

# Curriculum Vitae of Danny Thonig



## Personal Information

Birthname	Böttcher
Address	Västanby 4022A, 71693 Fjugesta, Sweden Mobile: +46727010037 E-mail: <a href="mailto:danny.thonig@gmail.com">danny.thonig@gmail.com</a>
Date of Birth	May 6th, 1986      Nationality: German      Personal ID: 198605065799
Working Address	School of Science and Technology, Örebro University Fakultetsgatan 1, 70182 Örebro, Sweden

## Education

From December 2010 to May 2014	<b>PhD studies at the Max Planck Institute of Microstructure Physics, Halle, Germany</b> Topic: Magnetization dynamics and magnetic ground state properties from first principles Grade: 1.06 – Summa cum laude (Maximal achievable grade: 1.0) Supervisor: PD Dr. rer. nat. habil. Jürgen Henk
From April 2011 to May 2014	<b>Member of the International Max Planck Research School for Science and Technology of Nanostructures at the Max Planck Institute of Microstructure Physics, Halle, Germany</b>
From April 2005 to September 2010	<b>Course of studies in Physics at the Martin Luther University Halle-Wittenberg, Halle, Germany</b> Diploma in cooperation with the Max Planck Institute of Microstructure Physics, Halle, Germany Topic: Theory of magnetization dynamics in nanostructures Grade: 1.1 (Maximal achievable grade: 1.0) Intermediate diploma - Grade: 2.3 (Maximal achievable grade: 1.0)
From September 1992 to June 2004	<b>Abitur at 'Kyffhäuser-Gymnasium' in Bad Frankenhausen</b> Abitur (equivalent to A-level), Grade: 1.8 (Maximal achievable grade: 1.0) Focus subjects: Mathematics, Chemistry      Further examination: German, Politics

## Work experience

From August 2019- December 2023	<b>Associate Senior Lecturer at the School of Science and Technology, Örebro University, Örebro, Sweden</b>
From August 2018 - July 2019	<b>Researcher at the Division of Materials Theory, Department of Physics and Astronomy, Uppsala University, Uppsala, Sweden</b> Topic: First principles electronic structure theory and magnetisation dynamics
From March 2018 to March 2019	<b>Parental leave (100% from March to August 2018, 50% from September 2018 to March 2019)</b> For daughter Emma Leni Thonig (Personal ID: 201803099165)
From August 2016 to July 2018	<b>Researcher at the Division of Materials Theory, Department of Physics and Astronomy, Uppsala University, Uppsala, Sweden</b> Topic: Ab-initio magnetisation dynamics within the Tight Binding theory

From August 2014 to July 2016	<b>PostDoc at the Division of Materials Theory, Department of Physics and Astronomy, Uppsala University, Uppsala, Sweden</b> Topic: Spin dynamics in strongly correlated systems Supervisor: Olle Eriksson
From June 2014 to July 2014	<b>Scientist at the Max Planck Institute of Microstructure Physics, Halle, Germany</b>
From October 2008 to July 2009	<b>Scientific assistant at the Martin Luther University Halle-Wittenberg in cooperation with the Max Planck Institute of Microstructure Physics, Halle, Germany</b> Topic: Investigation of magnetic properties on Co/Cu(111)
From August 2008 to September 2008	<b>Work experience at the Max Planck Institute of Microstructure Physics, Halle, Germany</b> Topic: Investigation of magnetic properties on Fe/FeO/MgO based on the Heisenberg model

## Scientific Qualification

Grants (main applicant or listed consortium partner)	Vetenskåpsrådet - Startinggrant (2020-2023) - 3M SEK Carl Tryggers Stiftelse PostDoc Stipend (2022-2024) - 600k SEK Carl Tryggers Stiftelse Conference Grant (2023) - 170k SEK Consortium Partner for NL-ECO network (2023-2028) - 12.5M Euro Vetenskåpsrådet - Projectgrant (2024-2028) - 4M SEK
Publications H-index: <b>19</b>	<b>52</b> which are cited <b>1309</b> times - cite: <b>Google Scholar Dec 6th, 2023; ID: vDtIbaUAAAAJ (Google Scholar), 0000-0001-8007-5392 (ORCID)</b>
Journal Referee/ Editor	Journal referee for: Nature Publishing Group (Nat. Phys., Sci. Rep., aso.), Journals of American Physical Society (PRL, PRB, PRX, PRE, aso.), Elsevier, IOPscience, Emerald Insight, Computational Materials Science - In total, > <b>60</b> papers. Editor for Frontiers in Physics “Nucleation and Stability of Exotic Solitons in Condensed Matter” (2022)
Evaluation board/ Opponent	Proposal evaluator for: FONDECYT Regular Competition 2017, Deutsche Forschungsgemeinschaft (DFG) (2021/2022), Icelandic Research Fund Expert Panel (2022), US Department of Energy (2023) Registered at European evaluation board Functional coordinator for Knut Alice Wallenberg’s WISE at Örebro University Opponent: Rahul Gupta (2020) Uppsala University, Ksenia Vodenkova (2021) ITMO University
Organization	Student coordinator at the 'International Max Planck Research School', Workshop coordinator of <b>6</b> events, Organiser of the Sweden-only online seminar “Trends in Magnetism”
Member	German Physical Society (DPG), Essence, European Materials Modeling Council (EMMC), Svenska Fysiker Samfundet, Centre Européen de Calcul Atomique et Moléculaire (CECAM), European Physics Society (EPS)
Conference contributions	<b>7</b> invited talks, <b>26</b> contributed talks, <b>13</b> posters
Supervision of students	<b>5</b> Project Students, <b>2</b> Bachelor student, <b>2</b> Master students, <b>3</b> PhD student, <b>4</b> PostDoc

## Pedagogical Qualification

Courses	<b>10</b> weeks of academic teacher training, <b>3</b> week of supervision training <b>Docent in Physics</b> - October 2023.
Teaching	<b>4.5</b> year at Örebro University: “Numerical methods for data engineers”, “Multivariable Analysis for Engineers”, “Optimisation for Engineers”; at Linnaeus University: “Density functional theory with application to atom and condensed matter physics”; at Martin Luther University - Advanced training module “Introduction to coupled dynamics of spins, phonons, and electrons”

## General Qualifications

Languages	German - <b>C2</b> - Proficient User (Mother-thong) ; English - <b>C2</b> - Proficient User; Swedish - <b>C1</b> - Independent User
Leadership	Development Program as Associate Lecturer, including academic leadership, Research communication, Grant seeking, Networking and group dynamics, Vision, regulations, and support for research and education