CV – Igor Steinmacher, PhD	February 2025

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Shortbio

I completed a PhD in Computer Science at the Institute of Mathematics and Statistics at the University of São Paulo in February 2015. Currently, I am an Assistant Professor at the School of Informatics, Computing and Cyber Systems at Northern Arizona University. Previously, I was an Assistant Professor at the Federal University of Technology, Brazil, and a Visiting Scholar at the University of California, Irvine.

My research is on the intersection of Software Engineering (SE), HCI, and Computer Supported Cooperative Work (CSCW). Currently, my main focus is on supporting newcomers to Open Source Software development, and how to leverage Open Source as an opportunity to learn new skills. My interests revolve around Human Aspects of Software Engineering, Empirical Software Engineering, Data Analysis, and Mining Software Repositories. I have experience in both quantitative and qualitative research, applying the methods and approaches that are most suitable for the problem and research.

Education

Title	Year	Institution
Ph.D. in Computer Science	2015	University of São Paulo (USP), Brazil
M.Sc. in Computer Sciences	2005	Federal University of Rio Grande do Sul (UFRGS), Brazil
Bachelor in Computer Science	2003	State University of Maringá (UEM), Brazil

Professional experience

Institution	Period	Position
Northern Arizona University (NAU), USA School of Informatics, Computing and Cyber Systems	2018 – current* 2017 – 2018	Assistant Professor Post-doctoral Scholar
Federal University of Technology – Paraná (UTFPR), Brazil Department of Computing	2009 – 2021**	Faculty Member
University of California, Irvine (UCI), USA Department of Informatics	2013-2014	Visiting Scholar
HSBC Global Technology	2006-2009	Project Manager
Faculdades Santa Cruz	2006-2009	Lecturer
CELEPAR – Data Processing Company of Paraná	2005-2006	Software Developer

* On leave of absence from Jan 2021 to Jul 2022

** On leave of absence from Jan 2017 to Dec 2020

Highlights

Leadership in the Software Engineering Community

- Program Chair of the 18th IFIP Conference on Open Source Systems (OSS 2022); International Conference on Software and Systems Process (ICSSP 2022); 2021 ICSE Student Contest on Software Engineering (SCORE 2021); ACM/IEEE International Conference on Global Software Engineering 2020 (ICGSE 2020).

- Guest-editor of the Special issue on "20 Years of Open Source—Impact on Software Engineering Practice" of IEEE Software and the Thematic Series on Free and Open Source Software Development, SpringerOpen Journal of Internet Services and Applications (JISA)
- General Co-chair of conferences such as the 2024 International Conference on Program Comprehension (ICPC 2024), the 2024 IEEE International Conference on Software Maintenance and Evolution (ICSME 2024), and the 16th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE 2023), contributing to the global Software Engineering community.
- Program Committee (PC) member of many international conferences and workshops (e.g., ICSE, MSR, ICGSE, ICSME, EASE, OSS, CHASE, ICSE-NIER, CSCW), awarded as Distinguished Reviewer on ICSE 2023.

Impactful Research Contributions

- Authored award-winning research recognized at major conferences, including ICSE, FSE, ICSME, and OpenSym, making significant advancements in Software Engineering practices.
- Received Best Paper/Distinguished Paper Awards on well-recognized conferences: ESEM 2024, Conversations 2023, ICSE 2021, ICSE 2023, ICSE-SEIS 2022, ICSE-SEET 2019, ICSME 2020, OpenSym 2020, SBES 2018.
- Secured over $2.5 million in NSF grants, leading projects that advance Software Engineering education and OSS communities.
- Pioneered research on supporting newcomers in OSS and leveraging AI for software engineering, with extensive citations and practical influence.
- Citation index H40 according to Google Scholar, with more than 5,000 citations.

Educational Contributions and Mentoring

- Supervised 20+ undergraduate research projects, 6 M.Sc., and 9 Ph.D. students, with mentees achieving prestigious awards like the ACM SIGSOFT Outstanding Dissertation.
- Innovated software engineering curricula incorporating real-world OSS projects, preparing students with hands-on experience and industry readiness.
- Designed and implemented gamified educational tools to engage students in OSS contribution processes, receiving recognition at international venues.

Grants Awarded

- **(NSF IUSE:EHR) Scaffolding Computational Thinking in Introductory Computer Science through a Conversational Agent** Principal Investigator: **Igor Steinmacher**; Co-Principal Investigator: Marco Gerosa, Pradeep Dass. Start Date:01/01/2023; Award Amount: $405,000.00
- **(NSF POSE) Phase II: Expanding the data.table ecosystem for efficient big data manipulation in R.** Principal Investigator: **Igor Steinmacher** (previously Toby Hocking). Co-Principal Investigator**:** Marco Gerosa. Start Date:09/15/2023; Award Amount: $731,881.00
- **(NSF RETTL) Collaborative Research: Learning Software Engineering by Contributing to Real Projects With Chatbot Assistance.**Principal Investigator: Marco Gerosa. Co-Principal Investigator**:** **Igor Steinmacher**, Pradeep Dass. Start Date:06/01/2023; Award Amount: $561,999.00.
- **(NSF HSI): A Learning Environment for an Open-Source Contribution Model.** Principal Investigator: **Igor Steinmacher.** Co-Principal Investigator: Marco Gerosa. Start Date:07/01/2023; Award Amount: $498,616.00.
- **(NSF CHS: Large) Collaborative Research: Gender-Inclusive Open Source through Gender-Inclusive Tools.** Principal Investigator: **Igor Steinmacher**; Co-Principal Investigator: Marco Gerosa. Start Date:08/01/2019; Award Amount: $528,864.00.
- **(FAPESP/MCTI CGI-BR – Brazil) Fostering Open Source Software communities on the Internet by supporting newcomer software developers.** Principal Investigator: **Igor Steinmacher**. Co-Principal Investigator: Igor Wiese, Ivanilton Polato. Start Date: 01/10/2017; Award Amount: ~BRL 230,000.00

Awards and Honors

- Best Research Paper Award – International Symposium on Empirical Software Engineering and Measurement (ESEM 2024)
- ACM SIGSOFT Distinguished Dissertation Award 2024 (Awarded to Bianca Trinkenreich, my mentee)
- Best Paper Award – International Workshop on Chatbot Research (CONVERSATIONS 2023)
- ACM SIGSOFT Distinguished Paper Award – ACM/IEEE International Conference on Software Engineering (ICSE 2023)

- Distinguished Reviewer Award - ACM/IEEE International Conference on Software Engineering (ICSE 2023)
- Best Paper Award - ACM/IEEE International Conference on Software Engineering-Software Engineering in Society Track (ICSE-SEIS 2021)
- ACM SIGSOFT Distinguished Paper Award - ACM/IEEE International Conference on Software Engineering (ICSE 2021)
- Best Paper Award – International Symposium on Open Collaboration (OpenSym 2020)
- IEEE TCSE Distinguished Paper Award - IEEE International Conference on Software Maintenance and Evolution (ICSME 2020)
- ACM SIGSOFT Distinguished Paper Award - ACM/IEEE International Conference on Software Engineering – Software Engineering Education and Training Track (ICSE-SEET 2021)
- Honorable Mention Paper Award – ACM Computer Supported Cooperative Work and Social Computing (CSCW 2020)
- Best Paper Award – Brazilian Symposium on Software Engineering (SBES 2018)

Publications (since 2010)

Journal Papers (PhD/MSc mentees under my supervision or co-supervision are underlined)

2025	SANTOS, Ítalo; FELIZARDO, Kátia Romero; **STEINMACHER, Igor;** GEROSA, Marco Aurélio. Software solutions for newcomers' onboarding in software projects: A systematic literature review. Inf. Softw. Technol. 177: 107568 (2025)
2025	LIMA, Márcia; **STEINMACHER, Igor**; FORD, Denae; VORREUTER, Grace; GONÇALVES, Ludimila; CONTE, Tayana; GADELHA, Bruno. How are discussions linked? A link analysis study on GitHub Discussions. J. Syst. Softw. 219: 112196 (2025)
2024	FENG, Zixuan; KIMURA, Katie; TRINKENREICH, Bianca; SARMA, Anita; **STEINMACHER, Igor**. Guiding the Way: A Systematic Literature Review on Mentoring Practices in Open Source Software Projects. Information and Software Technology. 2024. [To appear]
2024	ROBILLARD, Martin P; ARYA, Deeksha; ERNST; Neil; GUO, Jin LC; LAMOTHE, Maxime; NASSIF, Mathieu; NOVIELLI, Nicole; SEREBRENIK, Alexander; **STEINMACHER, Igor**; STOL, Klaas-Jan. Communicating Study Design Trade-offs in Software Engineering. ACM Transactions on Software Engineering and Methodology. 2024
2024	GEROSA, Marco Aurélio; TRINKENREICH, Bianca; **STEINMACHER, Igor**; SARMA, Anita. Can AI serve as a substitute for human subjects in software engineering research? Autom. Softw. Eng. 31(1): 13 (2024)
2024	TRINKENREICH, Bianca, GEROSA, Marco Aurélio, SARMA, Anita, **STEINMACHER, Igor**. "Guidelines for Cultivating a Sense of Belonging to Reduce Developer Burnout" IEEE Software, 2024.
2023	LIMA, Márcia; **STEINMACHER, Igor**; FORD, Denae; LIU, Evangeline; VORREUTER, Grace; CONTE, Tayana; GADELHA, Bruno. Looking for related posts on GitHub discussions. PeerJ Comput. Sci. 9: e1567 (2023)
2023	TRINKENREICH, Bianca; GEROSA, Marco Aurélio**; STEINMACHER, Igor.** Women in Open Source: We Need to Talk About It. Computer 55(12): 145-149 (2023)
2023	WESSEL, Mairieli; ZAIDMAN,Andy; GEROSA, Marco Aurélio; **STEINMACHER, Igor**. Guidelines for Developing Bots for GitHub. IEEE Softw. 40(3): 72-79 (2023)
2023	SANTOS, Fabio; VARGOVICH, Joseph; TRINKENREICH, Bianca; SANTOS, Ítalo; PENNEY, Jacob; BRITTO, Ricardo; PIMENTEL, João Felipe; WIESE, Igor; **STEINMACHER, Igor**; SARMA, Anita; GEROSA, Marco Aurélio. Tag that issue: applying API-domain labels in issue tracking systems. Empir. Softw. Eng. 28(5): 116 (2023)
2023	MATSUBARA, Patricia; **STEINMACHER, Igor**; GADELHA, Bruno; CONTE, Tayana. Much more than a prediction: Expert-based software effort estimation as a behavioral act. Empir. Softw. Eng. 28(4): 98 (2023)
2022	WESSEL, Mairieli; SEREBRENIK, Alexander; WIESE, Igor; **STEINMACHER, Igor**; GEROSA, Marco Aurélio. Quality gatekeepers: investigating the effects of code review bots on pull request activities. Empir. Softw. Eng. 27(5): 108 (2022)

2022	TRINKENREICH, Bianca; WIESE, Igor Scaliante; SARMA, Anita; GEROSA, Marco Aurelio; **STEINMACHER, Igor**. Women's Participation in Open Source Software: A Survey of the Literature. In: ACM Transactions on Software Engineering and Methodology (2022)
2022	MATSUBARA, Patricia; **STEINMACHER, Igor**; GADELHA, Bruno; CONTE, Tayana. SEXTAMT: A systematic map to navigate the wide seas of factors affecting expert judgment software estimates. Journal of Systems and Software 185: 111148 (2022)
2022	CALEFATO, Fabio; GEROSA, Marco A.; IAFFALDANO, Giuseppe; LANUBILE, Filippo; **STEINMACHER, Igor**. Will You Come Back to Contribute? Investigating the Inactivity of OSS Core Developers in GitHub. Empirical Software Engineering (2022r)
2021	TRINKENREICH, Bianca; GUIZANI, Mariam; WIESE, Igor Scaliante; CONTE, Tayana U.; GEROSA, Marco Aurelio; SARMA, Anita; **STEINMACHER, Igor**. Pots of Gold at the End of the Rainbow: What is Success for Open Source Contributors? In: IEEE Transactions on Software Engineering. (2021)
2021	**STEINMACHER, Igor**; BALALI, Sogol; TRINKENREICH, Bianca; GUIZANI, Mariam; IZQUIERDO, Daniel; ZAMBRANO, Griselda Cuevas; GEROSA, Marco Aurelio; SARMA, Anita. Being a Mentor in Open Source Projects. Journal of Internet Services and Applications. (2021)
2020	OLIVEIRA, Edson; FERNANDES, Eduardo; **STEINMACHER, Igor**; CRISTO, Marco; CONTE, Tayana; GARCIA, Alessandro. Code and commit metrics of developer productivity: a study on team leaders' perceptions. Empirical Software Engineering (2020)
2020	PADALA, Susmita H.; MENDEZ, Christopher J.; FRONCHETTI, Luiz F.; **STEINMACHER, Igor**; HANSON, Zoe S.; HILDEBRAND, Claudia; HORVATH, Amber; HILL, Charles; SIMPSON, Logan Dale; BURNETT, Margaret; GEROSA, Marco A.; SARMA, Anita. How Gender-biased Tools Shape Newcomer Experiences in OSS Projects. IEEE Transactions on Software Engineering (2020)
2020	SILVA, Jefferson O.; WIESE, Igor; GERMAN, Daniel M.; TREUDE, Christoph; GEROSA, Marco A.; **STEINMACHER, Igor**. Google Summer of Code: Student Motivations and Contributions. JOURNAL OF SYSTEMS AND SOFTWARE, v. 99, 2019.
2019	SILVA, Williamson; **STEINMACHER, Igor**; CONTE, Tayana. Students' and instructors' perceptions of five different active learning strategies used to teach software modeling. *IEEE Access Journal*, 2019 (Pre-print)
2019	WIESE, Igor Scaliante; KURODA, Rodrigo; **STEINMACHER, Igor**; OLIVA, Gustavo Ansaldi; TREUDE, Christoph; GEROSA, Marco A. Are Pieces of Contextual Information Suitable for Predicting Co-Changes? An Empirical Study. *Software Quality Journal*, 2019
2019	SHOLLER, Dan; **STEINMACHER, Igor**; FORD, Denae; AVERICK, Mara; HOYE, Mike; WILSON, Greg. Ten Simple Rules for Helping Newcomers Become Contributors to Open Projects. *PLOS Computational Biology*, 2019.
2018	FRONCHETTI, Luiz Felipe; **STEINMACHER, Igor**; PINTO, Gustavo, Who Drives Company-Owned OSS Projects: Internals or Externals Members? *Journal of the Brazilian Computer Society*, 2018
2018	BERGAMINI, Anderson; **STEINMACHER, Igor**; WIESE, Igor Scaliante, Characterizing the hyperspecialists in the context of Crowdsourcing Software Development. *Journal of the Brazilian Computer Society*, 2018
2018	**STEINMACHER, Igor**; GEROSA, Marco A; CONTE, Tayana; REDMILES, David F. Overcoming Social Barriers when Contributing to Open Source Software Projects. In: *Computer Supported Cooperative Work*, 2018.
2018	PINTO, Gustavo; **STEINMACHER, Igor**; FRONCHETTI, Luiz Felipe; GEROSA, Marco A. On the Challenges of Open-Sourcing Proprietary Software Projects. In: *Empirical Software Engineering Journal*, 2018.
2018	BALALI, Sogol; **STEINMACHER, Igor**; ANNAMALAI, Umayal; SARMA, Anita; GEROSA, Marco A. Newcomers' Barriers... Is That All? An Analysis of Mentors' and Newcomers' Barriers in OSS Projects. *Computer Supported Cooperative Work,* 2018*.*

2018	**STEINMACHER, Igor**; TREUDE, Christoph; GEROSA, Marco A. Let me in: Guidelines for the Successful Onboarding of Newcomers to Open Source Projects. *IEEE SOFTWARE*, p. 1-1, 2018.
2017	**STEINMACHER, Igor**; ROBLES, Gregorio; FITZGERALD, Brian; WASSERMAN, Anthony. Free and open source software development: the end of the teenage years. *Journal of Internet Services and Applications*, v. 8, p. 17, 2017.
2017	ZANATTA, Alexandre L.; **STEINMACHER, Igor**; MACHADO, Leticia S.; de SOUZA, Cleidson; PRIKLACNICKI, Rafael. Barriers Faced by Newcomers in Software Crowdsourcing Projects, *IEEE Software*, Mar/Apr 2017
2017	WIESE, Igor Scaliante; RÉ, Reginaldo; **STEINMACHER, Igor**; KURODA, Rodrigo T.; OLIVA, Gustavo A.; TREUDE, Christoph; GEROSA, Marco A. Using Contextual Information to Predict Co-changes. **The Journal of Systems and Software**, p. 1-15, 2017.
2015	**STEINMACHER, Igor**; GRACIOTTO SILVA, Marco A.; GEROSA, Marco A.; REDMILES, David F. A systematic literature review on the barriers faced by newcomers to open source software projects. *Information and Software Technology*, v. 59, p. 67-85, 2015.
2014	WIESE, Igor S.; NASSIF JUNIOR, D.; RÉ, Reginaldo; **STEINMACHER, Igor**; GEROSA, Marco A. Comparing communication and development networks for predicting file change proneness: An exploratory study considering process and social metrics. *Electronic Communications of the EASST*, v. 65, p. 1-15, 2014.
2014	**STEINMACHER, Igor**; WIESE, Igor S.; SCHWERZ, André Luís; ROBERTO, Rafael Liberato; FERREIRA, João Eduardo; GEROSA, Marco A. Historical Analysis of Message Contents to Recommend Issues to Open Source Software Contributors. *Revista Eletrônica de Sistemas de Informação*, v. 13, p. 6, 2014.
2013	**STEINMACHER, Igor**; CHAVES, Ana Paula; Gerosa, Marco A. Awareness Support in Distributed Software Development: A Systematic Review and Mapping of the Literature. *Computer Supported Cooperative Work*, v. 22, p. 113-158, 2013.
2011	CHAVES, Ana Paula; **STEINMACHER, Igor**; LEAL, Gislaine Camila; HUZITA, Elisa Hatsue, BIASÃO, Alberto B. OntoDiSENv1: an Ontology to Support Global Software Development. *CLEI Electron.* J. 14(2). 2011

Peer Reviewed Conference and Workshop Papers

2025	TRINKENREICH, Bianca; FENG, Zixuan; CHOUDHURI, Rudrajit; GEROSA, Marco; SARMA, Anita; **STEINMACHER, Igor**. Investigating the Impact of Interpersonal Challenges on Feeling Welcome in OSS. ICSE 2025.
2025	CHOUDHURI, Rudrajit; TRINKENREICH, Bianca; PANDITA, Rahul; KALLIAMVAKOU, Eirini; **STEINMACHER, Igor**; GEROSA, Marco; SANCHEZ, Christopher; SARMA, Anita. What Guides Our Choices? Modeling Developers' Trust and Behavioral Intentions Towards GenAI. ICSE 2025.
2024	FELIZARDO, Kátia Romero; LIMA, Márcia; DEIZEPE, Anderson; CONTE, Tayana Uchôa; **STEINMACHER, Igor**. ChatGPT application in Systematic Literature Reviews in Software Engineering: an evaluation of its accuracy to support the selection activity. ESEM 2024: 25-36. **[Best Paper Award]**
2024	FELIZARDO, Kátia Romero; STEINMACHER, Igor; LIMA, Márcia; DEIZEPE, Anderson; CONTE, Tayana; BARCELLOS,, Monalessa Perini. Data extraction for systematic mapping study using a large language model - a proof-of-concept study in software engineering. ESEM 2024 – Vision Track: 407-413
2024	**STEINMACHER, Igor**; PENNEY, Jacob McAuley; FELIZARDO, Kátia Romero; GARCIA, Alessandro F.; GEROSA, Marco Aurélio. Can ChatGPT emulate humans in software engineering surveys? ESEM 2024 – Vision Track: 414-419
2024	PINTO, Gustavo; DE SOUZA, Cleidson R. B.; DA ROCHA, Thayssa A.; **STEINMACHER, Igor**; DE SOUZA, Alberto; MONTEIRO, Edward. Developer Experiences with a Contextualized AI Coding Assistant: Usability, Expectations, and Outcomes. CAIN 2024: 81-91

2024	COUTINHO, Daniel; CITO, Luisa; LIMA, Maria Vitória; ARANTES, Beatriz; PEREIRA, Juliana Alves; ARRIEL, Johny; GODINHO, João; MARTINS,, Vinicius; LIBÓRIO, Paulo Vítor C. F.; LEITE, Leonardo Pedrosa; GARCIA, Alessandro; ASSUNÇÃO, Wesley K. G.; **STEINMACHER, Igor**; BAFFA, Augusto; FONSECA, Baldoino. "Looks Good To Me ;-)": Assessing Sentiment Analysis Tools for Pull Request Discussions. EASE 2024: 211-221
2024	SANTOS, Ítalo; FELIZARDO, Kátia; GEROSA, Marco Aurélio; **STEINMACHER, Igor**. Game Elements to Engage Students Learning the Open Source Software Contribution Process. VL/HCC 2024: 59-70
2024	CORREIA, João; NICHOLSON, Morgan; COUTINHO, Daniel; BARBOSA, Caio; CASTELUCCIO, Marco; GEROSA, Marco Aurelio; GARCIA, Alessandro; **STEINMACHER, Igor**. "Unveiling the Potential of a Conversational Agent in Developer Support: Insights from Mozilla's PDF.js Project." In 1st ACM International Conference on AI-Powered Software (AIware), 9. Porto de Galinhas, PE, Brazil: ACM, 2024.
2024	TRINKENREICH, Bianca; GEROSA, Marco Aurélio; SARMA, Anita; **STEINMACHER, Igor**. Unraveling the Drivers of Sense of Belonging in Software Delivery Teams: Insights from a Large-Scale Survey. ICSE 2024: 53:1-53:12
2024	GARCIA, Emily Judith; PIMENTEL, João Felipe Nicolaci; FENG, Zixuan; GEROSA, Marco Aurélio; **STEINMACHER, Igor**; SARMA, Anita. How to Support ML End-User Programmers through a Conversational Agent. ICSE 2024: 53:1-53:12
2024	CHOUDHURI, Rudrajit; LIU, Dylan; **STEINMACHER, Igor**; GEROSA, Marco A.; SARMA, Anita. How Far Are We? The Triumphs and Trials of Generative AI in Learning Software Engineering. ICSE 2024
2024	DAVILA, Nicole; WIESE, Igor; **STEINMACHER, Igor;** SILVA, Lucas Lucio; KAWAMOTO, Andre; FAVARO, Gilson Jose Peres; NUNES, Ingrid Nunes. An Industry Case Study on Adoption of AI-based Programming Assistants. ICSE-SEIP 2024: 92-102
2024	COSTA, Saori; PAIXAO, Matheus; STEINMACHER, Igor; SOARES, Pamella; ARAÚJO, Allysson Allex; SOUZA, Jerffeson. Sociotechnical Dynamics in Open Source Smart Contract Repositories: An Exploratory Data Analysis of Curated High Market Value Projects. PROMISE 2024: 22-31
2024	ARACENA, Gabriel; LUSTER, Kyle; SANTOS, Fabio; **STEINMACHER, Igor**; GEROSA, Marco Aurélio. Applying Large Language Models to Issue Classification. NLBSE@ICSE 2024: 57-60 (2024)
2023	PENNEY, Jacob; PIMENTEL, João Felipe; **STEINMACHER, Igor**; GEROSA, Marco A. Anticipating User Needs: Insights from Design Fiction on Conversational Agents for Computational Thinking. In: 7th International Workshop on Chatbot Research (Conversations 2023). **[Best Paper Award]**
2023	TRINKENREICH, Bianca; STOL, Klaas-Jan; SARMA, Anita; GERMAN, Daniel M.; GEROSA, Marco Aurélio; **STEINMACHER. Igor**. Do I Belong? Modeling Sense of Virtual Community Among Linux Kernel Contributors. ICSE 2023: 319-331 **[ACM SIGSOFT Distinguished Paper Award]**
2023	MATSUBARA, Patrícia G. F.; **STEINMACHER, Igor**; GADELHA, Bruno; CONTE, Tayana. Moving on from the Software Engineers' Gambit: An Approach to Support the Defense of Software Effort Estimates. ICSE 2023: 703-715
2023	GUIZANI, Mariam; CASTRO-GUZMAN, Aileen Abril; SARMA, Anita; **STEINMACHER, Igor**. Rules of Engagement: Why and How Companies Participate in OSS. ICSE 2023: 2617-2629
2023	TRINKENREICH, Bianca; STOL, Klaas-Jan; **STEINMACHER, Igor**; GEROSA, Marco Aurélio; SARMA, Anita; LARA, Marcelo Lara; FEATHERS, Michael; ROSS, Nicholas; BISHOP, Kevin. A Model for Understanding and Reducing Developer Burnout. ICSE-SEIP 2023: 48-60
2023	SANTOS, Ítalo; PIMENTEL, João Felipe; WIESE, Igor; **STEINMACHER, Igor**; SARMA, Anita; GEROSA, Marco Aurélio. Designing for Cognitive Diversity: Improving the GitHub Experience for Newcomers. ICSE (SEIS) 2023: 1-12
2023	SALERNO, Larissa Salerno; TONHÃO, Simone de França; **STEINMACHER, Igor**; TREUDE, Christoph. Barriers and Self-Efficacy: A Large-Scale Study on the Impact of OSS Courses on Student Perceptions. ITiCSE (1) 2023: 320-326
2023	VARGOVICH, Joseph; SANTOS, Fabio; PENNEY, Jacob; GEROSA, Marco Aurélio; **STEINMACHER, Igor**. GiveMeLabeledIssues: An Open Source Issue Recommendation System. MSR 2023: 402-406

2023	SANTOS, Fabio; PENNEY, Jacob; PIMENTEL, João Felipe; WIESE, Igor; **STEINMACHER, Igor** ;GEROSA , Marco Aurélio. Tell Me Who Are You Talking to and I Will Tell You What Issues Need Your Skills. MSR 2023: 611-623
2023	LUZ, Carlos Danilo; OLIVEIRA JR., Edson; **STEINMACHER, Igor**. A Conceptual Model to Support Teaching of Software Engineering Controlled (Quasi-)Experiments. SBES 2023: 236-245
2023	TONHÃO, Simone de França; SHIGENAGA, Marcelo; HERCULANI, Julio; MEDEIROS, Andressa; AMARAL Aline; SILVA, Williamson; COLANZI, Thelma Elita; **STEINMACHER, Igor**. Gamification in Software Engineering Education: a Tertiary Study. SBES 2023: 358-367 2022
2022	LUZ, Carlos Danilo; OLIVEIRA JR., Edson; **STEINMACHER, Igor**. How Experimentation in Software Engineering has been taught? Survey and Research Agenda. EASE 2022: 299-304
2022	SANTOS, Fabio; TRINKENREICH, Bianca; PIMENTEL, João Felipe; WIESE, Igor; **STEINMACHER, Igor**; SARMA, Anita; GEROSA, Marco Aurélio. How to Choose a Task? Mismatches in Perspectives of Newcomers and Existing Contributors. ESEM 2022: 114-124
2022	WESSEL, Mairieli; ABDELLATIF, Ahmad ; WIESE, Igor Scaliante ; CONTE, Tayana U. ; SHIHAB, Emad ; GEROSA, Marco Aurelio ; **STEINMACHER, Igor**. Bots for Pull Requests: The Good, the Bad, and the Promising. In: 44th International Conference on Software Engineering (ICSE 2022), 2022. p. 1-13.
2022	GUIZANI, Mariam; TRINKENREICH, Bianca; CASTRO-GUZMAN, Aileen A.; **STEINMACHER, Igor**; GEROSA, Marco; SARMA, Anita. Perceptions of the State of D&I and D&I Initiative in the ASF. 44th International Conference on Software Engineering - Software Engineering in Society Track (ICSE-SEIS 2022)
2022	GUIZANI, Mariam; **STEINMACHER, Igor**; EMARD, Jillian; FALLATAH, Abrar; BURNETT, Margaret; SARMA, Anita. How to Debug Inclusivity Bugs? A Debugging Process with Information Architecture. 44th International Conference on Software Engineering - Software Engineering in Society Track (ICSE-SEIS 2022)
2022	TRINKENREICH, Bianca; BRITTO, Ricardo; GEROSA, Marco; **STEINMACHER, Igor**. An Empirical Investigation on the Challenges Faced by Women in the Software Industry: A Case Study. In: 44th International Conference on Software Engineering - Software Engineering in Society Track (ICSE-SEIS 2022), 2022. **[Best Paper Award]**
2022	MATSUBARA, Patricia; **STEINMACHER, Igor**; GADELHA, Bruno; CONTE, Tayana. The best defense is a good defense: adapting negotiation methods for tackling pressure over software project estimates. In: 44th International Conference on Software Engineering - New Ideas and Emerging Results Track (ICSE-NIER 2022), 2022.
2021	DIAS, Edson; MEIRELLES, Paulo; CASTOR, Fernando; **STEINMACHER, Igor**; WIESE, Igor; PINTO, Gustavo. What Makes a Great Maintainer of Open Source Projects? In: 43rd ACM/IEEE International Conference on Software Engineering. Madrid, Spain. June 2021. **[ACM SIGSOFT Distinguished Paper Award]**
2021	GEROSA, Marco A.; WIESE, Igor; TRINKENREICH, Bianca; LINK, Georg; ROBLES, Gregorio; TREUDE, Christoph; **STEINMACHER, Igor**; SARMA, Anita. The Shifting Sands of Motivation: Revisiting What Drives Contributors in Open Source. In: 43rd ACM/IEEE International Conference on Software Engineering. Madrid, Spain. June 2021.
2021	WESSEL, Mairieli; WIESE, Igor;GEROSA, Marco A; **STEINMACHER, Igor**. Don't Disturb Me: Challenges of Interacting with Software Bots on Open Source Software Projects. In: ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2021), 2021
2021	GUIZANI, Mariam; CHATTERJEE, Amreeta, TRINKENREICH, Bianca; MAY, Mary Evelyn; NOA, Geraldine J.; RUSSEL, Liam J.; ZAMBRANO, Griselda Cuevas; IZQUIERDO, Daniel; **STEINMACHER, Igor**; GEROSA, Marco A.; SARMA, Anita. The Long Road Ahead: Ongoing Challenges in Contributing to Large OSS Organizations and What to Do. In: ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2021), 2021.
2021	SANTOS, Fabio; WIESE, Igor; TRINKENREICH, Bianca; **STEINMACHER, Igor**; SARMA, Anita; GEROSA, Marco A. Can I Solve it? Identifying the APIs required to complete OSS tasks. In: International Conference on Mining Software Repositories (MSR 2021), 2021, Virtual. International Conference on Mining Software Repositories (MSR 2021), 2021. p. 1-12.

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2021	MATSUBARA, Patricia; **STEINMACHER, Igor**; MALDONADO, José; GADELHA, Bruno;CONTE, Tayana.Trust yourself! Or maybe not: factors related to overconfidence and uncertainty assessments of software effort estimates. In: 2021 Brazilian Symposium on Software Engineering (SBES 2021), 2021.
2021	TONHÃO, Simone; COLANZI, Thelma; **STEINMACHER, Igor**. Using Real Worked Examples to Aid Software Engineering Teaching. In: 2021 Brazilian Symposium on Software Engineering - Education Trach (SBES Education 2021), 2021.
2020	BALALI, Sogol; ANNAMALAI, Umayal; PADALA; Susmita; TRINKENREICH, Bianca; GEROSA, Marco A.; **STEINMACHER, Igor**; SARMA, Anita. Recommending Tasks to Newcomers in OSS Projects: How Do Mentors Handle It? 16th International Symposium on Open Collaboration (OpenSym 2020) **[Best Paper Award]**
2020	FRONCHETTI, Luiz Felipe; BARBOSA, Caio; PINTO, Gustavo; **STEINMACHER, Igor**; FONSECA, Baldoino; RIBEIRO, Márcio; TREUDE, Christoph, ALENCAR, Daniel. Refactoring from 9 to 5? What and When Employees and Volunteers Contribute to OSS. In: IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2020)
2020	WESSEL, Mairieli; SEREBRENIK, Alexander; WIESE, Igor; **STEINMACHER, Igor**; GEROSA, Marco A. What to Expect from Code Review Bots on GitHub? A Survey with OSS Maintainers. In: 2020 Brazilian Symposium on Software Engineering - Insightful Ideas and Emergent Results Track (SBES 2020).
2020	TONHÃO, Simone de França; COLANZI, Thelma Elita; **STEINMACHER, Igor**. Portal for Cataloging Worked Examples Extracted from Open Source Software. In: 2020 Brazilian Symposium on Software Engineering - Insightful Ideas and Emergent Results Track (SBES 2020).
2020	SILVA, Williamson; GADELHA, Bruno; **STEINMACHER, Igor**; CONTE, Tayana U. Towards an Open Repository for Teaching Software Modeling applying Active Learning Strategies. In: 42nd International Conference on Software Engineering - Software Engineering Education and Training Track (ICSE-SEET 2020).
2020	BERTONCELLO, Marcus; PINTO, Gustavo; WIESE, Igor; **STEINMACHER, Igor**. Pull Requests or Commits? Which Method Should We Use to Study Contributors' Behavior?. In:27th IEEE International Conference on Software Analysis, Evolution and Reengineering - REproducibility Studies and NEgative Results Track (SANER-RENE Track). 2020.
2020	ANDERSON, John; **STEINMACHER, Igor**; RODEGHERO, Paige Assessing the Characteristics of FOSS Contributions in Network Automation Projects. In: 36th International Conference on Software Maintenance and Evolution (ICSME 2020).
2020	WESSEL, Mairieli; SEREBRENIK, Alexander; WIESE, Igor; **STEINMACHER, Igor**; GEROSA, Marco A.. Effects of Adopting Code Review Bots on Pull Requests to OSS Projects. In: 36th International Conference on Software Maintenance and Evolution (ICSME 2020). **[IEEE TCSE Distinguished Paper Award]**
2020	ZANATTA, Alexandre; MACHADO, Leticia; **STEINMACHER, Igor**; PRIKLADNICKI, Rafael; DE SOUZA, Cleidson R. B.. Strategies for Crowdworkers to Overcome Barriers in Competition-based Software Crowdsourcing Development. In: 13th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE Short Paper). 2020.
2020	SILVA, Jefferson; WIESE, Igor; GERMAN, Daniel; TREUDE, Christoph; GEROSA, Marco A.; **STEINMACHER, Igor**. A Theory of the Engagement in Open Source Projects via Summer of Code Programs. ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2020)
2020	MACHADO, Leticia; **STEINMACHER, Igor**; MARCZAK, Sabrina; DE SOUZA, Cleidson R. B. How Online Forums Complement Task Documentation in Software Crowdsourcing. In: 13th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE). 2020.
2020	TRINKENREICH, Bianca; GUIZANI, Mariam; WIESE, Igor; SARMA, Anita; **STEINMACHER, Igor**. Hidden Figures: Roles and Pathways of Successful OSS Contributors. In: ACM Conference on Computer

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2020	DOMINIC, James; HOUSER, Jada; **STEINMACHER, Igor**; RITTER, Charles; RODEGHERO, Paige. Conversational Bot for Newcomers Onboarding to Open Source Projects. 2nd International Workshop on Bots in Software Engineering (BotSE). 2020.
2020	<u>WESSEL, Mairieli</u>; **STEINMACHER, Igor**. The Evil Side of Software Bots on Pull Requests. 2nd International Workshop on Bots in Software Engineering (BotSE). 2020.
2019	PINTO, Gustavo; FERREIRA, Clarice; SOUZA, Cleice; **STEINMACHER, Igor**; MEIRELLES, Paulo. Training Software Engineers using Open-Source Software: The Students' Perspective. In: *41st International Conference on Software Engineering - Software Engineering Education and Training Track (ICSE-SEET 2019)*, 2019 [**BEST PAPER AWARD**].
2019	NASCIMENTO, Elizamary; AHMED, Iftekhar; OLIVEIRA, Edson Cesar; PALHETA, Marcio P.; **STEINMACHER, Igor**; CONTE, Tayana U. Understanding Development Process of Machine Learning Systems: Challenges and Solutions. In: ***ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2019)***, 2019. p. 1-6.
2019	VAZ, Luis; **STEINMACHER, Igor**; MARCZAK, Sabrina. What Information Matter? An Empirical Study on Task Documentation in Software Crowdsourcing. In: ***14th International Conference on Global Software Engineering (ICGSE 2019)***. 2019.
2019	IAFFALDANO, Giuseppe; **STEINMACHER, Igor**; CALEFATO, Fabio; GEROSA, Marco Aurélio; LANUBILE, Filippo. Why do developers take breaks from contributing to OSS projects? A preliminary analysis. In: ***2nd International Workshop on Software Health (SoHeal 2019)***, 2019.
2019	<u>WESSEL, Mairieli</u>; **STEINMACHER, Igor**; WIESE, Igor; GEROSA, Marco Aurélio. Should I Stale or Should I Close? An Analysis of a Bot that Closes Abandoned Issues and Pull Requests. In: ***1st International Workshop on Bots for Software Engineering (BotSE)***, 2019.
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2018	SILVA, Williamson; GADELHA, Bruno; **STEINMACHER, Igor**; CONTE, Tayana. What are the differences between group and individual modeling when learning UML? **In: Brazilian Symposium on Software Engineering (SBES 2018).** 308-317
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2017	DINIZ, Guilherme; GRACIOTTO SILVA, Marco A.; GEROSA, Marco Aurélio; **STEINMACHER, Igor**; Using Gamification to Orient and Motivate Students to Contribute to OSS projects. In: *10th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2017)*, Buenos Aires, Argentina. 2017. p. 1-7.
2016	**STEINMACHER, Igor**; CONTE, Tayana; TREUDE, Christoph; GEROSA, Marco A. Overcoming open source project entry barriers with a portal for newcomers. In: *Proceedings of the 38th International Conference on Software Engineering (ICSE '16)*. p. 273-284.
2016	PINTO, Gustavo; **STEINMACHER, Igor**; GEROSA, Marco A. More Common Than You Think: An In-depth Study of Casual Contributors. In: *2016 IEEE 23rd International Conference on Software Analysis, Evolution, and Reengineering (SANER)*. p. 112-113.
2016	WIESE, Igor S.; **STEINMACHER, Igor**; TREUDE, Christoph; SILVA, José Teodoro; GEROSA, Marco A. Who is who in the mailing list? Comparing six disambiguation heuristics to identify multiple addresses of a participant. In: *Proceedings of the 32nd IEEE International Conference on Software Maintenance and Evolution (ICSME)*, 2016. p. 1-10.
2016	SARMA, Anita; GEROSA, Marco Aurélio; **STEINMACHER, Igor**; Leano, Rafael. Training the Future Workforce through Task Curation in an OSS Ecosystem. In: **Foundations on Software Engineering (FSE'16) - Visions and Reflections track**, 2016, Seattle, WA. 2016. p. 934-937.

2016	FRONCHETTI, Luiz Felipe F.; **STEINMACHER, Igor**; PINTO, Gustavo H. L.; COSTA, Daniel A.; GEROSA, Marco Aurelio. How Does the Shift to GitHub Impact Project Collaboration? In: **2nd International Conference on Software Maintenance and Evolution (Early Research Achievements)**. Raleigh, NC, USA. 2016
2016	NASCIMENTO, Elizamary; SILVA, Williamson; **STEINMACHER, Igor**; MASSOLLAR, Jobson; TRAVASSOS, Guilherme H.; CONTE, Tayana U. Uma imagem fala mais que mil palavras? Análise comparativa entre o uso de abordagens textual e gráfica para especificar Casos de Uso. In: *XXX Simpósio Brasileiro de Engenharia de Software*, 2016. p. 1-10.
2015	**STEINMACHER, Igor**; CONTE, Tayana; GEROSA, Marco A. Understanding and Supporting the Choice of an Appropriate Task to Start with in Open Source Software Communities. In: *2015 48th Hawaii International Conference on System Sciences (HICSS)*, 2015. p. 5299-5308.
2015	**STEINMACHER, Igor**; CONTE, Tayana; GEROSA, Marco A.; REDMILES, David. Social Barriers Faced by Newcomers Placing Their First Contribution in Open Source Software Projects. In: *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing - CSCW '15*. New York: ACM Press. p. 1379-13.
2015	RABELO, Jacilane de Holanda; DE OLIVEIRA, Edson C.; DOS SANTOS, Davi V.; BRAGA, Luis C.; SOUZA, Gleison dos Santos; **STEINMACHER, Igor**; CONTE, Tayana. Knowledge Management and Organizational Culture in a Software Organization - A Case Study. In: **International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2015)**: 89-92
2015	T. GERALDI, RICARDO; OLIVEIRA JR., EDSON; CONTE, Tayana; **STEINMACHER, Igor**. Checklist-based Inspection of SMarty Variability Models - Proposal and Empirical Feasibility Study. In: *Proceedings of the 17th International Conference on Enterprise Information Systems*. p. 268-8.
2015	**STEINMACHER, Igor**; WIESE, Igor; CONTE, Tayana; GEROSA, Marco A. Increasing the Self-Efficacy of Newcomers to Open Source Software Projects. In: *2015 29th Brazilian Symposium on Software Engineering*. v. 1. p. 160.
2015	WIESE, Igor S.; RE, REGINALDO; **STEINMACHER, Igor**; KURODA, RODRIGO TAKASHI; OLIVA, GUSTAVO ANSALDI; GEROSA, Marco A. Predicting Change Propagation from Repository Information. In: *2015 29th Brazilian Symposium on Software Engineering*. v. 1. p. 100-109.
2014	**STEINMACHER, Igor**; GEROSA, Marco A.; REDMILES, David F. Onboarding, and Retaining Newcomer Developers in Open Source Software Projects. I. In: *Workshop of Global Software Development in a CSCW perspective*, 2014.
2014	**STEINMACHER, Igor**; GEROSA, Marco A. How to Support Newcomers Onboarding to Open Source Software Projects. In: **International Conference on Open Source Systems (OSS 2014)**: 199-201
2014	**STEINMACHER, Igor**; GRACIOTTO SILVA, M. A.; GEROSA, Marco A. Barriers faced by newcomers to open source projects: a systematic review. In: *The 10th IFIP WG 2.13 International Conference on Open Source Systems*, 2014. p. 153-163.
2014	**STEINMACHER, Igor**; WIESE, Igor S.; CONTE, Tayana; Gerosa, Marco A.; REDMILES, David. The hard life of open source software project newcomers. In: *Proceedings of the 7th International Workshop on Cooperative and Human Aspects of Software Engineering - CHASE 2014*. New York: ACM Press. p. 72.
2014	**STEINMACHER, Igor**; CHAVES, Ana Paula; CONTE, Tayana; GEROSA, Marco A. Preliminary Empirical Identification of Barriers Faced by Newcomers to Open Source Software Projects. In: *2014 Brazilian Symposium on Software Engineering*. p. 51-10.
2014	**STEINMACHER, Igor**; GEROSA, Marco A. Choosing an Appropriate Task to Start With In Open Source Software Communities: a Hard Task. In: *Proceedings of the 20th International Conference on Collaboration and Technology (CRIWG)*, 2014. p. 1-8.

2014	WIESE, Igor S.; CÔGO, FILIPE ROSEIRO; RÉ, Reginaldo; **STEINMACHER, Igor**; GEROSA, Marco A. Social metrics included in prediction models on software engineering. In: ***Proceedings of the 10th International Conference on Predictive Models in Software Engineering - PROMISE '14***. p. 72-83.
2013	**STEINMACHER, Igor**; WIESE, Igor; CHAVES, Ana Paula; GEROSA, Marco A. Why do newcomers abandon open source software projects?. In: ***2013 6th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE)***. p. 25-32.
2013	OLIVA, GUSTAVO ANSALDI; **STEINMACHER, Igor**; WIESE, Igor; Gerosa, Marco A. What can commit metadata tell us about design degradation?. In: ***Proceedings of the 2013 International Workshop on Principles of Software Evolution - IWPSE 2013***. New York: ACM Press. p. 18-27.
2012	SCHWERZ, André Luis; ROBERTO, Rafael Liberato; Wiese, Igor; **STEINMACHER, Igor**; GEROSA, Marco Aurélio; FERREIRA, João Eduardo. Prediction of Developer Participation in Issues of Open Source Projects. In: ***2012 Brazilian Symposium on Collaborative Systems (SBSC)***, 109-114
2012	**STEINMACHER, Igor**; WIESE, Igor S.; GEROSA, Marco A. Recommending mentors to software project newcomers. In: ***2012 Third International Workshop on Recommendation Systems for Software Engineering (RSSE)***, 2012. p. 63-67.
2012	**STEINMACHER, Igor**; WIESE, Igor S.; CHAVES, Ana Paula; GEROSA, Marco A. Newcomers Withdrawal in Open Source Software Projects: Analysis of Hadoop Common Project. In: ***2012 Brazilian Symposium on Collaborative Systems (SBSC)***, p. 65 -74.
2012	NISHI, MARCELO KOTI; CHAVES, Ana Paula; **STEINMACHER, Igor**. A Collective Intelligence Based System for Visualizing Problems in Public Roads. In: ***2012 Brazilian Symposium on Collaborative Systems (SBSC)***, p. 94-98.
2012	SILVA, JOSE TEODORO DA; GEROSA, Marco A.; WIESE, Igor; RÉ, Reginaldo; **STEINMACHER, Igor**. An Extensible Service for Experts Recommendation on Distributed Software Development Projects. In: ***2012 International Conference on Global Software Engineering Workshops (ICGSEW)***, 2012. p. 18.
2010	CHAVES, Ana Paula; HUZITA, Elisa Hatsue Moriya; VIEIRA, Vaninha; **STEINMACHER, Igor**. A Context Conceptual Model for a Distributed Software Development Environment. In: ***Proceedings of the 22nd International Conference on Software Engineering & Knowledge Engineering (SEKE'2010)***. Skokie, EUA: Knowledge Systems Institute, 2010. p. 437-442.
2010	**STEINMACHER, Igor**; CHAVES, Ana Paula; GEROSA, Marco A. Awareness Support in Global Software Development: A Systematic Review Based on the 3C Collaboration Model. In: ***16th CRIWG Conference on Collaboration and Technology***, 2010. v. 6257. p. 185-201.

Concluded Graduate Supervision

Concluded Master's Thesis

- Simone de França. 2021. Master's in Computer Science - Universidade Estadual de Maringá, Conselho Nacional de Desenvolvimento Científico e Tecnológico. *Supervisor*
- Carlos Danilo Luz. 2021. Master's in Computer Science - Universidade Estadual de Maringá. *Co-supervisor (w/ Edson Oliveira Jr.).*
- Marcus Vinicius Bertoncello. 2019. Master's in Computer Science - Universidade Estadual de Maringá. *Supervisor.*
- Anderson Bergamini de Neira. 2018. Master's in Computer Science - Universidade Estadual de Maringá. *Supervisor.*
- Carolina Toscani. 2018. Master's in Computer Science - Pontifícia Universidade Católica do Rio Grande do Sul. *Co-supervisor (w/ Sabrina Marczak).*
- João Choma Neto. 2017. Master's in Computer Science - Universidade Estadual de Maringá. *Co-Supervisor (w/ Thelma Colanzi).*

Concluded Ph.D. thesis

- Bianca Trinkenreich. 2022. Ph.D. in Computing – Northern Arizona University. *Supervisor.* ***2024 ACM SIGSOFT Outstanding Dissertation Award.***
- Simone de França. 2023. Ph.D. in Computer Science - Universidade Estadual de Maringá, Conselho Nacional de Desenvolvimento Científico e Tecnológico. *Supervisor.*
- Marcia Lima, 2023. Ph.D. in Computer Science – Universidade Federal do Amazonas. *Co-supervisor* (w/ Tayana Conte and Bruno Gadelha).
- Fabio Santos, 2023. Ph.D. in Computing – Northern Arizona University. *Co-Supervisor (w/ Marco Gerosa).*
- Patricia Matsubara. 2022. Ph.D. in Computer Science - Universidade Federal do Amazonas. Co-Supervisor (w/ Tayana Conte).
- Mairieli Wessel. 2021. Ph.D. in Computer Science - Universidade de São Paulo. Co-Supervisor (w/ Marco Gerosa).
- Williamson Alison Freitas Silva. 2020. Ph.D. in Computer Science - Universidade Federal do Amazonas, Conselho Nacional de Desenvolvimento Científico e Tecnológico. Co-Supervisor (w/ Tayana Conte).
- Jefferson de Oliveira Silva. 2019. Ph.D. in Computer Science - Universidade de São Paulo. Co-Supervisor (w/ Marco Gerosa)
- Alexandre Lazaretti Zanatta. 2018. Ph.D. in Computer Science - Pontifícia Universidade Católica do Rio Grande do Sul. Co-Supervisor (w/ Rafael Prikladnicki)*.*

Ongoing Graduate Supervision

Ongoing Master's Thesis
- Andressa Medeiros. 2022-current - Universidade Estadual de Maringá, Learning Software Engineering based on Worked Examples and Open Source.
- Pawan Acharia. 2024-current – Northern Arizona University. ChatGPT and Creativity in Hackathons.

Ongoing Ph.D. thesis
- Italo Santos. 2021-current – Northern Arizona University. A gamified environment to teach the Open Source Software process.
- Jacob McAuley Penney. 2023-current – Northern Arizona University. Using Large Language Models to support Computational Thinking Learning Process.
- Ana Claudia Maciel. 2021-current – Universidade Estadual de Maringá-Brazil. Understanding how GitHub Discussion impacts Open Source Software Project activities.

Professional Service

Journal Editor
- Lead Guest Editor of SpringerOpen JISA – Thematic Series on Free and Open Source Software Development
- Co-Guest Editor of the IEEE Software Thematic Series: 20 Years of Open Source

Program Committee Chair
- Program Co-Chair of the Brazilian Symposium on Software Engineering – Main Track (SBES 2024)
- Program Co-Chair of the Brazilian Symposium on Software Engineering – Insightful Ideas (SBES IIER 2023)
- Program Co-Chair of the 18th IFIP Conference on Open Source Systems (OSS 2022)
- Program Co-Chair of the International Conference on Software and Systems Process (ICSSP 2022)
- Program Co-Chair of the Brazilian Symposium on Software Engineering - Tools Track (SBES Tools 2022)
- Co-chair of the 2021 ICSE Student Contest on Software Engineering (SCORE 2021)
- Program Co-Chair of the ACM/IEEE International Conference on Global Software Engineering 2020 (ICGSE 2020);
- Program Co-Chair of the ACS/IEEE International Conference on Computer Systems and Applications (AICCSA 2019)

Program Committee Membership
- ICSE: International Conference on Software Engineering (2022, 2023, 2024, 2025)
- MSR: International Conference on Mining Software Repositories (2023, 2024)
- EASE: International Conference on Evaluation and Assessment in Software Engineering (2017, 2018, 2024)
- GROUP: ACM International Conference on Supporting Group Work (2020)
- ICSE-SEIS: International Conference on Software Engineering – Software Engineering in Society (2020)

- SANER-Tool: International Conference on Software Analysis, Evolution and Reengineering – Tool Track (2019, 2020)
- BotSE: International Workshop on Bots for Software Engineering (2019, 2020, 2022)
- ACM CSCW: International Conference on Computer Supported Cooperative Work and Social Computing (2019, 2020)
- ICSE-NIER: International Conference on Software Engineering – New Ideas and Emerging Results (2019)
- ICGSE: IEEE International Conference on Global Software Engineering (2016, 2017, 2018, 2019)
- SBES: Brazilian Symposium on Software Engineering (2017, 2018, 2019)
- OSS: International Conference on Open Source Systems (2017, 2018)
- ICSME: International Conference on Software Maintenance and Evolution (2017) – Artifacts Track
- CHASE: International Workshop on Cooperative and Human Aspects of Software Engineering (2017, 2018)
- CIbSE: Iberoamerican Congress of Software Engineering (2016, 2017)
- SBSC: Brazilian Symposium on Collaborative Systems (2015, 2016, 2017)
- VEM: Workshop on Software Visualization, Evolution, and Maintenance (2015, 2016, 2017)

Event Organization

- 2024 IEEE International Conference on Software Maintenance and Evolution (ICSME 2024)
- 2024 International Conference on Program Comprehension (ICPC 2024)
- 16th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE 2023)
- 2021 ICSSP-ICGSE: Virtualization co-chair
- 12th Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2019): Co-organizer
- AZ Computing Postdocs Best Practices (2017)
- 2016 Brazilian Conference on Software: Theory and Practice (CBSoft 2016): General Co-chair
- Workshop sobre Aspectos Sociais, Humanos e Econômicos de Software (WASHES 2016): Co-organizer
- Free/Libre Open Source Software Workshop (Workshop de Software Livre – 2014, 2015): General Chair
- 2012 Brazilian Symposium on Collaborative Systems (SBSC 2012): Member of the Organizing Committee

Journal Reviews

- Transactions on Software Engineering
- ACM Computer Surveys
- Communications of ACM
- Empirical Software Engineering
- Journal of Software: Evolution and Process
- Journal of Systems and Software
- IET Software
- Computer Standards & Interfaces
- Computer Supported Cooperative Work
- Journal of Brazilian Computer Society

Other Services

- IEEE International Conference on Software Maintenance and Evolution (ICSME 2022): Proceedings Chair
- International Conference on Software Maintenance and Evolution (ICSME 2018): Publicity Chair
- International Conference on Open Source Systems (OSS 2018): Publicity Chair for South America
- IEEE International Conference on Global Software Engineering (ICGSE 2017): Publicity and Social Media Chair
- IEEE International Conference on Global Software Engineering (ICGSE 2016): Proceedings Chair
- Member of the Education Committee: Brazilian Computer Society (2015-2017)
- Member of Collaborative Systems Special Interest Group (CESC) - Brazilian Computer Society (2015-2016)

Link to the webpages MyResearcherID and/or MyCitation (Google Scholar).

Google Scholar:	https://scholar.google.com.br/citations?user=I8o8rfoAAAAJ&hl=en
ResearcherId:	http://www.researcherid.com/rid/H-2709-2012
ORCID:	http://orcid.org/0000-0002-0612-5790
DBLP:	http://dblp.uni-trier.de/pers/hd/s/Steinmacher:Igor

Scopus:	http://www.scopus.com/authid/detail.url?authorId=36609225300
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