

# Curriculum Vitae

## Susanne Friederike Viefers

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### Personal details

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<b>Full name</b>	Susanne Friederike Viefers
<b>Date and place of birth</b>	28.03.1970 in Orsoy, Germany
<b>Family</b>	One child, born 2010
<b>Nationality</b>	German (permanent resident of Norway)
<b>Address</b>	Department of Physics University of Oslo P.O. Box 1048 Blindern NO – 0316 Oslo, NORWAY
<b>email</b>	s.f.viefers@fys.uio.no

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### Languages

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German (mother tongue)  
Norwegian (2nd mother tongue)  
English (fluent)  
French (basic)  
Swedish, Danish  
Latin

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### Positions

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<b>Guest professor</b>	Stockholm University, <b>Aug-Dec 2008</b>
<b>Professor</b>	University of Oslo, <b>2007 - present</b>
<b>Associate professor</b>	University of Oslo, <b>Oct 2002-2007</b>
<b>Assistant professor ('forskarassistent')</b>	Chalmers, Gothenburg, 4 year position, Swedish Research Council, granted <b>2002</b> .
<b>Postdoc fellow</b>	Chalmers, Gothenburg, Sweden <b>2000-2002</b>
<b>Research associate</b>	Univ of Jyväskylä, Finland, <b>autumn 1999</b>
<b>Postdoc fellow</b>	Nordita, Copenhagen, <b>1998-2000</b> .
<b>PhD fellow</b>	University of Oslo, <b>1994-1997</b>

## Education and Theses

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<b>Ph.D thesis, theoretical physics</b>	<i>“Field theory of anyons and the fractional quantum Hall effect”</i> , University of Oslo, <b>Dec 1997.</b>
<b>M.Sc thesis, theoretical physics</b>	<i>“Statistical mechanics of anyons in the mean field approximation”</i> , University of Oslo, <b>1993.</b>
<b>Bachelors degree, physics</b>	University of Oslo, <b>1988-1992.</b>

## SCIENTIFIC: Publications and patents

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*See separate list*

## Supervision experience

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<b>Master students</b>	Knut Helland, Oslo (2016-) Vidar Skogvoll, Oslo (2015-) Marius L Meyer, Oslo (2013) Jørgen Fulsebakke, Oslo (2010) Joar Bølstad, Oslo, (2009) Arvid Skaugen, Oslo (2008) Thorleif Aass Kristiansen, Oslo (2007) Nicolay Korslund, Oslo (2006) Mats Horsdal, Oslo (co-supervisor, 2003) Magnus Jonsson, Chalmers (2003) Torgny Johansson, Chalmers (2001)
<b>PhD students</b>	Marius L Meyer, Oslo (2013-present) Ola Liabøtrø, Oslo (2012-present) Juha Suorsa, Oslo (2011) Maria Hermanns, Stockholm (2010) Mats Horsdal, Oslo (co-supervisor, 2008)
<b>Postdocs</b>	Mats Horsdal, Oslo, 2013-2017 Kjetil Børkje, Oslo, 2013-2014 Mathieu Taillefumier, Oslo, 2008-2010 Johan Engquist, Oslo, 2007-2009

## Teaching

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<b>Pedagogical qualification</b>	”Teaching and Learning in Higher Education”, 1-year course, Chalmers university of Technology 2001-02
<b>FYS3140 mathematical methods</b>	Main lecturer/organizer 2013 - present Assistant 2012
<b>FYS3110 quantum mechanics</b>	Assistant, 2012 -present
<b>FYS2140 quantum physics</b>	Main lecturer/organizer, 2005 - 2007 Assistant, 2003, 2004
<b>FYS2160 thermal physics</b>	Assistant, 2003, 2004

## Memberships

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American physical society  
Norwegian physical society

## **Administration: Boards, committees, research project coordination**

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### **Boards and committees**

Norway's representative on the board of NORDITA, Stockholm, 2007-present (Deputy chairman 2007-2013)

Board member, Department of Physics, Oslo, 2003-2008 and 2013-present

Head of Theory Division, Dept of Physics, Feb-July 2016

Member of expert panel in Mathematics and Physical Sciences, Icelandic research Fund, 2015-present

Member of condensed matter expert panel (NT-O), Swedish research council, 2007-2008

Member of Outreach Committee, Department of Physics, Oslo, 2004-2006 (Chairman 2004-2005)

Nordita cond-mat/bio committee, 2004-2006

Served on ~10 PhD examination committees (Gothenburg, Oslo, Uppsala, Stockholm, Lund, Jyväskylä, Århus), three times as main oponent. Several Master thesis exams

Served on a number of academic hiring committees and evaluations for promotion internationally.

### **Project leadership**

PI of NFR FRIPRO project "Topological phenomena in low-dimensional systems", 2012-present

PI of NFR project "Quantum Hall physics in the 2D electron gas and in rotating Bose condensates", 2007-2010

Coordinator of NordForsk Nordic network  
“Low-dimensional physics – the  
theoretical basis of nanotechnology”, 2005-  
2009

**Other**

Main organizer of >5 international  
conferences and symposia, co-organizer of  
several conferences.

Organized a number of seminar/colloquium  
series (Nordita, Chalmers, Oslo).

Referee, various international journals  
(APS, IOP)

### **Recent invited talks (selected)**

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<b>ITAMP workshop "Connecting few-body and many-body pictures of fractional quantum Hall Physics "</b>	Invited plenary talk, Harvard 2016
<b>Conference "Quo Vadis BEC"</b>	Invited plenary talk, Bad Honnef 2014
<b>Dublin Area workshop on nanoscience and low-dimensional quantum matter</b>	Invited plenary talk, Dublin, 2014
<b>Workshop "Corelations, criticality and coherence in quantum systems"</b>	Invited plenary talk, Evora (Portugal) 2014
<b>International school on anyon physics in ultracold atomic gases</b>	Two invited lectures, Freie Universität Berlin 2013
<b>Department colloquia</b>	Bergen, Göteborg, Stockholm, Reykjavik

### **International collaborators (selected)**

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<b>Oxford University</b>	Prof. Steven H Simon
<b>University of Cologne</b>	Dr. Maria Hermanns
<b>Penn State University, USA</b>	Prof. Jainendra Jain
<b>Stockholm University</b>	Prof. Hans Hansson Prof. Anders Karlhede
<b>Jyväskylä, Finland</b>	Prof. Matti Manninen
<b>Lund University</b>	Prof. Stephanie Reimann