

Curriculum vitae – Sebastian Strauß (PhD)

Email: sebastian.strauss@ruhr-uni-bochum.de

ResearchGate: [Sebastian Strauss](#)

Bluesky: <https://bsky.app/profile/sebastianstrauss.bsky.social>

 <https://orcid.org/0000-0002-0647-1132>

Academic Positions & Working Experience

Since 04/2026	Postdoctoral Researcher at the Center of Advanced Internet Studies (CAIS), “Educational Technologies and Artificial Intelligence” research programme, Prof. Dr. Nikol Rummel <i>Bochum, Germany</i>
Since 04/2026	Postdoctoral Researcher at the Educational Psychology and Technology Research Group, Prof. Dr. Nikol Rummel <i>Ruhr University Bochum, Germany</i>
03/2025 – 03/2026	Interim Professor for Educational Psychology and Technology Research Group, Prof. Dr. Sanna Järvelä <i>Ruhr University Bochum, Germany</i>
09/2023	Visiting researcher at the Learning and Educational Technology (LET) lab <i>Oulu, Finland</i>
Since 10/2022	Associated Research-Scientist at the Center for Advanced Internet Studies (CAIS) <i>Bochum, Germany</i>
07/2021 – 02/2025	Postdoctoral Researcher at the Educational Psychology and Technology Research Group, Prof. Dr. Nikol Rummel <i>Ruhr University Bochum, Germany</i>
11/2016 – 07/2021	Research Assistant and Ph.D. student at the Educational Psychology Research Group, Prof. Dr. Nikol Rummel <i>Ruhr University Bochum, Germany</i>
05/2016 – 11/2016	Research Assistant at the Continuing Vocational Training and Adult Education Research Group, Prof. Dr. Jürgen Wittpoth <i>Ruhr University Bochum, Germany</i>
03/2015 – 07/2015	Research Internship at the Continuing Vocational Training and Adult Education Research Group, Prof. Dr. Jürgen Wittpoth <i>Ruhr University Bochum, Germany</i>
04/2013 – 04/2016	Student Research Assistant at the Educational Psychology Research Group, <i>Ruhr University Bochum, Germany</i>

Academic Degrees & Formal Education

07/2021	Doctorate (Dr. phil.) (summa cum laude) Dissertation: “ <i>Unfavorable interaction patterns during online collaboration: Does a combination of a social group awareness tool and explicit guidance help overcome unequal participation?</i> ” Advisors: Prof. Dr. Nikol Rummel & Prof. Dr. Julian Roelle Institute of Educational Research Ruhr University Bochum, Germany
04/2014 – 04/2016	Master of Arts in Educational Research Thesis: “ <i>Wie nutzen Studierende die Lernressourcen in einem Online-seminar? Eine Logfile basierte Exploration des Lernverhaltens</i> ” [How do students utilize learning materials in an online course? A logfile-based exploration of learning behavior] (Grade: 1.0, best possible grade) Advisors: Prof. Dr. Nikol Rummel & Prof. Dr. Malte Elson Institute of Educational Research Ruhr University Bochum, Germany
04/2011 – 04/2014	Bachelor of Arts in Educational Research and Social Science Thesis „ <i>Einsatz von backwards fading in ausgearbeiteten Lösungsbeispielen zur Verbesserung von absoluten Judgements-of-Learning</i> “ [Using backwards fading in worked-examples to improve absolute judgements of learning] (Grade: 1.0, best possible grade) Advisors: Prof. Dr. Nikol Rummel & Dr. Astrid Wichmann Institute of Educational Research Ruhr University Bochum, Germany
08/2000 – 07/2009	Abitur Friedrich Schiller-Gymnasium [grammar school with A-levels] Preetz, Germany

Roles in research projects

since 10/2025	“How Modes of Social Regulation Emerge and Impact Learning from Collaboration (MoRe)” (DFG: 555918338)	Principle investigator (PI)
Since 10/2024	RC Trust incubator project: Investigating the impact of AI-generated, adaptive	Co-Principle investigator (Co-PI)

	prompts on students' understanding and learning of programming	
11/2021– 10/2024	Interact! New forms of social interaction with intelligent systems (MKW, FK: 214 - 5.01.03.02 – 151754)	Research scientist (Post-doc)
04/2021– 12/2024	Learning Progression Analytics – Analyzing Learning for Individualized Competence development in mathematics and science Education (ALICE) LPA-ALICE (Leibniz: K365/2020-ALICE)	Research scientist (Post-doc)
01/2020– 10/2023	Learning Progression Analytics – Analyzing and Promoting Learning Progression to Support Competence Development [Learning Progression Analytics – Analyse und Förderung von Lernverläufen zur Entwicklung von Kompetenzen, AFLEK] LPA-AFLEK (BMBF, FK: 01JD2008C)	Research scientist (Post-doc)
11/2019– 10/2022	Learning How to Collaborate Using Digital 3D-Representations of Complex Information for Civil-Engineering Students. [Kooperieren Lernen im Bauingenieursstudium anhand digitaler 3D-Repräsentation von komplexen Informationen, KoLiB] (BMBF, FK: 16DHB3027)	Research scientist (Post-doc)
03/2017– 02/2020	Problem-Based Learning with Structured Collaborative Learning in the Context of a Machine-Learning Course. [Problembasiertes Lernen mit strukturierter Gruppenarbeit im Kurs Maschinelles Lernen] (MKW, FK: 214 – 5.01.03.02 (143062))	Research scientist
03/2017– 04/2020	Intelligent Support for Online-Based Small Group Collaboration in Higher Education [Intelligente Unterstützung für Kleingruppenarbeit in der online-gestützten Hochschullehre, IKARion] (BMBF, FK: 16DHL1012)	Research scientist
06/2016– 03/2017	Brave new world: Security for Humans in Cyberspace (SecHuman)	Research scientist

Scholarships & Secondments

09/2023	Secondment of the network “Self-Regulation for Learning in Digitized Schools (SeReLiDiS) (2,300€)
07/2019	Doctoral Consortium of the International Conference for Computer-Supported Collaborative Learning (Lyon, France) (1,200€)

Academic Services & Contributions to the Scientific Community

Member in Search Committees	2023 – 2024: Member of a search committee for the W2 professorship “Digitale Sozialwissenschaft” <i>Center for Advanced Internet Studies (CAIS), Bochum, Germany</i> 2015 – 2016: Student member of the search committee for the W3 professorship “Competence Development and Competence Modeling” <i>Ruhr University Bochum, Germany</i>
Academic Self-Administration	10/2023 – 02/2025: Representative for the scientific personnel of the Institute for Educational Research on the Faculty Board [Vertretung des Wissenschaftlichen Mittelbaus im Fakultätsrat der Fakultät für Philosophie und Erziehungswissenschaft] <i>Ruhr University Bochum, Germany</i> 03/2023 – 02/2025: Representative for post-doctoral researchers in the Center for Educational Sciences (CoES) [Post-Doc Vertretung] <i>Ruhr University Bochum, German</i> 2021 – 02/2025: Member of the teaching evaluation committee Faculty for Philosophy and Educational Sciences <i>Ruhr University Bochum, Germany</i> 04/2014 – 04/2016: Member of the students’ council for the students of educational research [Fachschaftsrat Erziehungswissenschaft] <i>Ruhr University Bochum, Germany</i>
Reviewer for Scientific Journals	– British Journal of Educational Technology (BJET) – Computers & Education – Educational Psychology Review – Educational Technology in Higher Education (ETHE) – Information and Learning Science – International Journal of Computer-Supported Collaborative Learning (ijCSCL) – International Journal of Computers for Mathematical Learning.

	– International Journal of Human-Computer Studies – International Journal of the Learning Sciences (JLS) – Technology, Knowledge and Learning (TKNL) – Journal of Research in Science Teaching
Reviewer and Meta-Reviewer for Scien- tific Conferences	– Conferences of the International Society of the Learning Sciences (CSCL, ISLS, ISLS Annual Meeting) – Conferences of the European Association for Research on Learning and Instruction (EARLI) (EARLI, JURE, EARLI SIG 6/7)

Memberships in Professional Organizations

Since 2023	European Association for Research on Learning and Instruction (EARLI) Special interest group Technology-Enhanced Learning and Instruction (SIG 07)
Since 2021	Society for Learning Analytics Research (SoLAR)
Since 2018	International Society of the Learning Sciences (ISLS)