E-mail : biancatrink@gmail.com   *Phone :* +1 (520) 470-5822   website: http://biancatrink.github.io

Short Bio

My primary focus lies at the confluence of Software Engineering (SE), Human-Computer Interaction (HCI), and Computer Supported Cooperative Work (CSCW). Under the guidance of Prof. Dr. Igor Steinmacher during my Ph.D., I delved into the realm of Women's Participation in Open Source Software projects, and my dissertation was just awarded as the 2024 Outstanding Doctoral Dissertation Award by ACM SIGSOFT.. My investigation revolved around understanding the factors influencing women's decisions to join, persist, or disengage from such projects, including different career aspirations, motivations, challenges, and sense of belonging.

My current research interests encompass various subjects, including Empirical Software Engineering, Diversity, Equity, Inclusion & Belonging, Open Source Software, DevOps, Teams Sustainability, Developer Productivity, Developer Experience, and Computer-Supported Cooperative Work.

With a prolific track record, I have authored over 30 papers in premier venues. My recent awards include the Distinguished Paper Award at ICSE Research Track 2023, the Best Paper Award at ICSE SEIS 2022, and an Honored Mention Award at CSCW 2020. I have served the SE community as organization co-chair and program committee for prestigious conferences, including ICSE, MSR, SANER, ESEM, CSCW, ASE, EASE, and SBES, as well as esteemed journals like TSE, JSS, TOSEM, and EMSE. This reviewer role was acknowledged with the esteemed Distinguished Reviewer Award by MSR in 2023.

Before starting my Ph.D. journey, I accumulated substantial industry experience as a Senior Technical IT Project Manager from 2000 to 2019. Simultaneously, I contributed as a Research Scientist at Globant during my doctoral pursuit. My skill set encompasses proficiency in mixed-methods research, including quantitative and qualitative techniques and the practical application of data science and machine learning. I adeptly select methodologies and approaches tailored to the unique challenges and datasets.

Awards

Award Name	Year	Institution
Outstanding Doctoral Dissertation Award	2024	ACM SIGSOFT (to be received at the International Conference on Software Engineering - ICSE)
Distinguished Reviewer Award	2023	MSR
Distinguished Paper Award	2023	International Conference on Software Engineering (ICSE) - Research Track
Best Paper Award	2022	International Conference on Software Engineering (ICSE) - Software Engineering in Society
Outstanding Graduate Student Award	2021	Northern Arizona University
Graduate Student Government Poster Symposium Conference	2021	Northern Arizona University
Student Research Competition (Finalist)	2021	ICSE Student Research Competition
Research and Creative Activity (RCA) Award (Nominated)	2021	Northern Arizona University
Honored Mention Paper Award	2020	Computer Supported Cooperative Work (CSCW)
Best Paper Award	2020	International Symposium on Open Collaboration
Best Paper Award	2018	Software Quality Brazilian Conference (SBQS)

Best Master Thesis (Finalist)	2017	Software Quality Brazilian Conference
Best Paper (Indicated)	2015	International Conference on Product-Focused Software Process Improvement (PROFES)
Best Paper Award	2014	Workshop for software and services Quality improvement (WAMPS)

Links to webpages

Google Scholar:	https://scholar.google.com.br/citations?hl=en&user=3nF0RuMAAAAJ
ResearcherId:	https://publons.com/researcher/4037669/bianca-trinkenreich/
DBLP:	https://dblp.org/pid/166/2138

Education

Title	Year	Institution
Ph.D. in Computer Science	2022	Northern Arizona University, USA
M.Sc. in Computer Science	2016	Federal University of the State of Rio de Janeiro (UNIRIO), Brazil
M.B.A. in Computer Science	2012	Federal University of Rio de Janeiro (UFRJ), Brazil

Professional Experience

Institution	Period	Position
Oregon State University, USA School of Electrical Engineering and Computer Science	2023 - current	Postdoctoral Scholar
Globant, USA Digital Performance Studio	2022 – 2023	Research Scientist 2
Northern Arizona University (NAU), USA School of Informatics, Computing and Cyber Systems	2019 – 2022	Graduate Research Assistant
Vale S/A, Brazil IT Services	2011 – 2019	Senior IT Project Manager
Rede D'Or Health Care, Brazil Project Management Office	2010-2011	Senior IT Project Manager
Cyberlynxx S/A Project Management Office	2005-2010 2000-2005	Senior IT Project Manager Senior System Admin

Invited Talks

Event	Year	Talk
Open Source Summit Europe	2023	Belonging in Open Source through the Sense of Virtual Community
The Linux Foundation Member Summit	2022	Pots of Gold at the End of the Rainbow: What Is Success for Open Source Contributors?
DevOpsDays Washington DC	2022	Burnout Risk as Both an Outcome and a Mediator
Open Source Summit North America	2022	Women's Participation in Open Source
Federal University of Mato Grosso do Sul	2022	Panel of Diversity & Inclusion (Empathy and Resilience) Professional Development Week for Computing
Open Forum Europe	2021	A diverse set of OSS contributors and their different pots of gold

Linux Plumbers Conference		2021	Understanding motivations, goals and challenges faced by the Linux Kernel contributors
		2021	Panel of Diversity, Equity & Inclusion micro-conference.
Pontifical Catholic University of Rio Grande do Sul (PUC-RS)		2023	Guest Lecturer
Northern Arizona University		2022-23	
Federal University of Technology Parana		2022-23	

Volunteering

Service Type	Year	Institution
Steering Committee Member	2023	The Linux Foundation Software Developers Diversity and Inclusion
Organizing Committee	2025 2024	ICSE 2025 - Equity, Diversity, and Inclusion Co-Chair MSR 2024 - Publicity and Social Media Co-Chair
Program Committee	2021-2025	ICSE 2025 - Research track EASE 2024 - Research track ICPC - RENE Track SANER 2024 - Research track MSR 2023 and 2024 - Research track ESEM 2022 and 2023 Registered Reports track ICSE 2023 - Demo track SBES 2023 - Insightful Ideas and Emerging Results Track ASE 2022 - Late Breaking Results track EASE 2022 - Vision and Emerging Results track

Peer Reviewed Publications

★ – indicates well-ranked/high-visibility venues in my area

● Book Chapter

★ **TRINKENREICH, B.**, GEROSA, M., SARMA, A., STEINMACHER, I. (2023). Breaking the Glass Floor for Women in Tech 2023. **Equity, Diversity, and Inclusion in Software Engineering: Best Practices and Insights book**

● Magazine Papers

★ **TRINKENREICH, B.**, GEROSA, M., STEINMACHER, I. (2022). Women in Open Source: We Need to Talk About It. *IEEE Computer*, 55(12), 145-149.

● Journal Papers

★ 2023 GEROSA, M., **TRINKENREICH, B.,** STEINMACHER, I., SARMA, A. - "Can AI Serve as a Substitute for Human Subjects in Software Engineering Research?" *Automated Software Engineering Journal*, accepted on Dez 2023

★ 2023 SANTOS, F., VARGOVICH, J., **TRINKENREICH, B.**, SANTOS, I., PENNEY, J., BRITTO, R., ... GEROSA, M., "Tag that issue: Applying API-domain labels in issue tracking systems" *Empirical Software Engineering EMSE*

★ 2022 **TRINKENREICH, B**., WIESE, T., GEROSA, M., SARMA, A., STEINMACHER, I., Women's Participation in Open Source Software *ACM Transactions of Software Engineering and Methodology (TOSEM)*

★ 2021 **TRINKENREICH, B.**, GUIZANI, G., WIESE, I., CONTE, T., GEROSA, M., SARMA, A., STEINMACHER, I., "Pots of Gold at the End of the Rainbow: What is Success for Open Source Contributors?" *IEEE Transactions of Software Engineering (TSE)*

★ 2021 STEINMACHER, I., BALALI, S., TRINKENREICH, B., GUIZANI, M., IZQUIERDO-CORTAZAR, D., ZAMBRANO, G., GEROSA, M., SARMA, A., "Being a mentor in Open Source projects", *Journal of Internet Services and Applications*

★ 2018 **TRINKENREICH, B.**, SANTOS, G., BARCELLOS, 2018, "SINIS: A GQM+Strategies-based Approach for Identifying Goals, Strategies and Indicators for IT Services''. *Information and Software Technology*, v. 100, p. 147-164.

* 2015 **TRINKENREICH, B.**, SANTOS, G., "Evaluation of measurement process on a Global Organization under the light of MR-MPS-SV maturity model ", *iSys Brazilian Journal of Information Systems,* vol 8 issue 2: pp. 58-77.

● Conference and Workshop Papers

★ 2024 **TRINKENREICH, B.**, GEROSA, M.., STEINMACHER, I.,, "Unraveling the Drivers of Sense of Belonging in Software Delivery Teams: Insights from a Large-Scale Survey" 46th *ACM/IEEE International Conference on Software Engineering (ICSE) - Research Track*

★ 2023 **TRINKENREICH, B.**, STOL, K., SARMA, A., GERMAN, D., GEROSA, M., STEINMACHER, I. "Do I Belong? Modeling Sense of Virtual Community Among Linux Kernel Contributors''. 45th *ACM/IEEE International Conference on Software Engineering (ICSE) - Research Track* (**Distinguished Paper Award**)

★ 2022 **TRINKENREICH, B.**, STOL, K., STEINMACHER, I., GEROSA, M. SARMA, A., LARA, M., FEATHERS, M., ROSS, N., BISHOP, K. "A Model for Understanding and Reducing Developer Burnout". 45th *ACM/IEEE International Conference on Software Engineering (ICSE) - Software Engineering in Practice (SEIP) Track*

★ 2022 SANTOS, F., **TRINKENREICH, B.**, PIMENTEL, J. F., WIESE, I., STEINMACHER, I., SARMA, A., GEROSA, M. A. "How to choose a task? Mismatches in perspectives of newcomers and existing contributors". *16th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM)*

★ 2022 **TRINKENREICH, B.**, STEIMACHER, I., GEROSA, M., FEATHERS, M., BISHOP, K., LARA, M., ROSS, N., SANCHO, E., SARMA, A., "Organization culture and burnout in software development teams". *16th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM) – Industry Forum*

★ 2022 GUIZANI, M., **TRINKENREICH, B.**, CASTRO-GUZMAN, A. A., STEINMACHER, I., GEROSA, M., & SARMA, A. "Perceptions of the State of D&I and D&I Initiative in the ASF" *IEEE/ACM 44th International Conference on Software Engineering (ICSE) - Software Engineering in Society (SEIS) Track*

★ 2022 **TRINKENREICH, B.**, BRITTO, R., GEROSA, M., STEIMACHER, I., "An Empirical Investigation on the Challenges Faced by Women in the Software Industry". *IEEE/ACM 44th International Conference on Software Engineering (ICSE) - Software Engineering in Society (SEIS) Track* – (**Best Paper Award**)

★ 2021 GUIZANI, M., CHATTERJEE, A., **TRINKENREICH, B**., MAY, M. E., NOA-GUEVARA, G. J., RUSSELL, L. J., ... & SARMA, A.., The Long Road Ahead: Ongoing Challenges in Contributing to Large OSS Organizations and What to Do. *24th Computer Supported Cooperative Work (CSCW)*

★ 2021 **TRINKENREICH, B.**, "Please Don't Go - Increasing Women's Participation in Open Source Software". *Student Competition of the 43rd International Conference on Software Engineering (ICSE)* (**Finalist**)

★ 2021 **TRINKENREICH, B.**, "Please Don't Go - Comprehensive Approach to Increase Women's Participation in Open Source Software". *Doctoral Symposium of the 43rd International Conference on Software Engineering (ICSE)*

★ 2021 GEROSA, M., WIESE, I., **TRINKENREICH, B.**, LINK, G., ROBLES, G., TREUDE, C., STEINMACHER, I., SARMA, A., "The Shifting Sands of Motivation: Revisiting What Drives Contributors in Open Source". *43rd International Conference on Software Engineering (ICSE) Research Track*

★ 2021 SANTOS, F., WIESE, I., **TRINKENREICH, B.**, STEINMACHER, I., SARMA, A., GEROSA, M., "Can I Solve It? Identifying APIs Required to Complete OSS Tasks". *Mining Software Repositories (MSR) Research Track*

★ 2020 **TRINKENREICH, B.**, GUIZANI, M., WIESE, I., SARMA, A., STEINMACHER, I., "Hidden Figures: Roles and Pathways of Successful OSS Contributors". 23rd *Computer Supported Cooperative Work (CSCW)* – (**Honored Mention Paper Award**)

★ 2020 BALALI, S., ANNAMALAI, U., PADALA, S., **TRINKENREICH, B.**, GEROSA, M., STEINMACHER, I., SARMA, A., "Recommending Tasks to Newcomers in OSS Projects: How Do Mentors Handle It?". *16th International Symposium on Open Collaboration.* (**Best Paper Award**)

* 2019 **TRINKENREICH, B.**, SANTOS, G., BARCELLOS, M., CONTE, T., "Combining GQM+Strategies and OKR - Preliminary Results from a Participative Case Study in Industry". *20th International Conference on Product-Focused Software Process Improvement (PROFES)*

* 2018 FERREIRA, E., **TRINKENREICH, B.**, SANTOS, G., BARCELLOS, M., "Using SINIS and GQM+Strategies to Align Organizational Goals and Service Level Agreement Indicators". *17th Software Quality Brazilian Conference (SBQS)*, Curitiba, Brazil (**Best Paper Award**)

★ 2018 **TRINKENREICH, B.**, SANTOS, G., BARCELLOS, M., CONTE, T., "Defining, Measuring and Monitoring IT Service Goals and Strategies Practical Results and Pitfalls from a Qualitative Study in Industry". *12th Empirical Software Engineering and Measurement (ESEM)*

★ 2017 **TRINKENREICH, B.**, SANTOS, G., BARCELLOS, M., CONTE, T., 2017, "Eliciting Strategies for the GQM+Strategies Approach in IT Service Measurement Initiatives". *11th Empirical Software Engineering and Measurement (ESEM)*

* 2017 **TRINKENREICH, B.**, SANTOS, G., BARCELLOS, M., "SINIS – A method to support defining goals, strategies and indicators for IT Services CTDQS - Competition of Best Thesis and Dissertations about Software Quality – *16th Software Quality Brazilian Conference (SBQS)* (**Finalist**)

* 2015 **TRINKENREICH, B.**, SANTOS, G., BARCELLOS, M., "SINIS - A Method to Select Indicators for IT Services", *16 th International Conference on Product-Focused Software Process Improvement (PROFES)*, Bolzano, Italy, pp. 68-86 (**Indicated for Best Paper Award**)

* 2015 **TRINKENREICH, B.**, SANTOS, G., "Evaluation of incident management process under the light of MR-MPS-SV maturity model and measurement to support IT Service quality improvement", *14th Software Quality Brazilian Conference (SBQS)*)

* 2015 **TRINKENREICH, B.**, SANTOS, G., CONFORT, V., SANTORO, F., "Toward using Business Process Intelligence to Support Incident Management Measures Selection and Service Improvement". *27th International Conference Software Engineering Knowledge Engineering (SEKE)*

* 2015 TRINKENREICH, B., SANTOS, G., BARCELLOS, M., "Measures to Support IT Service Maturity Models – A Systematic Mapping Study", *17th International Conference on Enterprise Information Systems (ICEIS)*

* 2015 TRINKENREICH, B., SANTOS, G., "Measures to Support IT Service Maturity Models – A Case Study", *17th International Conference on Enterprise Information Systems (ICEIS)*

* 2014 TRINKENREICH, B., SANTOS, G., "Evaluation of measurement process for incidents, continuity and availability management under the light of MR-MPS-SV maturity model", *10th Annual workshop for software and services Quality improvement* **(Best Paper Award)**