
- Psik/COST workshop on “Modeling of extended defects at materials interface”, Wroclaw, Poland, 2006
- 10<sup>th</sup> DICP Symposium “The Chemical Physics of Materials”, Dalian, China, 2006
- International Symposium on Inorganic Interfacial Engineering, Stockholm, Sweden, 2006
- Quantum Simulation and Quantum Dynamics, Hjortviken, Sweden, 2007
- International workshop: “Theory Meets Industry”, Nagoya, Japan, 2009
- Psik-2010 Conference, Berlin, Germany, 2010
- 7<sup>th</sup> Workshop on the Defect Chemical Nature of Energy Material, Kongsberg, Norway, 2011
- E-MRS 2011 Spring Meeting, Nice, France, 2011

**Some administrative duties:**

1989-1990: Member of the Teaching Committee, Engineering Physics/Chemistry at Chalmers  
1990-1993: Member of the Teaching Committee, Physics at Göteborg University  
1993-1997: Member of the Teaching Committee, Engineering Physics at Chalmers  
2000-2003: Member of the Docent Committee at the Physics Faculty, Chalmers/GU  
2003-2005: Member of the Appointment Committee at Physics Faculty, Chalmers  
2003-2005: Member of the Appointment Committee at Physics Faculty, Göteborg University  
2003-2010: Member of the Teaching Committee, Engineering Physics at Chalmers  
2004- Member of the Evaluation Committee for Chalmers Jubilee Professor  
2005- Deputy Head of Department