



BARDEHLE PAGENBERG Team

Jonathan Steinberg

Dr. rer. nat., M.Sc. (Physics)



Patent Engineer

Location Munich

Languages: German, English

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Jonathan Steinberg's practice focuses on drafting patent applications and assisting clients in examination proceedings before the European and German Patent Offices. In addition, he deals with infringement and validity matters as well as with opposition proceedings, appeal proceedings and nullity proceedings.

Jonathan Steinberg's work draws on his extensive knowledge in his technical specializations in quantum physics and mathematics, in particular in the field of quantum computing and quantum error correction.



Domaines Juridiques

Patent Valuation

Patent Litigation

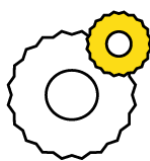
Patent Prosecution

Oppositions and Nullity

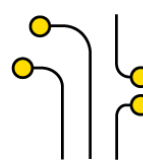
Secteurs industriels



Semiconductor Technology



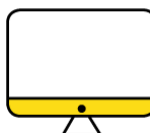
Mechanical Engineering



Electrical Engineering



Medical Devices



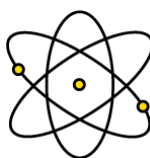
Software, IT & Computer Technology



Telecommunications



Sports



Physics



Lectures & Seminars

Lecturer for the course "Mathematical Methods in Quantum Theory" in the winter term 2020/2021 at the University of Siegen



Memberships

Member of the German Physical Society (Deutsche Physikalische Gesellschaft)



Publications

- H. Jnane, J. Steinberg et al. : "Quantum Error Mitigated Classical Shadows" (PRX Quantum 5, 010324)"
- H. C. Nguyen, J. Steinberg et al. : "Optimising shadow tomography with generalised measurements" (Phys. Rev. Lett. 129, 220502)
- Z.-P. Xu, J. Steinberg, A. Cabello et al. : "Graph-theoretic approach to Bell experiments with low detection efficiency" (Quantum 7, 922)



Curriculum vitae

- 2024 - aujourd'hui** Studies of law for patent attorneys at Fernuniversität Hagen, Germany
- 2023 - aujourd'hui** Patent Engineer and Trainee Patent Attorney at BARDEHLE
PAGENBERG in Munich, Germany
- 2023** Visiting researcher at Peking University in the group of Qiongyi He
- 2020 - 2023** PhD thesis ("summa cum laude") in physics (Dr. rer. nat.) at the
University of Siegen on quantum information theory and quantum
computing with a scholarship from the House of Young Talents
- 2018 - 2020** M.Sc. studies in theoretical and mathematical physics at the University
of Siegen ("with distinction"). Publication of the M.Sc. thesis as a book
in the series Springer BestMaster.
- 2014 - 2018** B.Sc. studies in physics and mathematics at the University of Münster
and the University of Siegen (both "with distinction")