

Christian Peter Jäh

Curriculum Vitae

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Doctorate

- 06/2011–06/2015 **Dr. rer. nat.**
TU Bergakademie Freiberg
Freiberg, Germany
- Title of dissertation* Some results on the uniqueness and conditional stability in the Cauchy problem for backward-parabolic equations with low-regular coefficients
- Grade* Magna cum laude
- First supervisor* Prof. Michael Reissig, TU Bergakademie Freiberg, Germany
- Second supervisor* Prof. Daniele Del Santo, Università degli Studi di Trieste

Diploma Thesis

- 2011 **Dipl.-Math.**
TU Bergakademie Freiberg
Freiberg, Germany
- Title of diploma thesis* Uniqueness and Non-uniqueness in the Cauchy Problem for Elliptic and Backward-Parabolic Operators
- Grade* 1.0 (excellent)
- First supervisor* Prof. Michael Reissig, TU Bergakademie Freiberg, Germany
- Second supervisor* Prof. Daniele Del Santo, Università degli Studi di Trieste

Scholarships

- 12/2011–09/2013 **Doctoral Scholarship FES**
Doctoral scholarship of the [Friedrich-Ebert-Stiftung](#).
The Friedrich-Ebert-Stiftung supports students with outstanding academic achievements who are also engaged in the further development of society.
- 06/2011–11/2011 **State Graduate Scholarship**
Doctoral scholarship of the Free State of Saxony.

Academic Education

- 06/2011–06/2015 **Doctoral Studies**
TU Bergakademie Freiberg
Faculty of Mathematics and Computer Science
Field of work: Carleman estimates for elliptic and parabolic partial differential equations
- 02/2011–06/2011 **ERASMUS Internship**
Università degli Studi di Trieste
Trieste, Italy
In-depth studies in preparation for the doctoral period.
Supervisor: Prof. Daniele Del Santo

- 02/2009–07/2009 **ERASMUS Student**
Università degli Studi di Trieste
Trieste, Italy
Semester abroad: attended courses at the university and at SISSA.
- 10/2005–03/2011 **Dipl.-Math.**
TU Bergakademie Freiberg
Freiberg, Saxony, Germany
Grades (see transcript): overall grade 1.4 (very good), diploma thesis 1.0 (excellent)
Major *Applied Mathematics* with minor *Theoretical Physics*

Professional Experience

- 10/2025–03/2026 **Interim Professorship in Algebra and Algebraic Geometry**
Mathematisches Institut
Georg-August-Universität Göttingen
- 10/2020–09/2021 **Interim Professorship in Analysis in the Sciences**
Institut für Mathematik
Universität Rostock
- 10/2018–present **Research Associate**
Mathematisches Institut
Georg-August-Universität Göttingen
- 08/2017–08/2018 **Lecturer (interim)**
Department of Mathematical Sciences, School of Sciences
Loughborough University, United Kingdom
- 10/2015–08/2017 **Research Associate**
Department of Mathematical Sciences, School of Sciences
Loughborough University, United Kingdom
- 10/2013–09/2015 **Research Associate**
Institut für Angewandte Analysis
Technische Universität Bergakademie Freiberg

Higher Education Pedagogical Training

In order to further improve my teaching skills and to qualify myself for handling difficult situations that may arise in everyday university teaching – in particular in light of the increasing diversity of educational backgrounds, learning prerequisites, etc. – I have attended the courses and workshops listed below.

- 2025 **Workshop**
Formative Assessment with AI (September 2025)
Georg-August-Universität Göttingen
- 2018 **Workshop**
Interactive Whiteboards in Teaching
Georg-August-Universität Göttingen
- 2018 **Workshop**
E-Assessment
Georg-August-Universität Göttingen
- 2017 **Workshop**
Student Learning Through Effective Feedback
Loughborough University
- 2017 **Workshop**
Active Teaching in Large Groups/Lectures
Loughborough University
- 2017 **Workshop**
Student Learning Through Critical Thinking
Loughborough University

- 2017 **Workshop**
Inclusive Assessment
Loughborough University
- 2016 **Workshop**
Inclusive Teaching & Supporting Neurodivergent Students
Loughborough University
- 2016 **Workshop**
Unconscious Bias
Loughborough University
- 2016 **Workshop**
Supervision of Bachelor's and Master's Theses
Loughborough University
- 2016 **Workshop**
Evaluating One's Own Teaching
Loughborough University
- 2016 **Workshop**
Presenting for Effective Learning
Loughborough University
- 2015 **Workshop**
Flipped Classroom
TU Bergakademie Freiberg
- 2015 **Workshop**
How to Motivate and Engage Students
TU Bergakademie Freiberg
- 2014 **Workshop**
Designing Successful Tutorials for Engineers
TU Bergakademie Freiberg
- 2014 **Workshop**
Producing Teaching Videos
TU Bergakademie Freiberg
- 2013 **Workshop**
How to Design a Lecture Course
TU Bergakademie Freiberg

Research Visits Abroad (since 2011)

These visits do not include positions at foreign universities, but only longer or non-conference-related stays abroad while employed at a German university.

- 03/2016 **Visiting Researcher**
University of Texas-Pan American
Edinburg, TX, USA
Joint research with Prof. K. Yagdjian.
- 03/2015 **Visiting Researcher**
University of Texas-Pan American
Edinburg, TX, USA
Joint research with Prof. K. Yagdjian.
- 01/2013–05/2013 **Visiting Researcher**
University of Texas-Pan American
Edinburg, TX, USA
Joint research with Prof. K. Yagdjian and delivery of a mini-course on pseudodifferential operators.

- 11/2012 **Teaching Visit**
Università degli Studi di Trieste
 Trieste, Italy
 Two-week teaching visit within the ERASMUS staff mobility programme.
- 05/2012 **Visiting Researcher**
Università degli Studi di Trieste
 Trieste, Italy
 Joint research and teaching activity.
- 04/2012 **Teaching Visit**
Università degli Studi di Trieste
 Trieste, Italy
 Two-week teaching visit within the ERASMUS staff mobility programme.
- 10/2011 **Visiting Researcher**
Università degli Studi di Trieste
 Trieste, Italy
 Joint research and teaching activity.
- 03/2011–06/2011 **Visiting Researcher**
Università degli Studi di Trieste
 Trieste, Italy
 Joint research and teaching activity.

Conferences/Workshops/Seminars

(* with contribution/talk)

- 02/2026 **Conference**
Microlocal and Global Analysis, Interactions with Geometry
 Universität Potsdam, Germany
- 02/2026 **Conference**
MAMA26: Modern Applications of Microlocal Analysis
 University College London, United Kingdom
- 02/2025 **Conference***
Microlocal and Global Analysis, Interactions with Geometry
 Universität Potsdam, Germany
- 02/2024 **Conference***
Pseudo-Differential Operators and Related Topics
 Ghent University, Belgium
- 02/2024 **Conference***
Microlocal and Global Analysis, Interactions with Geometry
 Universität Potsdam, Germany
- 02/2022 **Conference***
Microlocal and Global Analysis, Interactions with Geometry
 Universität Potsdam, Germany
- 02/2021 **Conference***
Microlocal and Global Analysis, Interactions with Geometry
 Universität Potsdam, Germany
- 02/2020 **Conference***
Microlocal and Global Analysis, Interactions with Geometry
 Universität Potsdam, Germany
- 09/2019 **Conference**
Anomalies in Partial Differential Equations
 Università degli Studi di Roma – La Sapienza, Italy

- 03/2019 **Conference**
Microlocal and Global Analysis, Interactions with Geometry
Universität Potsdam, Germany
- 09/2018 **Conference***
Dynamics Days Europe 2018
Loughborough University, United Kingdom
- 05/2018 **Workshop**
International ICMM Workshop on Mathematical Modeling: From Bio to Quantum
Loughborough University, United Kingdom
- 04/2018 **Workshop**
UK Network on Hyperbolic Equations and Related Topics
University of Edinburgh, United Kingdom
- 02/2018 **Workshop**
UK Network on Hyperbolic Equations and Related Topics
Loughborough University, United Kingdom
- 12/2017 **Workshop***
UK Network on Hyperbolic Equations and Related Topics
Imperial College, United Kingdom
- 08/2017 **Conference**
11th ISAAC Congress
Växjö University, Sweden
- 08/2016 **Conference***
XVI International Conference on Hyperbolic Problems
RWTH Aachen, Germany
- 07/2016 **Conference***
7th European Congress of Mathematics
Berlin, Germany
- 04/2016 **Conference**
Recent Trends in Nonlinear Evolution Equations
CIRM Marseilles, France
- 12/2015 **Workshop**
Mathematical aspects of big data: a joint meeting of the LMS and the EMS
ICMS, United Kingdom
- 08/2015 **Workshop***
Recent progress in Evolution Equations
Guangdong University, Guangzhou, China
- 08/2015 **Conference***
10th ISAAC Congress
Macau, China
- 08/2014 **Workshop***
Chemnitz-Zagreb Workshop on Harmonic Analysis for PDE, Applications, and related topics
TU Chemnitz, Germany
- 05/2013 **Conference***
9th ISAAC Congress
Krakow, Poland
- 05/2013 **Conference***
Complex Analysis & Dynamical Systems VI
Nahariya, Israel
- 04/2013 **Seminar***
Seminar on PDE
University of Texas-Pan American, Edinburg, TX, USA

- 06/2012 **Workshop**
Journées des Équations aux dérivées partielles
Biarritz, France
- 03/2012 **Workshop***
Sino-German Workshop on the Analysis of Partial Differential Equations and Applications
Chongqing, China
- 02/2012 **Workshop***
Italian German Workshop on Phase Space Methods for PDE
TU Bergakademie Freiberg, Germany
- 09/2011 **Workshop**
Perspectives of Phase Space Analysis of PDE's
Bertinoro, Italy
- 08/2011 **Conference***
8th ISAAC Congress
Moscow, Russia
- 03/2011 **Conference**
Asymptotic Properties of Solutions to Hyperbolic Equations
Imperial College, United Kingdom
- 02/2011 **Workshop***
Chinese-German Workshop on Analysis of Partial Differential Equations and its Applications
TU Bergakademie Freiberg, Germany
- 05/2010 **Conference**
Nonlinear water waves with applications to wave-current interactions and tsunamis
University of Texas-Pan American, Edinburg, TX, USA
- 10/2008 **Workshop**
Workshop on Evolution Equations
TU Bergakademie Freiberg, Germany

Organisation of Conferences/Meetings/Workshops

For the schools and events listed here, I was one of the main (academic) organisers, with the usual responsibilities of recruiting speakers, organising the talks, and all the smaller tasks that allow such events to run smoothly.

- 03/2025 **Spring School**
Decoupling and More
<https://www.uni-goettingen.de/en/692597.html>
- 04/2024 **Spring School**
Modern Aspects of Analysis on Lie Groups
<https://jaeh.cc/SS2024/index.htm>
- 09/2022 **Autumn School**
Singular Integrals on Nilpotent Lie Groups and Related Topics
<https://jaeh.cc/SS2022/index.htm>
- 12/2012 **Workshop**
Franco-German PDE Seminar
Grant RS-06-12 (Deutsch-Französische Hochschule – Université franco-allemande)
Research meeting with Christian Jäh, Michael Reissig (TU Bergakademie Freiberg), Marius Paicu (Université de Bordeaux 1), and Daniele Del Santo together with Martino Prizzi (Università degli Studi di Trieste).
I wrote the funding proposal and took on the local organisation of the workshop, including the scientific programme.

Summer School Participation

During my doctoral studies I attended summer schools, some of which were also outside my immediate research area, in order to broaden my training accordingly, primarily with a view to applications of mathematics in physics.

- 02.09.–06.09.2019 **Summer School**
Dyadic Harmonic Analysis, Martingales, and Paraproducts
Summer school in Bazaletti, Georgia
- 15.06.–28.06.2013 **Helmholtz International Summer School**
Physics of Heavy Quarks and Hadrons
Summer school at the Joint Institute for Nuclear Research, Dubna, Russia.
- 28.08.–08.09.2012 **Helmholtz International Summer School**
Dense Matter in Heavy-Ion Collisions and Astrophysics
Summer school at the Joint Institute for Nuclear Research, Dubna, Russia.

Engagement in Academic Self-Governance

- 10/2023–present **Member of the Board of the Mathematisches Institut**
Voting member representing the mid-level academic staff
- 2011–12/2014 **Doctoral Candidate Representative**
Advisory member of the Academic Senate of TU Bergakademie Freiberg.
- 2011–12/2014 **Student Representative**
Doctoral Candidates' Council of TU Bergakademie Freiberg.
- 2006–2009 **Student Representative**
Student Council of the Faculty of Mathematics and Computer Science at TU Bergakademie Freiberg.
- 2007–2009 **Senator (student representative)**
Full member of the Academic Senate of TU Bergakademie Freiberg.
- 2007–2008 **Member of the Convocation**
Convocation of TU Bergakademie Freiberg.

Memberships in Professional Societies

- 2018–present **Lifetime Member**
ISAAC – International Society for Analysis, its Applications and Computation
- 2016–present **Member**
LMS – London Mathematical Society
- 2014–present **Member**
CCC – Chaos Computer Club e.V.
- 2009–present **Member**
DMV – Deutsche Mathematiker-Vereinigung e.V.
German Mathematical Society

Secondary Education

- 2001–2004 **Abitur (general university entrance qualification)**
BSZW-Rodewisch
Rodewisch, Germany
Advanced courses: Information Systems (computer architecture, programming, relational databases, etc.) and Mathematics
The school was part of a pilot project *Informatikgymnasium* in Saxony with extended computer science instruction of eight hours per week.

Language Skills

German **Native speaker**

English **Full professional proficiency** — Spoken and written.

French **Basic knowledge**

Italian **Basic knowledge**