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Curriculum Vitæ

I was born in Berlin, (West-)Germany, in 1988. After moving to Frankenthal (Pfalz) in 1995, where I attended primary school, I received my secondary education at Carl-Bosch-Gymnasium in Ludwigshafen am Rhein, where I graduated in 2006. In 2006–2007, I completed a nine months civil service at a hospital in Bad Dürkheim.

I moved back to Berlin in 2007 and enrolled for a Bachelor of Science in Physics at the Freie Universität Berlin, from which I graduated in 2010; my thesis "Edge state mixing in the quantum hall effect in p–n junctions in graphene" was supervised by Piet Brouwer. Immediately afterwards, I enrolled for the Master of Science in Physics at the same university, and graduated in 2012 with my thesis "Fluctuation corrections to conductivity in superconducting films and cylinders" which was supervised by Georg Schwiete, again in the group of Piet Brouwer.

I continued my studies joining the group of Carlo Beenakker in Leiden in 2013 as a PhD student at the Instituut Lorentz, part of the Leiden Institute of Physics, and employed by the Stichting voor Fundamenteel Onderzoek der Materie (FOM). During my time there, I collaborated closely with experimental physicists from the group of Leo Kouwenhoven and Leonardo DiCarlo, both at TU Delft, and with Janos Asbóth at the Wigner Institute for Advanced Studies in Budapest, Hungary. I also supervised a project of a visiting Bachelor student, Yaroslav Gerasimenko, which resulted in a publication. I taught the exercise classes of the Statistical Physics 2 course in Leiden in 2013, 2014 and 2015, for which I was awarded a Teaching Assistant Prize from the Faculty of Science in 2014. I attended many conferences and workshops and presented my work to others in the Netherlands, Hungary, Germany, France, Finland, Ukraine, and Italy.

List of publications

- B. Tarasinski and G. Schwiete. *Fluctuation conductivity of disordered superconductors in magnetic fields*. Phys. Rev. B **88**, 014518, 2013.
- B. Tarasinski, J. K. Asbóth, and J. P. Dahlhaus. *Scattering theory of topological phases in discrete-time quantum walks*. Phys. Rev. A **89**, 042327, 2014. [Chapter 2]
- J. K. Asbóth, B. Tarasinski, and P. Delplace. *Chiral symmetry and bulk-boundary correspondence in periodically driven one-dimensional systems*. Phys. Rev. B **90**, 125143, 2014. [Chapter 3]
- P. Baireuther, T. Hyart, B. Tarasinski, and C. W. J. Beenakker. *Andreev-Bragg reflection from an Amperian superconductor*. Phys. Rev. Lett. **115**, 097001, 2015.
- I. van Weperen, B. Tarasinski, D. Eeltink, V. S. Pribiag, S. R. Plissard, E. P. A. M. Bakkers, L. P. Kouwenhoven, and M. Wimmer. *Spin-orbit interaction in InSb nanowires*. Phys. Rev. B **91**, 201413, 2015. [Chapter 6]
- B. Tarasinski, D. Chevallier, J. A. Hutasoit, B. Baxevanis, and C. W. J. Beenakker. *Quench dynamics of fermion-parity switches in a Josephson junction*. Phys. Rev. B **92**, 144306, 2015. [Chapter 5]
- Y. Gerasimenko, B. Tarasinski, and C. W. J. Beenakker. *Attractor-repeller pair of topological zero-modes in a nonlinear quantum walk*. Phys. Rev. A **93**, 022329, 2016. [Chapter 4]