

CV – Igor Steinmacher, PhD

Associate Director for Graduate Programs
Associate Professor
 School of Informatics, Computing and Cyber Systems
 Northern Arizona University

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
B.S. 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	2025 – current 2018 – 2025* 2017 – 2018	Associate Professor & Associate Director 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**Highlights**

- Currently supervising 1 M.Sc. student and 4 Ph.D. students
- Successfully supervised 20+ undergraduate research students, 8 M.Sc. and 10 Ph.D. (as supervisor and co-supervisor)
- Supervisor of Bianca Trinkenreich's PhD dissertation, winner of the 2024 ACM SIGSOFT Outstanding Dissertation Award.
- Received Best Paper/Distinguished Paper Awards on well-recognized conferences: ESEM 2024, Conversations 2023 (led by a PhD mentee), ICSE 2021, ICSE 2023 (led by a PhD mentee), ICSE-SEIS 2022 (led by a PhD mentee), ICSE-SEET 2019, ICSME 2020 (led by a PhD mentee), OpenSym 2021, SBES 2018.
- Higher Education Instructor for more than 15 years
- Lead guest editor of the Thematic Series on Free and Open Source Software Development, SpringerOpen Journal of Internet Services and Applications (JISA)
- Guest-editor of the Special issue on "20 Years of Open Source—Impact on Software Engineering Practice" of IEEE Software
- Fellowship of Brazilian research productivity (PQ) award (2021-2022)

- 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).
- Secured more than 2.5M as lead PI of NSF grants.
- Program Committee (PC) member of many international conferences and workshops (e.g., ICSE, MSR, ICGSE, ICSME, EASE, OSS, CHASE, ICSE-NIER, CSCW)
- Reviewer of high-quality journals (EMSE, IST, CSCW, IET Software, ACM Computer Surveys, TSE)
- Citation index **H44** (Google Scholar)

Grants Awarded

- **(NSF IUSE:EHR)** Principal Investigator: **Igor Steinmacher**; Co-Principal Investigator: Marco Gerosa, Pradeep Dass. Start Date:01/01/2023; Award Amount: \$405,000.00
- **(NSF POSE)**. Principal Investigator: **Igor Steinmacher** (previously Toby Hocking). Co-Principal Investigator: Marco Gerosa. Start Date:09/15/2023; Award Amount: \$731,881.00
- **(NSF RETTL)**. Principal Investigator: Marco Gerosa. Co-Principal Investigator: **Igor Steinmacher**, Pradeep Dass. Start Date:06/01/2023; Award Amount: \$561,999.00.
- **(NSF HSI)**. Principal Investigator: **Igor Steinmacher**. Co-Principal Investigator: Marco Gerosa. Start Date:07/01/2023; Award Amount: \$498,616.00.
- **(NSF CHS: Large)**. Principal Investigator: **Igor Steinmacher**; Co-Principal Investigator: Marco Gerosa. Start Date: 08/01/2019; End Date: 07/31/2023; 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 (Postdocs and PhD/MSc mentees under my supervision or co-supervision are underlined)

2025	<u>SANTOS, Ítalo</u> ; 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	<u>LIMA, Márcia</u> ; 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; <u>TRINKENREICH, Bianca</u> ; 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; <u>TRINKENREICH, Bianca</u> ; 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	<u>TRINKENREICH, Bianca</u> , GEROSA, Marco Aurélio, SARMA, Anita, STEINMACHER, Igor . "Guidelines for Cultivating a Sense of Belonging to Reduce Developer Burnout" IEEE Software, 2024.
2023	<u>LIMA, Márcia</u> ; 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	<u>TRINKENREICH, Bianca</u> ; GEROSA, Marco Aurélio; STEINMACHER, Igor . Women in Open Source: We Need to Talk About It. Computer 55(12): 145-149 (2023)
2023	<u>WESSEL, Mairieli</u> ; ZAIMAN, Andy; GEROSA, Marco Aurélio; STEINMACHER, Igor . Guidelines for Developing Bots for GitHub. IEEE Softw. 40(3): 72-79 (2023)
2023	<u>SANTOS, Fabio</u> ; VARGOVICH, Joseph; <u>TRINKENREICH, Bianca</u> ; <u>SANTOS, Ítalo</u> ; <u>PENNEY, Jacob</u> ; 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	<u>MATSUBARA, Patricia</u> ; 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	<u>WESSEL, Mairieli</u> ; 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	<u>TRINKENREICH, Bianca</u> ; 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	<u>MATSUBARA, Patricia</u> ; 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	<u>TRINKENREICH, Bianca</u> ; 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; <u>TRINKENREICH, Bianca</u> ; 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. <i>IEEE Transactions on Software Engineering</i> (2020)
2020	<u>SILVA, Jefferson O.</u> ; WIESE, Igor; GERMAN, Daniel M.; TREUDE, Christoph; GEROSA, Marco A.; STEINMACHER, Igor . Google Summer of Code: Student Motivations and Contributions. <i>JOURNAL OF SYSTEMS AND SOFTWARE</i> , v. 99, 2019.
2019	<u>SILVA, Williamson</u> ; STEINMACHER, Igor ; CONTE, Tayana. Students' and instructors' perceptions of five different active learning strategies used to teach software modeling. <i>IEEE Access Journal</i> , 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. <i>Software Quality Journal</i> , 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. <i>PLOS Computational Biology</i> , 2019.
2018	<u>FRONCHETTI, Luiz Felipe</u> ; STEINMACHER, Igor ; PINTO, Gustavo, Who Drives Company-Owned OSS Projects: Internals or Externals Members? <i>Journal of the Brazilian Computer Society</i> , 2018
2018	<u>BERGAMINI, Anderson</u> ; STEINMACHER, Igor ; WIESE, Igor Scaliante, Characterizing the hyperspecialists in the context of Crowdsourcing Software Development. <i>Journal of the Brazilian Computer Society</i> , 2018
2018	STEINMACHER, Igor ; GEROSA, Marco A; CONTE, Tayana; REDMILES, David F. Overcoming Social Barriers when Contributing to Open Source Software Projects. In: <i>Computer Supported Cooperative Work</i> , 2018.
2018	PINTO, Gustavo; STEINMACHER, Igor ; <u>FRONCHETTI, Luiz Felipe</u> ; GEROSA, Marco A. On the Challenges of Open-Sourcing Proprietary Software Projects. In: <i>Empirical Software Engineering Journal</i> , 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. <i>Computer Supported Cooperative Work</i> , 2018.
2018	STEINMACHER, Igor ; TREUDE, Christoph; GEROSA, Marco A. Let me in: Guidelines for the Successful Onboarding of Newcomers to Open Source Projects. <i>IEEE SOFTWARE</i> , 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. <i>Journal of Internet Services and Applications</i> , v. 8, p. 17, 2017.
2017	<u>ZANATTA, Alexandre L.</u> ; STEINMACHER, Igor ; MACHADO, Leticia S.; de SOUZA, Cleidson; PRIKLACNICKI, Rafael. Barriers Faced by Newcomers in Software Crowdsourcing Projects, <i>IEEE Software</i> , 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. <i>The Journal of Systems and Software</i> , 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. <i>Information and Software Technology</i> , 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. <i>Electronic Communications of the EASST</i> , 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. <i>Revista Eletrônica de Sistemas de Informação</i> , 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. <i>Computer Supported Cooperative Work</i> , 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. <i>CLEI Electron. J.</i> 14(2). 2011

Peer Reviewed Conference and Workshop Papers

(Postdocs and PhD/MSc mentees under my supervision or co-supervision are underlined)

2025	<u>TRINKENREICH, Bianca</u> ; 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; <u>TRINKENREICH, Bianca</u> ; 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.
2025	<u>SANTOS, Italo</u> ; <u>FELIZARDO, Katia</u> ; STEINMACHER, Igor ; GEROSA, Marco. Great power brings great responsibility: Personalizing Conversational AI for Diverse Problem-Solvers. CHASE 2025
2025	FENG, Zixuan; STEINMACHER, Igor ; GEROSA, Marco; MENEZES, Tyler; SEREBRENIK, Alexander; MILEWICZ, Reed; SARMA, Anita. The Multifaceted Nature of Mentoring in OSS: Strategies, Qualities, and Ideal Outcomes. CHASE 2025
2025	<u>SANTOS, Italo</u> ; <u>FELIZARDO, Katia</u> ; SARMA, Anita; STEINMACHER, Igor ; GEROSA, Marco. OSSDoorway: A Gamified Environment to Scaffold Student Contributions to Open Source Software. CSEE&T 2025
2025	CHOUDHURI, Rudrajit; RAMAKRISHNAN, Ambareesh; CHATTERJEE, Amreeta; <u>TRINKENREICH, Bianca</u> ; STEINMACHER, Igor ; GEROSA, Marco; SARMA, Anita. Insights from the Frontline: GenAI Utilization Among Software Engineering Students. CSEE&T 2025
2025	<u>ETCHIE, Misan</u> ; BEACH, Hunter; <u>FELIZARDO, Katia</u> ; STEINMACHER, Igor . Towards a Newcomers Dataset to Assess Conversational Agent's Efficacy in Mentoring Newcomers. BotSE 2025
2025	COSTALONGA, Marcelo; NAPOLEAO, Bianca Minetto; BALDASSARRE, Maria Teresa; <u>FELIZARDO, Katia</u> ; STEINMACHER, Igor ; Kalinowski, Marcos. Can Machine Learning Support the Selection of Studies for Systematic Literature Review Updates? WSESE 2025
2025	<u>FELIZARDO, Katia</u> ; DEIZEPE, Anderson; COUTINHO, Daniel; GOMES, Genildo; MEIRELES, Maria; GEROSA, Marco; STEINMACHER, Igor . On the difficulties of conducting and replicating systematic literature reviews studies using LLMs in software engineering. WSESE 2025

2024	<u>FELIZARDO, Kátia</u> ; 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	<u>FELIZARDO, Kátia</u> ; 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 ; <u>PENNEY, Jacob McAuley</u> ; <u>FELIZARDO, Kátia</u> ; <u>GARCIA, Alessandro F.</u> ; 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	<u>SANTOS, Ítalo</u> ; <u>FELIZARDO, Kátia</u> ; GEROSA, Marco Aurélio; STEINMACHER, Igor . Game Elements to Engage Students Learning the Open Source Software Contribution Process. VL/HCC 2024: 59-70
2024	<u>CORREIA, João</u> ; NICHOLSON, Morgan; COUTINHO, Daniel; BARBOSA, Caio; CASTELUCCIO, Marco; GEROSA, Marco Aurelio; <u>GARCIA, Alessandro</u> ; 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 (Alware), 9. Porto de Galinhas, PE, Brazil: ACM, 2024.
2024	<u>TRINKENREICH, Bianca</u> ; 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; <u>PIMENTEL, João Felipe Nicolaci</u> ; 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	<u>PENNEY, Jacob</u> ; <u>PIMENTEL, João Felipe</u> ; STEINMACHER, Igor ; GEROSA, Marco A. Anticipating User Needs: Insights from Design Fiction on Conversational Agents for Computational Thinking. In: 7 th International Workshop on Chatbot Research (Conversations 2023). [Best Paper Award]
2023	<u>TRINKENREICH, Bianca</u> ; 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	<u>TRINKENREICH, Bianca</u> ; 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	<u>SANTOS, Ítalo</u> ; 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; <u>SANTOS, Fabio</u> ; <u>PENNEY, Jacob</u> ; GEROSA, Marco Aurélio; STEINMACHER, Igor . GiveMeLabeledIssues: An Open Source Issue Recommendation System. MSR 2023: 402-406
2023	<u>SANTOS, Fabio</u> ; <u>PENNEY, Jacob</u> ; 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	<u>LUZ, Carlos Danilo</u> ; 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	<u>LUZ, Carlos Danilo</u> ; OLIVEIRA JR., Edson; STEINMACHER, Igor . How Experimentation in Software Engineering has been taught? Survey and Research Agenda. EASE 2022: 299-304
2022	<u>SANTOS, Fabio</u> ; <u>TRINKENREICH, Bianca</u> ; 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	<u>WESSEL, Mairieli</u> ; 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; <u>TRINKENREICH, Bianca</u> ; 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	<u>TRINKENREICH, Bianca</u> ; 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]
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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; <u>TRINKENREICH, Bianca</u> ; 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	<u>WESSEL, Mairieli</u> ; 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
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2021	<u>SANTOS, Fabio</u> ; WIESE, Igor; <u>TRINKENREICH, Bianca</u> ; 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.
2021	<u>MATSUBARA, Patricia</u> ; STEINMACHER, Igor ; GADELHA, Bruno; CONTE, Tayana. Buying time in software development: how estimates become commitments?. In: 14th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE 2021), 2021, Virtual. 2021
2021	<u>MATSUBARA, Patricia</u> ; 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	<u>TONHÃO, Simone</u> ; COLANZI, Thelma; STEINMACHER, Igor . Using Real Worked Examples to Aid Software Engineering Teaching. In: 2021 Brazilian Symposium on Software Engineering - Education Track (SBES Education 2021), 2021.
2020	BALALI, Sogol; ANNAMALAI, Umayal; PADALA, Susmita; <u>TRINKENREICH, Bianca</u> ; 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	<u>FRONCHETTI, Luiz Felipe</u> ; BARBOSA, Caio; PINTO, Gustavo; STEINMACHER, Igor ; FONSECA, Balduino; 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	<u>WESSEL, Mairieli</u> ; 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	<u>TONHÃO, Simone de França</u> ; 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	<u>SILVA, Williamson</u> ; 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	<u>BERTONCELLO, Marcus</u> ; <u>PINTO, Gustavo</u> ; <u>WIESE, Igor</u> ; 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.
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2020	<u>WESSEL, Mairieli</u> ; <u>SEREBRENIK, Alexander</u> ; <u>WIESE, Igor</u> ; STEINMACHER, Igor ; <u>GEROSA, Marco A.</u> . 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	<u>ZANATTA, Alexandre</u> ; <u>MACHADO, Leticia</u> ; STEINMACHER, Igor ; <u>PRIKLADNICKI, Rafael</u> ; <u>DE SOUZA, Cleidson R. B.</u> . 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	<u>SILVA, Jefferson</u> ; <u>WIESE, Igor</u> ; <u>GERMAN, Daniel</u> ; <u>TREUDE, Christoph</u> ; <u>GEROSA, Marco A.</u> ; 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	<u>MACHADO, Leticia</u> ; STEINMACHER, Igor ; <u>MARCZAK, Sabrina</u> ; <u>DE SOUZA, Cleidson R. B.</u> How Online Forums Complement Task Documentation in Software Crowdsourcing. In: 13th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE). 2020.
2020	<u>TRINKENREICH, Bianca</u> ; <u>GUIZANI, Mariam</u> ; <u>WIESE, Igor</u> ; <u>SARMA, Anita</u> ; STEINMACHER, Igor . Hidden Figures: Roles and Pathways of Successful OSS Contributors. In: ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2020), 2020. [ACM SIGCHI Honorable Mention Paper Award]
2020	<u>DOMINIC, James</u> ; <u>HOUSER, Jada</u> ; STEINMACHER, Igor ; <u>RITTER, Charles</u> ; <u>RODEGHERO, Paige</u> . 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	<u>PINTO, Gustavo</u> ; <u>FERREIRA, Clarice</u> ; <u>SOUZA, Cleice</u> ; STEINMACHER, Igor ; <u>MEIRELLES, Paulo</u> . Training Software Engineers using Open-Source Software: The Students' Perspective. In: <i>41st International Conference on Software Engineering - Software Engineering Education and Training Track (ICSE-SEET 2019)</i> , 2019 [BEST PAPER AWARD] .
2019	<u>NASCIMENTO, Elizamary</u> ; <u>AHMED, Iftekhar</u> ; <u>OLIVEIRA, Edson Cesar</u> ; <u>PALHETA, Marcio P.</u> ; STEINMACHER, Igor ; <u>CONTE, Tayana U.</u> Understanding Development Process of Machine Learning Systems: Challenges and Solutions. In: <i>ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2019)</i> , 2019. p. 1-6.
2019	<u>VAZ, Luis</u> ; STEINMACHER, Igor ; <u>MARCZAK, Sabrina</u> . What Information Matter? An Empirical Study on Task Documentation in Software Crowdsourcing. In: <i>14th International Conference on Global Software Engineering (ICGSE 2019)</i> . 2019.
2019	<u>IAFFALDANO, Giuseppe</u> ; STEINMACHER, Igor ; <u>CALEFATO, Fabio</u> ; <u>GEROSA, Marco Aurélio</u> ; <u>LANUBILE, Filippo</u> . Why do developers take breaks from contributing to OSS projects? A preliminary analysis. In: <i>2nd International Workshop on Software Health (SoHeal 2019)</i> , 2019.
2019	<u>WESSEL, Mairieli</u> ; STEINMACHER, Igor ; <u>WIESE, Igor</u> ; <u>GEROSA, Marco Aurélio</u> . Should I Stale or Should I Close? An Analysis of a Bot that Closes Abandoned Issues and Pull Requests. In: <i>1st International Workshop on Bots for Software Engineering (BotSE)</i> , 2019.

2019	FRONCHETTI, Luiz Felipe; WIESE, Igor; PINTO, Gustavo; STEINMACHER, Igor . What Attract Newcomers to Onboard on OSS Projects? TL;DR Popularity. In: 15th International Conference of Open-Source Systems (OSS) , Montreal, Canada, 2019.
2019	PACHECO, Fabio; WIESE, Igor Scaliante; STEINMACHER, Igor ; CARTAXO, Bruno; PINTO, Gustavo. How Open is the SBES PC Community?. In: Proceedings of the 33rd Brazilian Symposium on Software Engineering (SBES 2019) , 2019. p. 1-5.
2019	LOPES, Adriana; STEINMACHER, Igor ; CONTE, Tayana U. UML Acceptance: Analyzing the Students Perception of UML Diagrams. In: Proceedings of the 33rd Brazilian Symposium on Software Engineering (SBES 2019) , 2019. p. 1-10.
2018	WESSEL, Mairieli; DE SOUZA, Bruno M.; STEINMACHER, Igor , WIESE, Igor; POLATO, Ivanilton; CHAVES, Ana Paula; GEROSA, Marco Aurélio. The Power of Bots: Characterizing and Understanding Bots in Open Source Software Projects. In: ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2018) .
2018	ANICHE, Mauricio; TREUDE, Christoph; STEINMACHER, Igor ; WIESE, Igor S.; PINTO, Gustavo; STOREY, Margaret-Anne; GEROSA, Marco A. How Modern News Aggregators Help Development Communities Shape and Share Knowledge. In: Proceedings of the 40th International Conference on Software Engineering (ICSE'18) , 2018. p. 1-12.
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2018	FERREIRA, Clarice; SOUZA, Cleice; PINTO, Gustavo; STEINMACHER, Igor ; MEIRELLES, Paulo. When students become contributors: leveraging OSS contributions in software engineering courses. In: Brazilian Symposium on Software Engineering (SBES 2018) . 260-269
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2018	PINTO, Gustavo; STEINMACHER, Igor ; GEROSA, Marco Aurélio. Leaving Behind the Software History When Transitioning to Open-Source: Reasons and Implications. In: The 14th International Conference on Open Source Systems (OSS 2018) , 2018. p. 1-10.
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2018	PINTO, Gustavo; FRONCHETTI, Luiz Felipe; STEINMACHER, Igor . Who Gets a Patch Accepted First? Comparing the Contributions of Employees and Volunteers. In: 11th International Workshop on Cooperative and Human Aspects of Software Engineering (CHASE 2018) , 2018. p. 1-4.
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2017	SILVA, Williamson; STEINMACHER, Igor ; CONTE, Tayana U. Is It Better to Learn from Problems or Erroneous Examples? In: 30th IEEE Conference on Software Engineering Education and Training (CSEE&T) , 2017. p. 222-231

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2017	SILVA, Jefferson O.; WIESE, Igor S.; GERMAN, Daniel; STEINMACHER, Igor ; GEROSA, Marco Aurelio. How Long and How Much: What to Expect from Summer of Code Participants?. In: 33rd IEEE International Conference on Software Maintenance and Evolution (ICSME) , 2017. p. 69-79.
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.
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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 - IWSE 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.
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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 Ph.D.

- Ana Claudia Maciel. 2026. Ph.D. in Computer Science – Universidade Estadual de Maringá. Investigating the Impact of GitHub Discussions on Maintainers' Workload and the Dynamics of Open Source Software Communities
- Italo Santos. 2024. Ph.D. in Computing – Northern Arizona University. Supporting Diverse Problem-Solving Styles in Understanding How to Contribute to Open Source. Co-supervisor
- 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).

Concluded Master's

- Misan Etchie. 2024-2026 – M.Sc. in Computer Science – Northern Arizona University. Improving Learning Outcomes Through a Gamified Software Engineering Learning Environment. Supervisor.
- Pawan Acharya. 2025. M.Sc. in Computer Science – Northern Arizona University. Exploring the impact of LLM-supported collaboration on team dynamics and participant perceptions in hackathons. Supervisor.
- Jacob McAuley Penney. 2024. M.Sc. in Computer Science – Northern Arizona University. Using Large Language Models to support Computational Thinking Learning Process. Supervisor
- 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 Bertonecello. 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).

Ongoing Graduate Supervision

Ongoing Ph.D. thesis

- Pedro A. Oliveira 2024-current – Northern Arizona University.
- Jacob Penney. 2025-current – Northern Arizona University.
- Morgan Nicholson. 2025-current – Northern Arizona University.

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)
- ClbSE: 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

- 2027 Student Mentoring Workshop @ ICSE (SMeW 2027)

- 2026 International Conference on Mining Software Repositories (MSR 2026)
- 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=l8o8rfoAAAAJ&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:lgor
Scopus:	http://www.scopus.com/authid/detail.url?authorId=36609225300
ACM DL:	http://dl.acm.org/author_page.cfm?id=81474699869