

---

# Curriculum Vitae

## Sebastian Schwarzacher

### PERSONAL INFORMATION

Family name, First name: Schwarzacher, Sebastian  
Researcher unique identifiers: ORCID: 0000-0003-2415-1172      Researcher ID: V-8567-2019  
Scopus: 51864654900      MR Author ID: 956465  
Date of birth: 24th July 1984      Nationality: Austria  
Web site (personal): <http://www.karlin.mff.cuni.cz/~schwarz>  
Web site (team): <https://fsi.karlin.mff.cuni.cz/>

### EDUCATION

Nov. 2022      Habilitation for associate professor  
Title: *Analysis for the interactions between fluids and solids*  
Faculty of Mathematics and Physics, Charles University, Prague.  
Oct. 2013      PhD (Grade: *summa cum laude*, Supervisor: *Lars Diening*)  
Title: *Regularity for degenerate elliptic and parabolic systems*  
Faculty of Mathematics, Informatics and Statistics, LMU Munich, Germany,  
Aug. 2010      Master (Diploma), Mathematical Institute, Albert Ludwigs Univ. of Freiburg, Germany

### CURRENT POSITIONS

Feb. 2022–      Associate Professor, Department of Mathematics, Uppsala Univ., Sweden  
Nov. 2022–      Associate Professor, Faculty of Mathematics and Physics, Charles University, Czechia,  
before Assistant Professor

### PREVIOUS POSITIONS

2017–2018      Postdoc, Institute for Applied Mathematics, University of Bonn, Germany  
2017–2022      Assistant Professor, Faculty of Mathematics and Physics, Charles Univ., Czechia  
2014–2016      Postdoc, Faculty of Mathematics and Physics, Charles University, Prague, Czechia  
2010–2014      Scientific Assistant, Faculty of Mathematics, Informatics and Statistics, Department of Mathematics, LMU Munich, Germany

### GRANTS AND AWARDS

2024-2028      *Excellent member* of the OP JAK grant FERMION (Czech Ministry, EU) for physical experiments, numerical simulations and mathematics.  
2023      Call for a W3 Professorship 'Applied Analysis' at the University of Ulm, Germany.  
2023–2026      PI of VR Project grant (Swedish Research council)  
2021–2026      PI of ERC-CZ Grant CONTACT LL2105 (Czech Ministry)  
2018-2021      PI of GAČR grant GJ19-11707Y (Czech Science Foundation)  
2018-2021      PI of Primus grant PRIMUS/19/SCI/01 (University grant)  
2014      PhD thesis awarded with the *Carathéodory-Price* of the LMU Munich  
2014      Awarded with a *Leopoldina-Postdoc-Stipendium*, at Univ. of Florence, (not accepted)  
2011      Diploma thesis awarded with the *Alumni-Price* of the University of Freiburg

---

## ORGANIZATION OF SCIENTIFIC MEETINGS

- Sept. 2024 Co-Organizer of the first MPDE conference in Prague 16 plenary, 24 invited speaker and ~ 80 participants from modeling, analysis and numerics, including world leading experts.
- Sept. 2024 Co-Organizer of the annual GAMM PDE Workshop.
- Jul. 2022 Invited organisation of Minisymposium at Equadiff 15 on fluid-structure interactions.
- Jul. 2021 Co-Organizer of Brijuni Applied Mathematics Workshop 2021 (a similar event is planned in 2025).
- Sep. 2019 Co-Organization of a Hausdorff School at the University of Bonn

## SCIENTIFIC LECTURES

Invited speaker at *Hot Topics: Recent Progress in Deterministic and Stochastic Fluid-Structure Interaction*, (MSRI, Berkeley, USA, 2023)

Invited speaker at *Evolution Equations and Related Topics - Energy Structures and Quantitative Analysis*, (Kyoto, Japan, 2023)

Plenary speaker at *Workshop: Analysis of Fluid and Elastic Bodies Interactions*, (Univ. of Regensburg, Germany, 2022)

Invited speaker at the (online) Birs workshop: *Nonlinear Potential Theoretic Methods in Partial Differential Equations*, (Banff, Canada, 2021)

Invited speaker: *Lake Como School: Partial Differential Equations of Mathematical Physics and Applications*, (Como, Italy, 2021)

Plenary speaker at the *INdAM Meeting on "Geometric Properties for Parabolic and Elliptic PDE's"*, (*Palazzone in Cortona*, Italy, 2019)

Invited speaker to the *Workshop on Nonlinear Parabolic PDEs*, (*Institute Mittag Leffler*, Sweden, 2019).

Invited speaker at the workshop *Geometric Measure Theory and Free Boundary Problems*, (Hausdorff Research Institute of Mathematics, Germany, 2019)

Plenary speaker to the *GAMM-Workshop on the Analysis of PDE*, (Stuttgart, Germany 2018)

Invited speaker at *Nonlinear Flows: Entropy methods, dissipative systems, and applications*, (ESI, Austria, 2016)

## TEACHING AND MENTORING

Lectures (15), seminars (11) and mentorings (2) in Sweden, Czechia and Germany for Bachelor and Master students from mathematics, physics, engineering and economics. Supervision of two Bachelor students and three Master Students that each include original published research; all continued in academia.

## SUPERVISION OF GRADUATE STUDENTS AND POSTDOCS

Currently. Postocs: T. Biswas (before UNIST, Korea), M. Fehling (before Fort Collins, USA), M. Kampschulte (before Aachen, Germany), J. Niinikoski (before Jyvaskyla, Finland), PhD: (S. Mosny). Previous PhD: A. Cesik (now Warwick Univ.), C. Mindrila (now BCAM) Previous Postdocs: P. Su (now Paris-Saclay), B. She (now tenured at Capital Normal University, Beijing), G. Sperone (now tenured Politec. Milano), G. Gravina (now tenured Loyola Uni., Chicago), M. Sroczynski (now Univ. Konstanz), J. Burczak (now tenured Univ. Leipzig).