



✉ jangund@chalmers.se

[in](#) [linkedin profile](#)

☎ +49 163 844 0292

About me

Licentiate and prospective PhD in pure mathematics with several years of tutoring experience, PhD council work, and chairman activity for student underwater rugby. Offering research level expertise in operator algebras and extended knowledge in analytic number theory and stochastic processes. With the ability of analytical problem-solving and ongoing wide-spread academic curiosity.

Languages

German: Native

English: C1+

Latin: B2

Swedish: B2

Spanish: B1

Tech skills

MS Office, LaTeX, Python, RStudio.

Personal skills

Diligence, intellectual curiosity, resourcefulness, analytic problem-solving, witty approach, passionate teaching, steadiness, reliability.

Hobbies

Tournament bridge, underwater rugby, jigsaw puzzling.

Jan Gundelach

Mathematician

Professional Experience

08/2021 – ongoing **PhD studies in Mathematics**

- ✓ Research on operator algebras:
 - E. Gardella, J. Gundelach. “*Embeddings of L^p -operator algebras*”. 2026. Preprint, arXiv:2601.15204.
 - “*An embedding version of Rubin's theorem*”. 2026. Preprint, arXiv:2602.18197.
 - “*Duality of partial Rokhlin dimension*”. 2026. Preprint, arXiv:2604.09380.
- ✓ Successful travel grant applications.
- ✓ International connectivity: Frequent conference attendance. Contributed talks in Sweden, Norway, Germany, Spain, and Poland.

10/2017 – ongoing **Academic Tutor**

- ✓ Hosting exercise classes and replacing lectures in German, English, and Swedish.
- ✓ Designing and correcting exercise sheets and exams.

Academic Background

08/2021 – 06/2026 (estimated) **PhD in Mathematics**

Göteborgs Universitet and Chalmers Tekniska Högskola, Göteborg in Sweden.

- Thesis: “*Rigidity and embedding phenomena in operator algebras*” supervised by Prof. Eusebio Gardella.

10/2019 – 07/2021 **MSc in Mathematics**

Georg-August-Universität, Göttingen in Germany.

- Theoretical Physics as a secondary subject
- Thesis: “*Leavitt path algebras as Cohn localisations and their Hochschild homology*” supervised by Prof. Ralf Meyer.

10/2016 – 09/2019 **BSc in Mathematics**

Georg-August-Universität, Göttingen in Germany.

- Thesis: “*Chebotarev's density theorem*” supervised by Prof. Valentin Blomer.

Fellowships

- Kungl. Vetenskapsakademiens stiftelser (G.S. Magnuson Foundation 2023-2024)
- Studienstiftung des deutschen Volkes (2017-2021)