Résumé

Personal information

Full Name	Jonas Jansen
Address	Sölvegatan 18 A, 223 62 Lund
Born	October 25, 1992, Aachen, Germany
Email address	jonas.jansen@math.lth.se

Professional Appointments and Employment

Apr. 2022 - Present Postdoctor – LTH, Lunds Universitet

Apr. 2018 - Sep. 2022 Wissenschaftlicher Mitarbeiter – Rheinische Friedrich-Wilhelms-Universität Bonn

Studies and Education

Apr. 2018 - Sep. 2022 Ph.D. student in Mathematics – Rheinische Friedrich-Wilhelms-Universität Bonn

Thesis: Flows of Viscous Fluids: Fluctuations for Stochastic Homogenisation in Perforated Domains, and Non-Newtonian Thin-Film Models
Ph.D. advisor: Prof. Dr. Juan J. L. Velázquez

Apr. 2015 - Jan. 2018 M. Sc. in Mathematics – Rheinische Friedrich-Wilhelms-Universität Bonn

Thesis: Renormalization group methods for Stochastic PDEs
Supervisor: Prof. Dr. Massimiliano Gubinelli

Apr. 2012 - Mar. 2015 B. Sc. in Mathematik – RWTH Aachen University

Thesis: Large deviations für eine Vlasov-Fokker-Planck Gleichung
Supervisor: Prof. Dr. Michael Westdickenberg

Oct. 2011 - Mar. 2012 History studies – Humboldt-Universität zu Berlin

Publications and Preprints

Journal articles

J. Jansen, C. Lienstromberg, and K. Nik. "Long-time behaviour and stability for quasilinear doubly degenerate parabolic equations of higher order". In: *arXiv:2204.08231 [math]* (2022). arXiv: 2204.08231. (accepted for publication)

Preprints

R. M. Höfer and J. Jansen. "Convergence rates and fluctuations for the Stokes-Brinkman equations as homogenization limit in perforated domains". In: *arXiv:2004.04111 [math]* (2022)

Organized Events

2020 Workshop on *The Mathematical Theory of Particle Suspensions* funded by SFB1060 together with Arianna Giunti, Richard Höfer, and Juan J. L. Velázquez.

Invited Talks

2021 15th International Conference on Free Boundary Problems
Minisymposium on Asymptotic approaches to interface dynamics, online

2020 DMV Jahrestagung 2020
Minisymposium on PDEs in Fluid Dynamics, online

Further interests and qualifications

2022 Workshops on *Social Media für die Wissenschaft – Wie ich Forschung präsentieren kann*, *How to Start Your Podcast in Science Communication*, and *Communicating Science*, part of the Doctorate Plus program of the University Bonn

2016 Studienstiftung des deutschen Volkes e.V. Summer Academy
Unendliches erzählen. Moderne Mathematik in der Literatur des 20. Jahrhunderts, Neubeuern