
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
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Date of birth: 24th July 1984 Nationality: Austria
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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

- June 2025 Co-Organizer of Brijuni Applied Mathematics Workshop 2025; a similar event was co-organized 2021.
- Sep. 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.
- Sep. 2024 Co-Organizer of the annual GAMM PDE Workshop.
- July 2022 Invited organisation of Minisymposium at Equadiff 15 on fluid-structure interactions.
- 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) Birns 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 (17), seminars (11) and mentorings (2) in Sweden, Czechia and Germany for Bachelor and Master students from mathematics, physics, engineering and economics. Two Bachelor students and three Master Students. All master thesis included original published research. *Completion of pedagogical courses in lecturing and PhD supervision at Uppsala Univ.*

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCS

Current Postocs: T. Biswas (before UNIST, Korea), M. Fehling (before Fort Collins, USA), M. Kampshulte (before Aachen, Germany), J. Niinikoski (before Jyvaskyla, Finland), Current 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. Srocinski (now Univ. Konstanz), J. Burczak (now tenured Univ. Leipzig).