

CV: PHILIPP LEITNER

Chalmers University of Technology | University of Gothenburg

Email philipp.leitner@chalmers.se

Web philippleitner.net

Education

PhD 2011 Faculty of Informatics, Vienna University of Technology. Thesis: On Preventing Violations of Service Level Agreements in Composed Services using Self-Adaptation. Advisor: Prof. Schahram Dustdar

Current and Previous Employment

2019– Associate Professor (Docent), Department of Computer Science and Engineering, Chalmers University of Technology and University of Gothenburg

2017–19 Assistant Professor, Department of Computer Science and Engineering, Chalmers University of Technology and University of Gothenburg

2014–17 Senior Research Associate, Department of Informatics, University of Zurich

2011–13 Postdoctoral Researcher, Faculty of Informatics, Vienna University of Technology

2007–11 Research and Teaching Assistant, Faculty of Informatics, Vienna University of Technology

2005–07 Research Software Engineer, Siemens PSE, Vienna

Research visits Institute of High-Performance Computing, Singapore (2013); University of Stuttgart, Germany (2010).

Organization and Management

Unit Manager “Software Engineering 2” (~25 staff), Chalmers | University of Gothenburg, 2022–2025

Research lead Internet Computing and Emerging Technologies (ICET) lab, Chalmers

Programme Admin Master Programme Administrator, Software Engineering, Chalmers | University of Gothenburg, 2021

Faculty Senate Member of the Faculty Senate Drafting Board, IT Faculty, University of Gothenburg, 2021–2024

Docentship

2019 Oavlönad Docent in Software Engineering, Chalmers University of Technology.

PhD Students and Postdocs

Ongoing PhD (3):

Lirong (Esme) Yi – Optimizing Performance using LLMs (Supervisor)

Ranim Khojah – LLMs in Software Engineering (Co-Supervisor)

Linda Erlenhov – Bots in Software Development (Supervisor)

Completed PhD (7):

Huaifeng Zhang – Debloating ML Systems (Co-Supervisor, Chalmers)

Hazem Samoa – ML for Performance Prediction (Chalmers)

Hamdy Michael Ayas – Architectural Decision Making in Cloud Computing (Chalmers)

Joel Scheuner – Cloud Benchmarking (Chalmers)

Christoph Laaber – Microbenchmarking in CI Builds (Co-Supervised with H.C. Gall, UZH)

Gerald Schermann – Continuous Experimentation (Co-Supervised with H.C. Gall, UZH)

Jürgen Cito – Cloud Performance Engineering (Co-Supervised with H.C. Gall, UZH)

Supervised 40+ master's theses at Chalmers/GU, University of Zurich, and TU Vienna.

Expert Assignments

Selected Editorial & Chairing Roles:

2022–	Associate Editor, Springer <i>Empirical Software Engineering</i> (EMSE)
2020–24	Academic Editor, PeerJ Computer Science
2017–19	Editorial Board Member, Elsevier <i>Journal of Systems and Software</i> (JSS)
	Special Issue Editor: IEEE Cloud Computing; Software: Practice and Experience (SPE)
2022	Program Co-Chair, 13th ACM/SPEC International Conference on Performance Engineering (ICPE)
2022	Chair, SPEC Kaivalya Dixit Distinguished Dissertation Award selection committee
2018–	Steering Committee member, International Workshop on Quality-Aware DevOps (QUDOS)
2016	Co-organizer, Dagstuhl GI Seminar on <i>Software Performance Engineering in the DevOps World</i>
2012	General Chair, 1st International Workshop on Monitoring and Prediction of Cloud Services (MoPoC)
	Grant reviewer for: Research Council of Finland, NWO (Netherlands), NSERC (Canada), DAAD (Germany), FNR (Luxembourg), NRD (Hungary), WASP
	PhD committee appointments (9), including faculty opponent (Umeå), external examiner (Imperial College London), assessor (Università dell'Aquila), and grading committee member at KTH, Umeå, Chalmers, and Lund University

Selected Program Committees:

2024	ICSE, FSE, Alware
2023	ICSE, ASE, SoCC, MSR, SANER
2022	FSE, ICSME, MSR, ICPE
2021	ASE, SANER, ICSME, ICPE

2020	ICSE, SoCC, MSR, SANER, ICSME, ICPE
2019	FSE, ICSME, ICPE
2018	ICSE, ICSME, ICPE

Invited Talks

Keynotes:

2025	ICEIS and CLOSER: <i>A Brief Journey Through History – From Distributed Objects over SOA to Microservices</i>
------	---

Selected invited talks:

2024	Department Colloquium, University of Zurich
2022	WASP4All Webinar: <i>Bots in Software Engineering</i>
2020	MongoDB Inc. Performance Seminar
2015	Two talks at IIT Delhi and IIT Ropar, by invitation of the Swiss Embassy in India

Other Relevant Distinctions and Merits

<i>Publications</i>	~140 peer-reviewed publications; h-index 49 (Google Scholar)
2025–29	VR Project Grant, Swedish Research Council, sole applicant, 4.1 MSEK
2025–30	WASP Academic PhD Student Grant, 3.6 MSEK
2022–26	WASP Academic PhD Student Grant, 3.6 MSEK
2021	AoA SEED Grant, Debloating AI Systems, co-applicant, 296 kSEK
2019–22	VR Starting Grant, Swedish Research Council, sole applicant, 3.6 MSEK
2019–21	VINNOVA FFI TrafCloud, co-applicant, 3.2 MSEK (my part)
2017–21	WASP Academic PhD Student Grant, 3.6 MSEK
2017–21	Chalmers AoA Hiring Startup Package, sole recipient, 8 MSEK
2016–19	SNF Individual Project “MINCA”, sole applicant, 180 kCHF
2016–19	Hasler Foundation “DevCloud”, co-applicant, 50 kCHF
2023	Distinguished Reviewer Award, ICSE
2022	Best Reviewer Award, SANER
2020	Distinguished Reviewer Awards, ICSME and MSR
2019, 2020	Outstanding Reviewer Awards, ICPE
2016	Best Student Paper Award, Middleware; Best Short Paper Award, ICPC
<i>Habilitation</i>	Ivona Brandic (2013) and Karl Michael Göschka (2012) at TU
<i>Committees</i>	Vienna

Intellectual Property Rights

Not applicable.

February 18, 2026