

Curriculum Vitae

Eddy Ardonne

July 2023

Personal details

Name: Eddy Ardonne
Address: Department of Physics, Stockholm University
Albanova University Center
SE-106 91 Stockholm
Sweden
phone: + 46 8 5537 8596
E-mail: ardonne@fysik.su.se
Website: <http://staff.fysik.su.se/~ardonne/>
Date of Birth: January 7, 1975
Nationality: Dutch

Education

August 1993 - April 1998

Master's degree in (theoretical) physics, Leiden University.

Title Master's Thesis: *The role of Chern-Simons theory in the quantum Hall effect.*

Supervisors: prof. P. van Baal and prof. J. Zaanen.

Graduation: March 1998 (cum laude).

April 1998 - April 2002

Graduate Student at the University of Amsterdam, Institute for Theoretical Physics.

Supervisor: prof. K. Schoutens.

Ph-D thesis: *A conformal field theory description of fractional quantum Hall states.*

Graduation: April 2002 (cum laude).

Link to my Ph-D thesis: <http://staff.fysik.su.se/~ardonne/thesis.html>

May 2017

Docent in theoretical physics, Stockholm University.

Work experience

March 2012 - present

University lecturer (associate professor) at Stockholm University, Sweden.

December 2007 - December 2012

Assistant professor at Nordita, Stockholm, Sweden.

August 2005 - November 2007

Post-doctoral researcher at the 'Center for the Physics of Information' at the California Institute of Technology, Pasadena, CA, USA.

January 2006 - March 2007

Post-doctoral researcher at 'Microsoft Station Q', Microsoft Research, Santa Barbara, CA, USA (on leave from Caltech).

August 2002 - August 2005

Post-doctoral research associate in the Department of Physics at the University of Illinois at Urbana-Champaign, IL, USA.

Teaching

More information about my teaching can be found on my teaching website:

<http://staff.fysik.su.se/~ardonne/teaching.html>

I was a teaching assistant for various courses during my PhD.

Pre-bachelor courses (Stockholm University):

- Foundation year in natural science - Physics 2 (6 ECST): 2021, 2022, 2023, 2024

Undergraduate courses (Stockholm University):

- Electromagnetism (7,5 ECST): 2010, 2011
- Electromagnetism (12,0 ECST): 2013, 2014, 2015
- Principles of quantum physics (7,5 ECST): 2015, 2016, 2017

Master courses (Stockholm University):

- Quantum field theory for Condensed Matter (7,5 ECST): 2017, 2018
- Mathematical methods in physics (7,5 ECST): 2018, 2019

PhD courses:

- Introduction to conformal field theory (7,5 ECST): 2008, 2011, 2013, 2018

Miscellaneous (Stockholm University):

- Natural Science for Upper Secondary School Teachers - Physics (15 ECST): 2022, 2023

Lecturer at the Benasque summer school: 2010, 2014.

Publications

My papers on Google Scholar:

<https://scholar.google.com/citations?user=MoQsRroAAAAJ>

Papers in refereed journals: 51

Papers in conference proceedings: 2

Guest editor: 2

Popular articles: 2

Supervision

Bachelor students:

Christopher Litens (graduated February 2019)

Master students:

Nikolaos Palaiodimopoulos (co-supervised, graduated Februari 2016)

Emil Génétay Johansen (graduated June 2017)

Lisa Olsson

PhD students:

Babak Majidzadeh Garjani (licentiate: May 2015, graduation: June 2017)

Christian Spånslätt (licentiate: june 2015, graduation: May 2018)

Iman Mahyaeh (licentiate: January 2018, graduation: June 2020)

Alexander Fagerlund (start January 2023)

Post-docs (co-)supervised:

Mats Horsdal

Annica Black-Schaffer

Ville Lahtinen

Paata Kakashvili

Juha Suorsa

Jan Budich

Jonas Kjäll

Krishanu Roychowdhury

Per Moosavi

Administration

Academic year 2015-2016:

Head of the Bachelor committee.

From April 2016: Coordinator of the Master program in theoretical physics at Stockholm University.

November 2016 - November 2020:

Head of the 'Condensed Matter and Quantum Optics' division.

Funding

Personal project funding:

Vetenskapsrådet, Sweden: 2011-2014, 1.9 MSEK

Vetenskapsrådet, Sweden: 2016-2020, 3.1 MSEK

Funding obtained to organize meetings:

Nordita Program - Topological Phases in Cold Atom Systems:				
Conference grant	Nordita	August 2017	300 kSEK	(co-organizer)
Nordita Program - From Quantum Field Theories to Numerical Methods:				
Conference grant	Nordita	May 2016	500 kSEK	(co-organizer)
Nordita Program - Novel directions in frustrated and critical magnetism:				
Conference grant	Nordita	July 2014	500 kSEK	(co-organizer)
Nobel Symposium 156 - New forms of matter: topological insulators and superconductors:				
Conference grant	Nobel Foundation a.o.	May 2014	1.1 MSEK	(co-organizer)
Nordita Program - Topological states of matter: Insulators, Superconductors and quantum Hall liquids:				
Conference grant	Nordita	August 2012	450 kSEK	(co-organizer)
Nordita Program and Conference - Quantum Matter in Low Dimensions: Opportunities and Challenges:				
Conference grant	Nordita	September 2010	450 kSEK	(co-organizer)
Conference grant	INSTANS	September 2010	30 kEUR	(co-organizer)
Nobel Symposium 148 - Graphene and Quantum Matter:				
Conference grant	Nobel Foundation	May 2010	1.1 MSEK	(co-organizer)

Organization of meetings not mentioned under funding

Workshop/school on Topological Phases in Condensed Matter and Cold Atom Systems, Cargèse, September 2015

Nordita winter school on Condensed matter physics, January 2014

Workshop/school on Topological Phases in Condensed Matter and Cold Atom Systems, Cargèse, June 2013

Nordita winter school on Condensed matter physics, January 2010

Nordita workshop on Quantum Hall physics, August 2009

Awards

My Ph-D thesis has been awarded the ‘Andreas Bonn medal’ of the ‘Genootschap ter Bevordering van Natuur-, Genees-, en Heelkunde’.