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1. Overview

Dr. Gerosa is a Full Professor in Computer Science at Northern Arizona University (NAU), where he co-directs the RESHAPE Lab (Research in Software: Human Aspects, Practices and Education). His research combines human aspects of software engineering, AI, education, and CSCW, resulting in more than 300 peer-reviewed publications with over 12,000 citations (h-index: 60; Google Scholar). He is a senior member of the ACM and IEEE. He has more than 25 years of experience in academia and has graduated 13 Ph.D. students, who now hold positions at institutions around the world.

Highlights	
Position	Full Professor of Computer Science, Northern Arizona University
Publications	335 total: 55 journal articles · 188 full conference papers · 38 short/workshop papers · 14 book chapters · 8 edited volumes · 32 technical reports & other works
Publication Venues	Publications in top-tier venues, including ICSE main track (12, including a distinguished paper award), EMSE Journal (10), TOSEM (3), and TSE (2)
Impact Metrics	>12,000 citations · h-index 60 (Google Scholar, as of Aug 2026)
External Funding	NSF grants totaling >\$4M as PI or Co-PI (2018–2026)
Postdocs	6 postdoctoral scholars mentored
Graduate Students	16 Ph.D. (13 graduated · 3 current), 17 M.Sc. (17 graduated)
Selected Awards	ACM SIGSOFT Distinguished Paper (ICSE 2023) • IEEE TCSE Distinguished Paper (ICSME 2020) • Best Paper (OpenSym 2020, CONVERSATIONS 2023, ICSE SEIS 2022) • Distinguished Paper (CHASE 2025 & 2026)
Mentoring Recognition	Co-advisor of ACM SIGSOFT Outstanding Dissertation Award recipient • Distinguished Mentorship Award (College of Engineering) • RCA Award nomination for Graduate Research Mentorship (NAU_
Professional Service	Selected program committee membership: ICSE, FSE, MSR, CSCW • ICSE 2026 Co-Located Events Co-Chair • ICSME 2024 General Co-Chair • MSR 2026 Awards Committee
Memberships	Senior Member ACM • Senior Member IEEE

2. Academic Background

2.1. Academic Positions

- 2017-present **Northern Arizona University** (NAU), USA, School of Informatics, Computing, and Cyber Systems
 - Full Professor (Since 2022)
 - Associate Professor (2017 – 2022)
- 2008-present **University of São Paulo** (USP), Brazil, Department of Computer Science
 - Affiliate to the Computer Science Graduate Program (Since 2018)
 - Associate Professor (2013 – 2017)
 - Assistant Professor (2008 – 2013)

- 2013-2014 **University of California, Irvine (UCI)**, USA, Department of Informatics
- Visiting Professor (2013 – 2014)
- 2005-2008 **University of Vila Velha (UVV)**, Brazil, Department of Computer Science
- Professor & Academic Coordinator (2005 – 2008)
- 2002-2005 **UniCarioca University**, Brazil, Department of Computing and Informatics
- Adjunct Professor & Department Chair (2002 – 2005)
- 2000-2006 **Catholic University of Rio de Janeiro (PUC-Rio)**, Brazil, Informatics Department
- Graduate Research Assistant (2000 – 2006)

2.2. Academic Degrees

- 2013 **“*Livre Docência*”** (*highest academic degree in Brazil*)
University of São Paulo (USP), Brazil
- 2006 **Ph.D. in Computer Science**
Catholic University of Rio de Janeiro (PUC-Rio), Brazil
Dissertation title: *“Component-based groupware development based on the 3C Collaboration Model”*
- 2002 **M.Sc. in Informatics**
Catholic University of Rio de Janeiro (PUC-Rio), Brazil
Dissertation title: *“Message categorization and structuring in collaborative environments”*
- 1999 **Computer Engineer, B.Sc.**
Federal University of Espírito Santo (UFES), Brazil
Dissertation title: *“Communication tools in a learning environment”*

2.3. Membership in Professional Societies

- 2010-present Senior Member, Association for Computing Machinery (**ACM**)
- 2010-present Senior Member, **IEEE Computer Society**
- 1998-present Professional Member, Brazilian Computer Society (**SBC**)

3. Scholarly Activities

3.1. Publications

Type of publication	Total
Journal	55
Book Chapters	14
Conference Full Paper	188
Conference Short Paper	38
Edited Work	8
Other	32
TOTAL	335

In the following subsections, my students and postdocs are underlined.

3.1.1. Refereed Journal Publications (55)

- J.55 2026 Coutinho, D., Braga, B., Canuto, T., Pereira, J. A., Assunção, W. K. G., Steinmacher, I., Gerosa, M.A., & Garcia, A. “Leveraging large language models for sentiment analysis in GitHub pull request discussions”. **Empirical Software Engineering (EMSE)**. DOI: 10.1007/s10664-026-10868-6
- J.54 2025 Feng, Z., Kimura, K., Trinkenreich, B., Steinmacher, I., Gerosa, M.A., Sarma, A., “Addressing OSS Community Managers’ Challenges in Contributor Retention”, **ACM Transactions on Software Engineering and Methodology (TOSEM)**. DOI: 10.1145/3769012
- J.53 Paiva, C.A., Maximo, R., Paiva, F., Vieira, R.A., Espanha, N., Pimentel, J.P., Wiese, I., Gerosa, M.A., Steinmacher, I., Murta, L., Braganholo, V., “Analyzing the Adoption of Database Management Systems Throughout the History of Open Source Projects”, **Empirical Software Engineering (EMSE)**. DOI: 10.1007/s10664-025-10627-z
- J.52 Aracena, G., Luster, K., Santos, F., Steinmacher, I., Gerosa, M.A., “Applying large language models to issue classification: Revisiting with extended data and new models,” *Science of Computer Programming (SCP)*, Volume 246, 2025, ISSN 0167-6423, <https://doi.org/10.1016/j.scico.2025.103333>.
- J.51 2024 Santos, I., Felizardo, K.R., Steinmacher, I., Gerosa, M.A., “Software Solutions for Newcomers' Onboarding in Software Projects: A Systematic Literature Review”, **Information and Software Technology (IST) Journal**. DOI: 10.1016/j.infsof.2024.107568
- J.50 Gerosa, M.A., Trinkenreich, B., Steinmacher, I., Sarma, A., “Can AI Serve as a Substitute for Human Subjects in Software Engineering Research?”, **Automated Software Engineering Journal**. DOI: 10.1007/s10515-023-00409-6
- J.49 Trinkenreich, B., Gerosa, M.A., Sarma, A., Steinmacher, I., “Guidelines for Cultivating a Sense of Belonging to Reduce Developer Burnout”, **IEEE Software**. DOI: 10.1109/MS.2024.3404361
- J.48 Guerra, E., Gomes, E., Ferreira, J., Wiese, I., Lima, P., Gerosa, M.A., Meirelles, P., “How do annotations affect Java code readability?” **Empirical Software Engineering (EMSE)**. DOI: 10.1007/s10664-024-10460-w
- J.47 2023 Wessel, M., Vargovich, J., Gerosa, M.A., Treude, C., “GitHub Actions: The Impact on the Pull Request Process”, **Empirical Software Engineering (EMSE)**. DOI: 10.1007/s10664-023-10369-w
- J.46 Santos, F., Vargovich, J., Trinkenreich, B., Santos, I., Penney, J., Britto, R., Pimentel, J.F., Wiese, I., Steinmacher, I., Sarma, A., Gerosa, M.A., “Tag that issue: Applying API-domain labels in issue tracking systems”, **Empirical Software Engineering (EMSE)**. DOI: 10.1007/s10664-023-10329-4
- J.45 Wessel, M., Zaidman, A., Gerosa, M.A., Steinmacher, I., “Guidelines for Developing Bots for GitHub”, **IEEE Software**. DOI: 10.1109/MS.2022.3224813
- J.44 Venturini, D., Cogo, F., Polato, I., Gerosa, M.A., Wiese, I., “I depended on you and you broke me: Empirical Study of breaking changes in minor and patch releases”, **ACM Transactions on Software Engineering and Methodology (TOSEM)**. DOI: 10.1145/3576037
- J.43 2022 Trinkenreich, B., Wiese, I., Sarma, A., Gerosa, M.A., Steinmacher, I., “Women's Participation in Open Source Software: A Survey of the Literature”, **ACM Transactions on Software Engineering and Methodology (TOSEM)**. DOI: 10.1145/3510460
- J.42 Wessel, M., Serebrenik, A., Wiese, I., Steinmacher, I., Gerosa, M.A., “Quality Gatekeepers: Investigating the Effects of Code Review Bots on Pull Request Activities”, **Empirical Software Engineering (EMSE)**. DOI: 10.1007/s10664-022-10130-9
- J.41 Calefato, F., Gerosa, M.A., Iaffaldano, G., Lanubile, F., Steinmacher, I., “Will You Come Back to Contribute? Investigating the Inactivity of OSS Core Developers in GitHub”, **Empirical Software Engineering (EMSE)**, 27:76. DOI: 10.1007/s10664-021-10012-6
- J.40 2021 Trinkenreich, B., Guizani, M., Wiese, I., Conte, T., Gerosa, M.A., Sarma, A., Steinmacher, I., “Pots of Gold at the End of the Rainbow: What is Success for Open Source Contributors?”, **IEEE Transactions on Software Engineering (TSE)**. DOI: 10.1109/TSE.2021.3108032

- J.39 Chaves, A.P., Egbert, J., Hocking, T., Doerry, E., Gerosa, M.A., "Chatbots language design: the influence of language variation on user experience with tourist assistant chatbots", **ACM Transactions on Computer-Human Interaction (TOCHI)**. DOI: 10.1145/3487193
- J.38 Steinmacher, I., Balali, S., Trinkenreich, B., Guizani, M., Izquierdo-Cortazar, D., Zambrano, G.G.C., Gerosa, M.A., Sarma, A., "Being a Mentor in Open Source Projects", **Journal of Internet Services and Applications (JISA)**, Vol 12(7), DOI: 10.1186/s13174-021-00140-z
- J.37 Kula, R.G., Treude, C., Hata, H., Baltes, S., Steinmacher, I., Gerosa, M.A., Amini, W.K., "Challenges for Inclusion in Software Engineering: The Case of the Emerging Papua New Guinean Society", **IEEE Software**. DOI: 10.1109/MS.2021.3098116
- J.36 Chaves, A., Gerosa, M.A., "How should my chatbot interact? A survey on social characteristics in human-chatbot interaction design", **International Journal of Human-Computer Interaction**. Vol 37(2), pp 729-758, DOI: 10.1080/10447318.2020.1841438
- J.35 2020 Padala, S.H., Mendez, C.J., Dias, L.F., Steinmacher, I., Hanson, Z.S., Hilderbrand, C., Horvath, A., Hill, C., Simpson, L.D., Burnett, M., Gerosa, M.A., Sarma, A., "How Gender-biased Tools Shape Newcomer Experiences in OSS Projects," **IEEE Transactions on Software Engineering (TSE)**. DOI: 10.1109/TSE.2020.2984173
- J.34 Silva, I., Steinmacher, I., German, D., Treude, C., Gerosa, M.A., "Google Summer of Code: Student Motivations and Contributions", **Journal of Systems and Software (JSS)**, V. 162, April 2020, 110487. DOI: 10.1016/j.jss.2019.110487
- J.33 2019 Lima, D.P.R., Gerosa, M.A., Conte, T., Netto, J.F.M., "What to expect, and how to improve online discussion forums: the instructors' perspective", **Journal of Internet Services and Applications (JISA)**, 10(22), DOI: 10.1186/s13174-019-0120-0
- J.32 Carvalho, S., Aniche, M., Verissimo, J., Durelli, R.S., Gerosa, M.A., "An Empirical Catalog of Code Smells for the Presentation Layer of Android Apps," **Empirical Software Engineering (EMSE)**, V. 24, pp. 3546-3586. DOI: 10.1007/s10664-019-09768-9
- J.31 Wiese, I., Kuroda, R.T., Steinmacher, I., Oliva, G., Re, R., Treude, C., Gerosa, M.A., "Pieces of contextual information suitable for predicting co-changes? An empirical study", **Software Quality Journal**, 27(4), 1481-1503. DOI: 10.1007/s11219-019-09456-3
- J.30 Steinmacher, I., Redmiles, D., Conte, T., Gerosa, M.A., "Overcoming Social Barriers when Contributing to Open Source Software Projects," **Journal of Computer Supported Cooperative Work (JCSCW)**, V. 28, Issue 1-2, pp. 247-290, Springer. DOI: 10.1007/s10606-018-9335-z
- J.29 Steinmacher, I., Treude, C., Gerosa, M.A., "Let me in: Guidelines for the Successful Onboarding of Newcomers to Open Source Projects", **IEEE Software**, V. 36(4). DOI: 10.1109/MS.2018.110162131
- J.28 2018 Balali, S., Steinmacher, I., Annamalai, U., Sarma, A., Gerosa, M.A., "Newcomers' Barriers... Is That All? An Analysis of Mentors' and Newcomers' Barriers," **Journal of Computer Supported Cooperative Work (JCSCW)**, 27: 679, Springer. DOI: 10.1007/s10606-018-9310-8
- J.27 Pinto, G., Steinmacher, I., Dias, F.D., Gerosa, M.A., "On the Challenges of Open-Sourcing Proprietary Software Projects," **Empirical Software Engineering (EMSE)**, Springer, V. 23, pp. 3221-3247, DOI: 10.1007/s10664-018-9609-6
- J.26 Santana, E.F.Z., Chaves, A.P., Gerosa, M.A., Kon, F., Milojevic, D.S., "Software Platforms for Smart Cities: Concepts, Requirements, Challenges, and a Unified Reference Architecture", **ACM Computing Surveys (CSUR)**, Vol 50, Issue 6. DOI: 10.1145/3124391
- J.25 2017 Aniche, M., Bavota, G., Treude, C., Gerosa, M.A., van Deursen, A., "Code Smells for Model-View-Controller Architectures", **Empirical Software Engineering (EMSE)**, V. 23, pp. 2121-2157. DOI: 10.1007/s10664-017-9540-2

- J.24 Wiese, I., Ré, R., Steinmacher, I., Kuroda, R.T., Oliva, G., Treude, C., Gerosa, M.A., “Using contextual information to predict co-changes”, **Journal of Systems and Software (JSS)**, Elsevier, ISSN 0164-1212, V. 128, June 2017, pp. 220-235. DOI: 10.1016/j.jss.2016.07.016
- J.23 Bosse, Y., Gerosa, M.A., “Difficulties of Programming Learning from the Point of View of Students and Instructors”, **IEEE Latin American Transactions**, 15(11), ISSN 1548-0992. DOI: 10.1109/TLA.2017.8070426
- J.22 2016 Oliva, G., Gerosa, M.A., Kon, F., Smith, V., Milojevic, D.S. “A static change impact analysis approach based on metrics and visualizations to support the evolution of workflow repositories”, **International Journal of Web Services Research (IJWSR)**, 13(2), IGI Publishing, ISSN 1545-7362, p. 74-101. DOI: 10.4018/IJWSR.2016040105
- J.21 2015 Steinmacher, I., Silva, M.A.G., Gerosa, M.A., Redmiles, D., “A systematic literature review on the barriers faced by newcomers to open source software projects”, **Information and Software Technology (IST)**, Vol. 59, March 2015, Elsevier, ISSN 0950-5849, p. 67-85, DOI: 10.1016/j.infsof.2014.11.001
- J.20 Oliva, G., Silva, J.T., Gerosa, M.A., Santana, F.W., Werner, C., Souza, C.R.B., Oliveira, K.C.M., “Evolving the system's core: A case study on the identification and characterization of key developers in Apache Ant”, **Computing and Informatics (CAI)**, Vol. 34 Issue 3, p. 678-724. ISSN 1335-9150.
- J.19 Aniche, M., Gerosa, M.A. (2015). “Does test-driven development improve class design? A qualitative study on developers' perceptions”, **Journal of the Brazilian Computer Society (JBOS)**, Vol. 21, September, DOI: 10.1186/s13173-015-0034-z
- J.18 Wiese, I.S., Kuroda, R.T., Re, R., Bulhões, R., Oliva, G.A., Gerosa, M.A., “Do historical metrics and developers' communication aid to predict change couplings?”, **IEEE Latin American Transactions** (Special Edition, ACCA - CRIWG - ENIGMA), Vol. 13(6), June 2015, ISSN 1548-0992, p.1979-1988. DOI: 10.1109/TLA.2015.7164225
- J.17 Wiese, I.S., Nassif Jr., D., Ré, R., Steinmacher, I., Gerosa, M.A., “Comparing communication and development networks for predicting file change proneness: An exploratory study considering process and social metrics”, **Electronic Communications of the EASST**, Vol. 65, Special Issue for the Eighth International Workshop on Software Quality and Maintainability, Antwerp, Belgium, ISSN 1863-2122. DOI: 10.14279/tuj.eceasst.0.905
- J.16 2014 Steinmacher, I., Wiese, I., Schwerz, A.L., Ferreira, J.E., Gerosa, M.A., “Historical analysis of message contents to recommend issues to open source software contributors”, **Revista Eletrônica de Sistemas de Informação (RESI)**, Vol. 13, No. 02. DOI: 10.5329/RESI.2014.1302005
- J.15 2013 Chalco, G.C., Gerosa, M.A., Bittencourt, I.I., Isotani, S., “Automated instructional design for CSCL: A hierarchical task network planning approach”, **Expert Systems with Applications**, Vol. 41, Elsevier, ISSN 0957-4174, p. 3777-3798. DOI 10.1016/j.eswa.2013.12.016
- J.14 Steinmacher, I., Chaves, A.P., Gerosa, M.A., “Awareness support in distributed software development: A systematic review and mapping of the literature”, **Journal of Computer Supported Cooperative Work (JCSCW)**, Vol. 22, Issue 2, Springer Netherlands, ISSN: 0925-9724, p. 113-158. DOI: 10.1007/s10606-012-9164-4
- J.13 2012 Leite, L.A.F., Oliva, G.A., Nogueira, G.M., Gerosa, M.A., Kon, F., Milojevic, D., “A systematic literature review of service choreography adaptation”, **Service Oriented Computing and Applications (SOCA)**, Vol. 7, Springer London, ISSN 1863-238, p. 199-216, DOI 10.1007/s11761-012-0125-z
- J.12 2011 Issamy, V., Georgantas, N., Hachem, S., Zarras, A., Vassiliadis, P., Autili, M., Gerosa, M.A., Hamida, A.B., “Service-oriented middleware for the Future Internet: state of the art and research directions”, **Journal of Internet Services and Applications (JISA)**, Springer London, Vol. 2, ISSN 1867-4828, p. 23-45, DOI: 10.1007/s13174-011-0021-3
- J.11 2010 Gerosa, M.A., Filippo, D., Pimentel, M., Fuks, H., Lucena, C.J.P., “Is the unfolding of the group discussion off-pattern? Improving coordination support in educational forums using mobile devices”, **Computers and Education**, Vol. 54, Elsevier Science, ISSN 0360-1315, p. 528-544. DOI: 10.1016/j.compedu.2009.09.004

- J.10 2005 Fuks, H., Raposo, A.B., Gerosa, M.A., Lucena, C.J.P., "Applying the 3C Model to groupware development", **International Journal of Cooperative Information Systems (IJCIS)**, Vol. 14, No. 2-3, June-September, World Scientific, ISSN 0218-8430, p. 299-328. DOI: 10.1142/S0218843005001171
- J.9 Gerosa, M.A., Pimentel, M., Fuks, H., Lucena, C.J.P., "Component kits based on the 3C collaboration model for groupware development", **Revista Scientia**, Vol. 2, No. 16, July-December, ISSN 0104-1770, p. 85-96.
- J.8 Fuks, H., Gerosa, M.A., Pimentel, M., Filippo, D., Lucena, C.J.P., "Informações Estatísticas e Visuais para a Mediação de Fóruns Educacionais", **Brazilian Journal of Computers in Education (RBIE)**, Vol. 13, No. 3, September-November, ISSN 1414-5685, Sociedade Brasileira de Computação, p. 19-32.
- J.7 2004 Fuks, H., **Gerosa, M.A.**, Raposo, A.B., Lucena, C.J.P., "O Modelo de Colaboração 3C no Ambiente AulaNet", **Informática na Educação: Teoria e Prática (RIE)**, Vol. 7, No. 1, Porto Alegre, UFRGS, ISSN 1516-084, p. 25-48, DOI: 10.22456/1982-1654.4938
- J.6 2003 Gerosa, M.A., Fuks, H., Lucena, C.J.P., "Analysis and design of awareness elements in collaborative digital environments: A case study in the AulaNet learning environment", **The Journal of Interactive Learning Research (JILR)**, Vol. 14, No. 3, AACE, USA, ISSN 1093-023X, p. 315-332.
- J.5 Gerosa, M.A., Fuks, H., Lucena, C.J.P., "Suporte à Percepção em Ambientes de Aprendizagem Colaborativa", **Brazilian Journal of Computers in Education (RBIE)**, Vol. 11, No. 2, July/December, ISSN 1414-5685, Sociedade Brasileira de Computação, p. 75-85.
- J.4 2002 Fuks, H., Gerosa, M.A., Lucena, C.J.P., "The development and application of distance learning courses on the Internet", **Open Learning Journal**, Vol. 17, No. 1, February, Cartafax Pub, ISSN 0268-0513, p. 23-38. DOI: 10.1080/02680510120110157
- J.3 2001 Fuks, H., Gerosa, M.A., Lucena, C.J.P., "Usando a Categorização e Estruturação de Mensagens Textuais em Cursos pelo Ambiente AulaNet", **Brazilian Journal of Computers in Education (RBIE)**, Vol. 10, No. 1, April, ISSN 1414-5685, Sociedade Brasileira de Computação, p. 31-44.
- J.2 Gerosa, M.A., Fuks, H., Lucena, C.J.P., "Tecnologias de Informação Aplicadas à Educação: Construindo uma Rede de Aprendizagem Usando o Ambiente AulaNet", **Informática na Educação: Teoria e Prática (RIE)**, Vol. 4, No. 2, December, ISSN 1516-084X, UFRGS, p. 63-74.
- J.1 Fuks, H., Gerosa, M.A., Lucena, C.J.P., "Sobre o Desenvolvimento e Aplicação de Cursos Totalmente a Distância na Internet", **Brazilian Journal of Computers in Education (RBIE)**, No. 9, September, ISSN 1414-5685, Sociedade Brasileira de Computação, p. 61-75.

3.1.2. Book Chapters (14)

- B.14 2026 Gerosa, M.A., Treude, C., "Facilitating Human-AI Collaborations in the IDE: An Interaction Playbook", in: **From Integrated to Smarter Development Environments**, Kula, R., Hu, X., Xia, X., Treude, C., (orgs).
- B.13 2024 Trinkenreich, B., Gerosa, M.A., Sarma, A., Steinmacher, I., "Breaking the glass floor for women in tech", in: **Equity, Diversity, and Inclusion in Software Engineering: Best Practices and Insights**, Damian, D., Blincoe, K., Ford, D., Serebrenik, Masood, Z. (orgs), Apress, ISBN 1484296508, DOI: 10.1007/978-1-4842-9651-6_4
- B.12 Chaves, A.P., van Hooijdonk, C., Liebrecht, C., Guerino, G.C., Candello, H., Lee, M., Kraus, M., Gerosa, M.A., "Conversational Agents", in: **Human-Computer Interaction Foundations and Advances**, Stephanidis, C., Salvendy, G. (orgs), CRC Press, ISBN 9781032750842.
- B.11 2015 Oliva, G.A., Gerosa, M.A., "Change coupling between software artifacts: learning from past changes", in: **The Art and Science of Analyzing Software Data**, Christian Bird, Tim Menzies, Thomas Zimmermann (eds.), Elsevier, ISBN 978-0124115194. DOI: 10.1016/B978-0-12-411519-4.00011-2
- B.10 2011 Gerosa, M.A., Steinmacher, I., "Componentes de Software para Sistemas Colaborativos", in: **Sistemas Colaborativos (Collaborative Systems)**, Pimentel, M. & Fuks, H. (orgs), Campus, Elsevier, ISBN 978-85-352-4669-8, p. 363-375.

- B.9 Fuks, H., Raposo, A., Gerosa, M.A., Pimentel, M., Filippo D., Lucena, C.J.P., “Teorias e modelos de colaboração”, in: **Sistemas Colaborativos** (Collaborative Systems), Pimentel, M. & Fuks, H. (orgs), Campus, Elsevier, ISBN 978-85-352-4669-8, p. 16-33.
- B.8 Pimentel, M., Gerosa, M.A., Fuks, H., “Sistemas de comunicação para colaboração”, in: **Sistemas Colaborativos** (Collaborative Systems), Pimentel, M. & Fuks, H. (orgs), Campus, Elsevier, ISBN 978-85-352-4669-8, p. 65-93.
- B.7 2007 Fuks, H., Raposo, A., Gerosa, M.A., Pimentel, M., Lucena, C.J.P., “The 3C collaboration model”, in: **The Encyclopedia of E-Collaboration**, Ned Kock (org), ISBN 978-1-59904-000-4, p. 637-644, DOI: 10.4018/978-1-59904-000-4.ch097
- B.6 Lucena, C.J.P., Fuks, H., Raposo, A.B., Gerosa, M.A., Pimentel, M., “Communication, coordination and cooperation in computer-supported learning: The AulaNet experience”, in: **Advances in Computer-Supported Learning**, Chapter XII, F.M.M. Neto & F. Brasileiro (orgs), ISBN 1-59904-356-4, p. 274-297. DOI: 10.4018/9781599043555.ch012.ch000
- B.5 2006 Fuks H., Pimentel, M., Gerosa, M.A., Fernandes, M.C.P., Lucena, C.J.P., “Novas Estratégias de Avaliação Online: Aplicações e Implicações em um Curso totalmente a Distância através do Ambiente AulaNet”, in: **Avaliação da Aprendizagem em Educação Online** (Evaluation in Online Education), Marco Silva e Edméa Santos (orgs), ISBN 85-15-03216-3. São Paulo: Loyola, p. 369-385.
- B.4 2003 Fuks H., Gerosa, M.A., Lucena, C.J.P., “Using the AulaNet learning environment to implement collaborative learning via Internet”, in: **Innovations 2003 - World Innovations in Engineering Education and Research**, ed. Aung et al., iNEER, USA, 2003, Chap. 23, ISBN 0-9741252-0-2, p. 225-235.
- B.3 Fuks H., Cunha, L.M., Gerosa, M.A., Lucena, C.J.P., “Participação e Avaliação no Ambiente Virtual AulaNet da PUC-Rio,” in: Silva, M. (ed.), **EaD Online: Teorias e Práticas** (Education online: theories and practices), Edições Loyola, Rio de Janeiro, ISBN 85-15-02822-0, Cap. 15, p. 231-254.
- B.2 Fuks, H., Gerosa, M.A., Pimentel, M., “Projeto de Comunicação em Groupware: Desenvolvimento, Interface e Utilização”, XXII Jornadas de Atualização em Informática (**XXII Informatics Update Journey**), XXIII Congresso da Sociedade Brasileira de Computação, Vol. 2, Chap. 7, ISBN 85-88442-59-0, p. 295-338.
- B.1 2002 Fuks, H., Raposo, A.B., Gerosa, M.A., “Engenharia de Groupware: Desenvolvimento de Aplicações Colaborativas”, XXI Jornadas de Atualização em Informática (**XXI Informatics Update Journey**), XXII Congresso da Sociedade Brasileira de Computação, v. 2, Chap. 3, ISBN 85-88442-24-8, p. 89-128.

3.1.3. Refereed Full-Length Paper Proceedings Publications (188)

- C.188 2026 Correia, J., Coutinho, D., Castelluccio, M., Barbosa, C., Steinmacher, I., Gerosa, M.A., Garcia, A., Mello, R., Sarma, A., “A Comparison of Conversational Models and Humans in Answering Technical Questions: the Firefox Case”, 48th IEEE/ACM International Conference on Software Engineering (**ICSE 2026**). DOI: 10.1145/3744916.3773170.
- C.187 Oliveira, P., Conte, T., Gerosa, M.A., Steinmacher, I., “Governance in Practice: How Open Source Projects Define and Document Roles”, 19th International Conference on Cooperative and Human Aspects of Software Engineering (**CHASE 2026**). [**Distinguished paper award**]
- C.186 Etchie, M.P., Gerosa, M.A., Steinmacher, I., & Smallwood, K. (2026). “Teaching OSS contribution through a GitHub bot”, 38th IEEE Conference on Software Engineering Education and Training (**CSEE&T 2026**).
- C.185 Mäntylä, M., Matsubara, P., Felizardo, K., Kuutiala, M., Gerosa, M.A., Sampaio, S. S., Conte, T., & Steinmacher, I., “Understanding LLMs in Title-Abstract Screening: From Disagreements to Recommendations”, 52nd Euromicro Conference Series on Software Engineering and Advanced Applications (**SEAA 2026**).
- C.184 Acharya, P., Conte, T., Penney, J., Oliveira, P., Etchie, M.P., Duval, J., Gadelha, B., Gerosa, M.A., Steinmacher, I. “Shh! Don’t Tell Them I Use GenAI: Exploring How Participants Use Generative AI in Hackathons,” 2nd Workshop on Human-Centered AI for Software Engineering (**HumanAISE 2026**), co-located with the ACM International Conference on the Foundations of Software Engineering (FSE 2026).

- C.183 **2025** Choudhuri, R., Trinkenreich, B., Pandita, R., Kalliamvakou, E., Steinmacher, I., Gerosa, M.A., Sanchez, C., Sarma, A., “What Guides Our Choices? Modeling Developers' Trust and Behavioral Intentions Towards GenAI”, 47th IEEE/ACM International Conference on Software Engineering (**ICSE 2025**). DOI: 10.1109/ICSE55347.2025.00087
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- C.181 Santos, I., Felizardo, K., Trinkenreich, B., German, D., Steinmacher, I., Gerosa, M.A., “Exploring the Untapped: Student Perceptions and Participation in OSS”, ACM International Conference on the Foundations of Software Engineering (**FSE 2025**), Software Engineering Education Track. DOI: 10.1145/3696630.3727243
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- C.179 Choudhuri, R., Ramakrishnan, A., Chatterjee, A., Trinkenreich, B., Steinmacher, I., Gerosa, M.A., Sarma, A., “Insights from the Frontline: GenAI Utilization Among Software Engineering Students”, 37th Conference on Software Engineering Education and Training (**CSEET 2025**). DOI: 10.1109/CSEET66350.2025.00007
- C.178 Santos, I., Felizardo, K.R., Sarma, A., Steinmacher, I., Gerosa, M.A., “OSSDoorway: A Gamified Environment to Scaffold Student Contributions to Open Source Software”, 37th Conference on Software Engineering Education and Training (**CSEET 2025**). DOI: 10.1109/CSEET66350.2025.00041
- C.177 Feng, Z., Steinmacher, I., Gerosa, M.A., Menezes, T., Serebrenik, A., Milewicz, R., Sarma, A., “The Multifaceted Nature of Mentoring in OSS: Strategies, Qualities, and Ideal Outcomes”, 18th International Conference on Cooperative and Human Aspects of Software Engineering (**CHASE 2025**). DOI: 10.1109/CHASE66643.2025.00031
- C.176 Treude, C., Gerosa, M.A., “How Developers Interact with AI: A Taxonomy of Human-AI Collaboration in Software Engineering”, 2nd Conference on AI Foundation Models and Software Engineering (**FORGE 2025**). DOI: 10.1109/Forge66646.2025.00033
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- C.168 Steinmacher, I., Penney, J., Felizardo, K., Garcia, A., Gerosa, M.A., “Can ChatGPT emulate humans in software engineering surveys?”, 8th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (**ESEM 2024**). DOI: 10.1145/3674805.369074

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- C.166 Correia, J., Coutinho, D., Barbosa, C., Garcia, A., Mello, R., Pereira, J.A., Klewerton, W., Steinmacher, I., Gerosa, M.A., Souza, J., Arriel, J., Oliveira, A., “On the Investigation of Exception Pull Request Characteristics: Exploring the Apache Ecosystem”, IEEE International Conference on Source Code Analysis & Manipulation (**SCAM 2024**). DOI: 10.1109/SCAM63643.2024.00023
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- C.163 Trinkenreich, B., Stol, K., Sarma, A., German, D., Gerosa, M.A., Steinmacher, I., “Do I Belong? Modeling Sense of Virtual Community Among Linux Kernel Contributors”, 45th IEEE/ACM International Conference on Software Engineering (**ICSE 2023**). DOI: 10.1109/ICSE48619.2023.00038 [**ACM SIGSOFT Distinguished Paper Award**]
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- C.161 Santos, I., Pimentel, J.F., Wiese, I., Steinmacher, I., Sarma, A., Gerosa, M.A., “Designing for Cognitive Diversity: Improving the GitHub Experience”, 45th IEEE/ACM International Conference on Software Engineering, Software Engineering in Society (**ICSE SEIS 2023**) DOI: 10.1109/ICSE-SEIS58686.2023.00007
- C.160 Santos, F., Penney, J., Pimentel, J.F., Wiese, I., Steinmacher, I., Gerosa, M.A., “Tell Me Who Are You Talking to and I Will Tell You What Issues Need Your Skills”, International Conference on Mining Software Repositories (**MSR 2023**). DOI: 10.1109/MSR59073.2023.00087
- C.159 Feng, Z., Guizani, M., Gerosa, M.A., Sarma, A., “The State of Diversity and Inclusion in Apache: A Pulse Check”, 16th International Conference on Cooperative and Human Aspects of Software Engineering (**CHASE 2023**). DOI: 10.1109/CHASE58964.2023.00024 [**30% acceptance rate**]
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- C.157 **2022** Wessel, M., Abdellatif, A., Wiese, I., Conte, T., Shihab, E., Gerosa, M.A., Steinmacher, I., “Bots for Pull Requests: The Good, the Bad, and the Promising”, ACM/IEEE 44th International Conference on Software Engineering (**ICSE 2022**). DOI: 10.1145/3510003.3512765 [**28.5% acceptance rate**]
- C.156 Trinkenreich, B., Britto, R., Gerosa, M.A., Steinmacher, I., “An Empirical Investigation on the Challenges Faced by Women in the Software Industry: A Case Study”, ACM/IEEE 44th International Conference on Software Engineering, SEIS - Software Engineering in Society (**ICSE SEIS 2022**). DOI: 10.1145/3510458.3513018 [**Best paper award**]
- C.155 Guizani, M., Trinkenreich, B., Castro-Guzman, A.A., Steinmacher, I., Gerosa, M.A., Sarma, A., “Perceptions of the State of D&I and D&I Initiative in the ASF”, ACM/IEEE 44th International Conference on Software Engineering, SEIS - Software Engineering in Society (**ICSE SEIS 2022**). DOI: 10.1145/3510458.3513008
- C.154 Abdellatif, A., Wessel, M., Steinmacher, I., Gerosa, M.A., Shihab, E., “BotHunter: An Approach to Detect Software Bots in GitHub”, Mining Software Repositories Conference (**MSR 2022**). DOI: 10.1145/3524842.3527959 [**34% acceptance rate**]

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- C.152 Santos, I., Wiese, I., Steinmacher, I., Sarma, A., Gerosa, M.A., “Hits and Misses: Newcomers' ability to identify Skills needed for OSS tasks”, 29th IEEE International Conference on Software Analysis, Evolution and Reengineering (**SANER 2022**). DOI: 10.1109/SANER53432.2022.00032 [**36.2% acceptance rate**]
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- C.150 **2021** Gerosa, M.A., Wiese, I., Trinkenreich, B., Link, G., Robles, G., Treude, C., Steinmacher, I., Sarma, A., “The Shifting Sands of Motivation: Revisiting What Drives Contributors in Open Source”, ACM/IEEE 43rd International Conference on Software Engineering (**ICSE 2021**), DOI: 10.1109/ICSE43902.2021.00098. [**22.4% acceptance rate**]
- C.149 Wessel, M., Wiese, I., Steinmacher, I., Gerosa, M.A., “Don't Disturb Me: Challenges of Interacting with Software Bots on Open Source Software Projects”, 24th ACM Conference on Computer-Supported Cooperative Work and Social Computing (**CSCW 2021**). DOI: 10.1145/3476042
- C.148 Guizani, M., Chatterjee, A., Trinkenreich, B., May, M.E., Noa, G.J., Russell, L.J., Zambrano, G.G.C., Izquierdo-Cortazar, D., Steinmacher, I., Gerosa, M.A., Sarma, A., “The Long Road Ahead: Ongoing Challenges in Contributing to Large OSS Organizations and What to Do”, 24th ACM Conference on Computer-Supported Cooperative Work and Social Computing (**CSCW 2021**). DOI: 10.1145/3479551
- C.147 Kinsman, T., Wessel, M., Gerosa, M.A., Treude, C., “How Do Software Developers Use GitHub Actions to Automate Their Workflows?”, Mining Software Repositories Conference (**MSR 2021**), May 2021. DOI: 10.1109/MSR52588.2021.00054 [**34.3% acceptance rate**]
- C.146 Santos, F.M., Wiese, I., Trinkenreich, B., Steinmacher, I., Sarma, A., Gerosa, M.A., “Can I Solve it? Identifying the APIs required to complete OSS tasks”, Mining Software Repositories Conference (**MSR 2021**), May 2021. DOI: 10.1109/MSR52588.2021.00047 [**34.3% acceptance rate**]
- C.145 Chaves, A.P., Gerosa, M.A., “The impact of chatbot linguistic register on user perceptions: a replication study”, Fifth Workshop on Chatbot Research (**CONVERSATION 2021**). Lecture Notes in Computer Science, vol 13171. Springer, Cham. DOI: 10.1007/978-3-030-94890-0_9
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- C.144 **2020** Silva, J., Wiese, I., German, D., Treude, C., Gerosa, M.A., Steinmacher, I., “A Theory of the Engagement in Open Source Projects via Summer of Code Programs”, ACM Symposium on the Foundations of Software Engineering (**FSE 2020**). DOI: 10.1145/3368089.3409724 [**28% acceptance rate**]
- C.143 Wessel, M., Serebrenik, A., Wiese, I., Steinmacher, I., Gerosa, M.A., “Effects of Adopting Code Review Bots on Pull Requests to OSS Projects”, 36th IEEE International Conference on Software Maintenance and Evolution (**ICSME 2020**), Adelaide, Australia. DOI: 10.1109/ICSME46990.2020.00011 [**24.9% acceptance rate**] [**Best paper award**]
- C.142 Balali, S., Annamalai, U., Padala, S., Trinkenreich, B., Gerosa, M.A., Steinmacher, I., Sarma, A., “Recommending Tasks to Newcomers in OSS Projects: How Do Mentors Handle It?”, 16th International Symposium on Open Collaboration (**OpenSym 2020**). DOI: 10.1145/3412569.3412571 [**Best paper award**]
- C.141 Wessel, M., Serebrenik, A., Wiese, I., Steinmacher, I., Gerosa, M.A., “What to Expect from Code Review Bots on GitHub? A Survey with OSS Maintainers”, 34th Brazilian Symposium on Software Engineering (**SBES 2020**), Insightful Ideas and Emerging Results Track. DOI: 10.1145/3422392.3422459
- C.140 Martins, M.R., Gerosa, M.A., “CoNCRA: A Convolutional Networks Code Retrieval Approach”, 34th Brazilian Symposium on Software Engineering (**SBES 2020**), Insightful Ideas and Emerging Results Track. DOI: 10.1145/3422392.3422462
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- C.138 Bosse, Y., Redmiles, D., Gerosa, M.A., "Pedagogical Content for Professors of Introductory Programming Courses", 24th Annual Conference on Innovation and Technology in Computer Science Education (**ITICSE 2019**), 429-435. DOI: 10.1145/3304221.3319776
- C.137 Bosse, Y., Redmiles, D., Gerosa, M.A., "Connections and Influences Among Topics of Learning How to Program", 49th Annual Frontiers in Education (**FIE 2019**) Conference, Cincinnati. DOI: 10.1109/FIE43999.2019.9028393
- C.136 Wessel, M., Steinmacher, I., Wiese, I., Gerosa, M.A., "Should I Stale or Should I Close? An Analysis of a Bot that Closes Abandoned Issues and Pull Requests", First Workshop on Bots in Software Engineering (**BotSE 2019**), 41st International Conference on Software Engineering, Montreal, Canada. DOI: 10.1109/BotSE.2019.00018
- C.135 Chaves, A.P., Egbert, J., Gerosa, M.A., "Chatting like a robot: the relationship between linguistic choices and users' experiences", **ACM CHI Workshop on Conversational Agents: Acting on the Wave of Research and Development**, Glasgow, 2019.
- C.134 Iaffaldano, G., Steinmacher, I., Calefato, F., Gerosa, M.A., Lanubile, F., "Why do developers take breaks from contributing to OSS projects? A preliminary analysis", 2nd International Workshop on Software Health (**SoHeal 2019**), 41st International Conference on Software Engineering, Montreal, Canada. DOI: 10.1109/SoHeal.2019.00009
- C.133 Martins, M.R., Gerosa, M.A., "Um estudo preliminar sobre o uso de uma arquitetura deep learning para seleção de respostas no problema de recuperação de código-fonte", VII Workshop on Software Visualization, Evolution and Maintenance (**VEM 2019**), Salvador, Brasil. DOI: 10.5753/vem.2019.7589
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- C.132 **2018** Steinmacher, I., Pinto, G., Wiese, I., Gerosa, M.A., "Almost There: A Study on Quasi-Contributors in Open-Source Software Projects", 40th International Conference on Software Engineering (**ICSE 2018**), Gothenburg, Sweden. DOI: 10.1145/3180155.3180208 [**20.9% acceptance rate**]
- C.131 Aniche, M., Treude, T., Steinmacher, I., Wiese, I., Pinto, G.H.L., Storey, M., Gerosa, M.A., "How Modern News Aggregators Help Development Communities Shape and Share Knowledge", 40th International Conference on Software Engineering (**ICSE 2018**), Gothenburg, Sweden. DOI: 10.1145/3180155.3180180 [**20.9% acceptance rate**]
- C.130 Chaves, A.P., Gerosa, M.A., "Single or Multiple Conversational Agents? An Interactional Coherence Comparison", ACM CHI Conference on Human Factors in Computing Systems (**CHI 2018**), Montreal, Canada. DOI: 10.1145/3173574.3173765 [**25.7% acceptance rate**]
- C.129 Wessel, M., Souza, B.M., Steinmacher, I., Wiese, I., Polato, I., Chaves, A.P., Gerosa, M.A., "The Power of Bots: Understanding Bots in OSS Projects", 21st ACM Conference on Computer-Supported Cooperative Work and Social Computing (**CSCW 2018**), Jersey City. DOI: 10.1145/3274451
- C.128 Santos, R.M., Gerosa, M.A., "Impacts of Coding Practices on Readability", 26th International Conference on Program Comprehension (**ICPC 2018**), Gothenburg, Sweden. DOI: 10.1145/3196321.3196342
- C.127 Bertholdo, A.P.O., Melo, C.O., Rozestraten, A.S., Gerosa, M.A., "Relations between actions performed by users and their engagement", International Conference on Collaboration and Technology (**CRIWG 2018**), Costa de Caparica, Portugal, September 5-7, 2018. DOI: 10.1007/978-3-319-99504-5_17
- C.126 Bertholdo, A.P.O., Melo, C.O., Rozestraten, A.S., Gerosa, M.A., O'Brien, H.L., "User engagement in an open collaboration community after the insertion of a game design element: an online field experiment", 24th Americas Conference on Information Systems (**AMCIS 2018**), New Orleans, USA, August 16-18.
- C.125 Lima, D.P.R., Gerosa, M.A., Netto, J.F., "Using awareness information to enhance online discussion forums: A systematic mapping study", IEEE Frontiers in Education Conference (**FIE 2018**), San Jose, California, USA, October 3-6. DOI: 10.1109/FIE.2018.8658487
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- C.124 Pinto, G., Steinmacher, I., Gerosa, M.A., “Leaving Behind the Software History When Transitioning to Open-Source: Reasons and Implications,” 14th International Conference on Open Source Systems (**OSS 2018**), Athens, Greece. DOI: 10.1007/978-3-319-92375-8_5
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- C.123 **2017** Silva, J., Wiese, I.S., German, D., Steinmacher, I., Gerosa, M.A., “How Long and How Much: What to Expect from Summer of Code Participants?”, 33rd International Conference on Software Maintenance and Evolution (**ICSME 2017**), Shanghai, China. DOI: 10.1109/ICSME.2017.81 [27.8% acceptance rate]
- C.122 Diniz, G.C., Silva, M.A.G., Gerosa, M.A., Steinmacher, I., “Using Gamification to Orient and Motivate Students to Contribute to OSS projects”, 10th International Workshop on Cooperative and Human Aspects of Software Engineering (**CHASE 2017**), International Conference on Software Engineering (ICSE), Buenos Aires, Argentina. DOI: 10.1109/CHASE.2017.7
- C.121 Wessel, M., Aniche, M., Oliva, G., Gerosa, M.A., Wiese, I., “Tweaking Association Rules to Optimize Software Change Recommendations,” 31st Brazilian Symposium on Software Engineering (**SBES 2017**), Fortaleza, Brazil, September 18-22. DOI: 10.1145/3131151.3131163 [33% acceptance rate].
- C.120 Silva, J., Wiese, I., Steinmacher, I., Gerosa, M.A., “Students’ Engagement in Open Source Projects: An Analysis of Google Summer of Code”, 31st Brazilian Symposium on Software Engineering (**SBES 2017**), Fortaleza, Brazil, September 18-22. DOI: 10.1145/3131151.3131156 [33% acceptance rate].
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- C.119 **2016** Steinmacher, I., Conte, T.; Treude, C., Gerosa, M.A., “Overcoming Open Source Project Entry Barriers with a Portal for Newcomers”, in: 38th ACM/IEEE International Conference on Software Engineering (**ICSE 2016**), Austin, USA. DOI: 10.1145/2884781.2884806 [19% acceptance rate].
- C.118 Aniche, M., Bavota, G., Treude, C., Deursen, A., Gerosa, M.A., “A Validated Set of Smells in Model-View-Controller Architectures”, in: 32nd IEEE International Conference on Software Maintenance and Evolution (**ICSME 2016**), Raleigh, North Carolina. DOI: 10.1109/ICSME.2016.12 [29% acceptance rate].
- C.117 Wiese, I.S., Steinmacher, I., Treude, C., Silva, J.T., Gerosa, M.A., “Who is who in the mailing list? Comparing six disambiguation heuristics to identify multiple addresses of a participant”, in: 32nd IEEE International Conference on Software Maintenance and Evolution (**ICSME 2016**), Raleigh, North Carolina. DOI: 10.1109/ICSME.2016.13. [29% acceptance rate].
- C.116 Pinto, G.H.L., Steinmacher, I., Gerosa, M.A., “More Common Than You Think: An In-Depth Study of Casual Contributors”, 23rd IEEE International Conference on Software Analysis, Evolution, and Reengineering (**SANER 2016**), Osaka, March 14-18, p.112-123. DOI: 10.1109/SANER.2016.68 [37% acceptance rate]
- C.115 Dias, F.D., Steinmacher, I., Pinto, G., Costa, D.A., Gerosa, M.A., “How Does the Shift to GitHub Impact Project Collaboration?”, 32nd IEEE International Conference on Software Maintenance and Evolution (**ICSME 2016**), **Early Research Achievements (ERA) Track**, Raleigh, North Carolina. DOI: 10.1109/ICSME.2016.78
- C.114 Sarma, A., Gerosa, M.A., Steinmacher, I., Leano, R. “Training the Future Workforce through Task Curation in an OSS Ecosystem”, ACM SIGSOFT International Symposium on the Foundations of Software Engineering (**FSE**), Visions and Reflections Track (FSE-VaR), Seattle, WA, USA, November 13-18, 2016. DOI: 10.1145/2950290.2983984 [26.5% acceptance rate]
- C.113 Aniche, M., Treude, C., Zaidman, A., Deursen, A., Gerosa, M.A., “SATT: Tailoring Code Metric Thresholds for Different Software Architectures”, IEEE International Working Conference on Source Code Analysis and Manipulation (**SCAM 2016**), October 2-3, 2016 - Raleigh, NC, U.S.A. DOI: 10.1109/SCAM.2016.19 [38% acceptance rate]
- C.112 Brandão, L., Bosse, Y., Gerosa, M.A., “Visual programming and automatic evaluation of exercises: an experience with a STEM course”, Frontiers in Education Conference (**FIE 2016**), Erie, PA, October, 2016. DOI: 10.1109/FIE.2016.7757621
- C.111 Bertholdo A.P.O., Kon F., Gerosa M.A., “Agile Usability Patterns for User-Centered Design Final Stages”, Human-Computer Interaction. Theory, Design, Development and Practice (**HCI 2016**), Lecture Notes in Computer Science, vol 9731, Springer, pp. 433-444. DOI: 10.1007/978-3-319-39510-4_40

- C.110 Bertholdo A.P.O., Gerosa M.A., “Promoting Engagement in Open Collaboration Communities by Means of Gamification”, *Human-Computer Interaction. Theory, Design, Development and Practice (HCI 2016)*, Communications in Computer and Information Science, vol 618, Springer, pp. 15-20. DOI: 10.1007/978-3-319-40542-1_3
- C.109 Aniche, M., Treude, C., Gerosa, M.A., “Developers' Perceptions on Object-Oriented Design and Architectural Roles”, in: 30th Brazilian Symposium on Software Engineering (**SBES 2016**), Maringá, Brazil, September 19-23. DOI: 10.1145/2973839.2973846 [18% acceptance rate].
- C.108 Silva, J., Steinmacher, I., Gerosa, M.A., “Os Programas de Engajamento em Software Livre Atraem Estudantes à Colaboração Voluntária? Um Estudo Empírico do Google Summer of Code”, 13th Brazilian Symposium on Collaborative Systems (**SBSC 2016**), Porto Alegre, September 05-07.
- C.107 Dias, L.F.D., Steinmacher, I., Wiese, I., Pinto, G., Costa, D.A., Gerosa, M.A., “Uma Análise Preliminar de Projetos de Software Livre que Migraram para o GitHub”, IV Workshop on Software Visualization, Evolution and Maintenance (**VEM 2016**), Brazilian Congress on Software, Maringá, September 2016.
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- C.106 2015 Steinmacher, I., Conte, T., Gerosa, M.A., Redmiles, D., “Social barriers faced by newcomers placing their first contribution in open source software projects,” in: 18th ACM Conference on Computer Supported Cooperative Work (**CSCW 2015**), Vancouver, March 14-18. DOI: 10.1145/2675133.2675215 [28.3% acceptance rate]
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- C.17 Gerosa, M.A., Pimentel, M., Fuks, H., Lucena, C.J.P., "Coordenação de Fóruns Educacionais: Encadeamento e Categorização de Mensagens," XIV Simpósio Brasileiro de Informática na Educação (**SBIE 2003**), Rio de Janeiro, November 12-14, p. 45-54.
- C.16 Fuks, H., Gerosa, M.A., Pimentel, M., Raposo, A.B., Mitchell, L.H.R.G., Lucena, C.J.P., "Evoluindo para uma Arquitetura de Groupware Baseada em Componentes: o Estudo de Caso do Learningware AulaNet," Anais eletrônico do 3^o Workshop de Desenvolvimento Baseado em Componentes (**WDBC 2003**), São Carlos, September 10-12.
- C.15 Fuks, H., Raposo, A.B., Gerosa, M.A., "Do Modelo de Colaboração 3C à Engenharia de Groupware," IX Simpósio Brasileiro de Sistemas Multimídia e Web, Trilha especial de Trabalho Cooperativo Assistido por Computador (**Webmidia 2003**), Salvador, November 03-06, p. 445-452.
- C.14 Mitchell, L.H.R.G., Gerosa, M.A., Fuks, H., "Comparação da Resolução Colaborativa de Problemas em Sala de Aula e através do Ambiente AulaNet," IX Workshop de Informática na Escola (**WIE 2003**), Anais do XXIII Congresso da Sociedade Brasileira de Computação, Vol. 5, Campinas, August 2-8, p. 135-147.
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- C.9 Fuks, H., Raposo, A.B., Gerosa, M.A., "Engineering groupware for e-business," First Seminar on Advanced Research in Electronic Business (**EBR'2002**), Rio de Janeiro, November 7-8, p. 78-84.
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- C.4 Gerosa, M.A., Fuks, H., Lucena, C.J.P., "Elementos de percepção como forma de facilitar a colaboração em cursos via Internet," XII Simpósio Brasileiro de Informática na Educação (**SBIE 2001**), Vitória, November 21-23, p. 194-202.
- C.3 Cunha, L.M., Gerosa, M.A., Fuks, H., Lucena, C.J.P., "Desenvolvimento e aplicação de cursos totalmente a distância na Internet," VII Workshop de Informática na Escola (**WIE 2001**), Anais Eletrônicos do XXI Congresso da Sociedade Brasileira de Computação, Fortaleza, July 31 - August 2.
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- C.1 Gerosa, M.A., Cunha, L.M., Fuks, H., Lucena, C.J.P., "Um groupware baseado no ambiente AulaNet desenvolvido com componentes," Anais eletrônicos do 1º Workshop de Desenvolvimento Baseado em Componentes (**WDBC 2001**), Maringá, June 21-22.

3.1.4. Refereed Short-Paper Publications (38)

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- S.38 Ciziks, L., Meirelles, P., Gerosa, M.A., "Exploring Semantic Stability Across Reviews in the Linux Kernel", 14th Workshop on Software Visualization, Maintenance and Evolution (**VEM 2026**), Brazilian Congress on Software (CBSofit).

- S.37 **2025** Wiese, I., Boyer, J., Rasgorshek, E., Pinto, G., Gerosa, M.A., Steinmacher, I., Sharif, B., “How Developers Make Decisions When Choosing Issues and Reviewing Code: An Eye Tracking GitHub Study”, ACM Symposium on Eye Tracking Research & Applications (**ETRA 2025**). DOI: 10.1145/3715669.3723108
- S.36 Carter, B.C., Contreras, J.R., Llanes, C.A., Acharya, P., Utzerath, J., Farner, A.O., Jenkins, H., Johnson, D., Penney, J., Steinmacher, I., Gerosa, M.A., Santos, F., “SkillScope: A Tool to Predict Fine-Grained Skills Needed to Solve Issues on GitHub”, The 4th Intl. Workshop on NL-based Software Engineering (**NLBSE 2025**). DOI: 10.1109/NLBSE66842.2025.00007
- S.35 Felizardo, K., Deizepe, A., Coutinho, D., Gomes, G., Meireles, M., Gerosa, M.A., Steinmacher, I., “On the difficulties of conducting and replicating systematic literature reviews studies using LLMs in software engineering”, 2nd International Workshop on Methodological Issues with Empirical Studies in Software Engineering (**WSESE 2025**), 47th International Conference on Software Engineering (ICSE). DOI: 10.1109/WSESE66602.2025.00010
- S.34 Santos, I., Felizardo, K., Steinmacher, I., Gerosa, M.A., “Great power brings great responsibility: Personalizing Conversational AI for Diverse Problem-Solvers”, 18th International Conference on Cooperative and Human Aspects of Software Engineering (**CHASE 2025**). DOI: 10.1109/CHASE66643.2025.00019
- S.33 **2024** Aracena, G., Luster, K., Santos, F., Steinmacher, I., Gerosa, M.A., “Applying Large Language Models to Issue Classification”, Third ACM/IEEE International Workshop on NL-based Software Engineering (**NLBSE 2024**). DOI: 10.1145/3643787.3648043
- S.32 **2023** Vargovich, J., Santos, F., Penney, J., Gerosa, M.A., Steinmacher, I., “GiveMeLabeledIssues: An Open Source Issue Recommendation System”, IEEE/ACM 20th International Conference on Mining Software Repositories (MSR 2023), Data and Tool Showcase. DOI: 10.1109/MSR59073.2023.00061
- S.31 **2017** Pinto, G., Figueira Filho, F., Steinmacher, I., Gerosa, M.A., “Training Software Engineers using Open-Source Software: The Professors’ Perspective”, 30th Conference on Software Engineering Education and Training (**CSEET 2017**), Savannah, GA, USA, Nov 2017. DOI: 10.1109/CSEET.2017.27
- S.30 Robillard, M.P., Marcus, A., Treude, C., Bavota, G., Chaparro, O., Ernst, N., Gerosa, M.A., Godfrey, M., Lanza, M., Linares-Vásquez, M., Murphy, G.C., Moreno, L., Shepherd, D., Wong, E., “On-Demand Developer Documentation”, 33rd IEEE International Conference on Software Maintenance and Evolution (**ICSME 2017**), New Ideas and Emerging Results Track (NIER), Shanghai, September 17-24. DOI: 10.1109/ICSME.2017.17
- S.29 **2016** Bosse, Y., Gerosa, M.A., “Why is programming so difficult to learn?: Patterns of Difficulties Related to Programming Learning”, Doctoral Symposium, ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (**ESEM 2016**), ACM SIGSOFT Software Engineering Notes 41(6): 1-6. DOI: 10.1145/3011286.3011301
- S.28 Chaves, A.P., Steinmacher, I., Gerosa, M.A., “Por onde quero ir? Interesses pessoais na escolha de um trajeto urbano”, 13th Brazilian Symposium on Collaborative Systems (**SBSC 2016**), Porto Alegre, September 05-07. DOI: 10.5753/sbsc.2016.9504
- S.27 **2015** Chaves, A.P., Gerosa, M.A., “Using Collective Intelligence to Improve Urban Mobility in Smart Cities,” in: **Workshop on Doing CSCW Research in Latin American: Differences, Opportunities, Challenges, and Lessons Learned**, 18th ACM conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2015), Vancouver, March 14-18. DOI: 10.1109/ISC2.2015.7366159
- S.26 Barros, L. N., Gerosa, M.A., Wassermann, R., Souza, R. T., Yucra, M. S., “Da Folksonomia para formatos da Web Semântica: Um estudo exploratório no Sistema Arquigrafia,” in: XII Simpósio Brasileiro de Sistemas Colaborativos (**SBSC 2015**), Salvador, November 3-6.
- S.25 **2014** Steinmacher, I., Gerosa, M.A. (2014), “Choosing an appropriate task to start with in open source software communities: A hard task,” in: 20th International Conference on Collaboration and Technology (**CRWIG 2014**), Santiago, September 7-10, p. 1-8. DOI: 10.1007/978-3-319-10166-8_31
- S.24 Steinmacher, I., Gerosa, M.A., “How to support newcomers onboarding to open source software projects,” 10th International Conference on Open Source Systems (**OSS 2014**), IFIP Advances in Information and Communication Technology, San José, Costa Rica, May 6-9, 427, p. 199- 201. DOI: 10.1007/978-3-642-55128-4_29

- S.23 **2013** Sokol, F.Z., Aniche, M.F., Gerosa, M.A., "MetricMiner: Supporting researchers in mining software repositories," in: 13th IEEE International Working Conference on Source Code Analysis and Manipulation (**SCAM 2013**), Eindhoven, September 22-23, p. 142-146. DOI: 10.1109/SCAM.2013.6648195.
- S.22 Campiolo, R., Santos, L.A.F., Gerosa, M.A., Batista, D.M., "Evaluating the utilization of twitter messages as a source of security alerts," Proceedings of the ACM Symposium on Applied Computing (**SAC 2013**), Coimbra, March 18-23. DOI: 10.1145/2480362.2480542
- S.21 Rozestraten, A.S., Chou, A., Valentini, S., Gerosa, M.A., Reganati, G., Valente, C., Silva, T.F., Claro, R., "Smart Audio City Guide: um sistema colaborativo para apoio ao deslocamento urbano de pessoas com deficiência visual," in: 10th Brazilian Symposium on Collaborative Systems (**SBSC 2013**), Manaus, October 08-11.
- S.20 **2012** Matsui, A.A.M., Michalsky, S., Gerosa, M.A., "Using virtual machine security to reinforce components constraints," 38th Euromicro Conference on Software Engineering and Advanced Applications (**SEAA 2012**), Izmir, Turkey, September 5-8. DOI: 10.1109/SEAA.2012.72
- S.19 Santana, F., Oliva, G.A., Gerosa, M.A., Souza, C.R.B., "Understanding complex software ecosystems: the role of core-periphery identification," The Future of Collaborative Software Development Workshop (**FutureCSD**), International ACM Conference on Computer Supported Cooperative Work (CSCW), Seattle, Feb 2012.
- S.18 Oliva, G.A., Gerosa, M.A., "A method for the identification of logical dependencies," in: Doctoral Colloquium, 7th IEEE International Conference on Global Software Engineering Workshop (**ICGSEW 2012**), Porto Alegre, August 27-30. DOI: 10.1109/ICGSEW.2012.19
- S.17 Scherz, A., Liberato, R., Wiese, I., Steinmacher, I., Gerosa, M.A., Ferreira, J.E., "Prediction of developer participation in issues of open source projects," IX Brazilian Symposium on Collaborative Systems (**SBSC 2012**), São Paulo, October 15-18. DOI: 10.1109/SBSC.2012.27
- S.16 Calvão, L., Pimentel, M., Fuks, H., Gerosa, M.A., "A taxonomy of computer mediated conversation," IX Brazilian Symposium on Collaborative Systems (**SBSC 2012**), São Paulo, October 15-18. DOI: 10.1109/SBSC.2012.21
- S.15 **2011** Moraes, G., Gerosa, M.A., "Semi-automatic sentiment analysis: results from a case study in Portuguese Web 2.0 sites," IADIS International Conference WWW/Internet (**ICWI 2011**), Rio de Janeiro, November 5, p. 443-447.
- S.14 Mamani, E.Z.S., Gerosa, M.A., "Cálculo de Reputação em Redes Sociais," Workshop de Teses e Dissertações, 8th Brazilian Symposium on Collaborative Systems (**SBSC 2011**), Parati, October 5-7, ISBN 9788576692546, p. 84-87.
- S.13 Chaves, A.P., Wiese, I.S., Steinmacher, I., Baia, F., Costa, E.F., Moreschi, K., Jupi, C., Gerosa, M.A., "Adicionando informações de contexto de tarefa a uma ferramenta de chat síncrono para apoiar o desenvolvimento distribuído de software," 8th Brazilian Symposium on Collaborative Systems (**SBSC 2011**), Parati, October 5-7, ISBN 978-85-7669-254-6, p. 202-207.
- S.12 Fontoura, V.D., Steinmacher, I., Wiese, I.S., Gerosa, M.A., "Predição de falhas em projetos de software baseado em métricas de redes sociais de comunicação e cooperação," 8th Brazilian Symposium on Collaborative Systems (**SBSC 2011**), Parati, October 5-7, ISBN 9788576692546, p. 37-40.
- S.11 Michalsky, S., Gerosa, M.A., "Um modelo para o suporte computacional da inteligência coletiva na web," 8th Brazilian Symposium on Collaborative Systems (**SBSC 2011**), Parati, October 5-7, ISBN 9788576692546, p. 33-36.
- S.10 **2010** Gadelha, B., Cirilo, E., **Gerosa, M.A.**, Castro JR, A., Fuks, Hugo, Lucena, C.J.P., "An approach for developing component-based groupware product lines using the groupware workbench," 14th International Software Product Line Conference (**SPLC 2010**), Lecture Notes in Computer Science, Jeju Island, South Korea, Vol. 6287, ISSN 0302-9743, p. 446 - 450, DOI: 10.1007/978-3-642-15579-6_34
- S.9 Michalsky, S., Mamani, E.Z.S., Gerosa, M.A., "A Inteligência Coletiva na Web: Uma Análise de Domínio para o Jornalismo Online," Simpósio Brasileiro de Sistemas Multimídia e Web (**Webmedia 2010**), Belo Horizonte, October 5-8.

- S.8 Oliveira, L.S., Gerosa, M.A., “A domain engineering for content sharing collaborative features,” Simpósio Brasileiro de Sistemas Multimídia e Web (**WebMedia 2012**), Belo Horizonte, October 5-8. DOI: 10.1145/2382636.2382708
- S.7 Gadelha, B., Cirilo, E., Fuks, H., Lucena, C.J.P., Castro Jr., A., Gerosa, M.A., “An approach for developing component-based groupware product lines using groupware workbench,” Brazilian Symposium on Collaborative Systems (**SBSC 2010**), Belo Horizonte, October 5-8, DOI: 10.1109/SBSC.2010.13
- S.6 Rozestraten, A.S., Martinez, M.L., Michalsky, S., Silva, V.W.S., Braga, G.H., Munoz, C.L.H., Oliveira, L.S., Gerosa, M.A., “Rede Social Arquigrafia-Brasil: Design de um ambiente online baseado em transdisciplinaridade e colaboração,” VII Brazilian Symposium on Collaborative Systems (**SBSC 2010**), Belo Horizonte, October 5-8.
- S.5 Diana, M., Gerosa, M.A., “NOSQL na Web 2.0: Um Estudo Comparativo de Bancos Não-Relacionais para Armazenamento de Dados na Web 2.0,” Workshop de Teses e Dissertações em Banco de Dados - XXV Simpósio Brasileiro de Banco de Dados (**SBBDD 2010**), Belo Horizonte, October 5-8.
- S.4 Aniche, M.F., Gerosa, M.A., “Um Estudo sobre o Impacto de Test-Driven Development na Qualidade do Design de Software,” Workshop de Teses e Dissertações em Engenharia de Software - Simpósio Brasileiro de Engenharia de Software (**SBES 2010**), Salvador, September 27 - October 1.
- S.3 Oliva, G.A., Gerosa, M.A., “Um Método para Gerência de Dependências em Sistemas de Software Orientados a Objetos,” Workshop de Teses e Dissertações em Engenharia de Software - Simpósio Brasileiro de Engenharia de Software (**SBES 2010**), Salvador, September 27 - October 1.
- S.2 2009 Filippo, D., Gerosa, M.A., Pimentel, M., Fuks, H., Lucena, C.J.P., “Graphs, charts and notifications in mobile devices as a coordination support tool for forum mediators,” Workshop on Interaction Analysis and Visualization, Computer Supported Collaborative Learning (**CSCL 2009**), Rhodes, Greece, June 08-13.
- S.1 1998 Gerosa, M.A., “Sistema de apoio à educação baseado em tutores inteligentes,” VIII Jornada de Iniciação Científica e I Mostra do Programa Especial de Treinamento, UFES, Vitória, p. 68-69.

3.1.5. Edited Works (8)

- E.8 2022 Shihab, E., Wagner, S., Gerosa, M.A., Wessel, M. and Cabot, J., “The present and future of bots in software engineering”, **IEEE Software**, 2022. DOI: 10.1109/MS.2022.3176864
- E.7 2016 de Vreede, G.-J., Antunes, P., Vassileva, J., Gerosa, M.A., Wu, K. (orgs), “Special Issue on Collaboration Technology in Teams and Organizations”, **Information Systems Frontiers Journal**, 2016, ISSN 1387-3326, DOI: 10.1007/s10796-016-9632-3
- E.6 2015 Gerosa, M.A., Redmiles D., Bjørn P., Sarma A. (orgs), “Thematic series on software engineering from a social network perspective”, SpringerOpen **Journal of Internet Services and Applications (JISA)**. <http://www.springeropen.com/collections/SESNP> - DOI: 10.1186/s13174-015-0038-0
- E.5 2013 Antunes, P., Gerosa, M.A., Sylvester, A., Vassileva, J., de Vreede, G.-J. (orgs), “Proceedings of the 19th International Conference - CRIWG 2013”, **Lecture Notes in Computer Science**, Vol. 8224 - <http://www.springer.com/us/book/9783642413469>
- E.4 2011 Gerosa, M.A., Issarny, V., “Web Service Choreographies”, **IEEE Computing Now**, October/2011 - <http://www.computer.org/portal/web/computingnow/archive/october2011>
- E.3 2010 Gerosa, M.A., Hirata, C. (orgs) Proceedings of the 7th Brazilian Symposium on Collaborative Systems (**SBSC 2010**). SBC, Porto Alegre, Brazil. ISBN 978-0-7695-4239-3 <http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5692851>
- E.2 2007 Fuks, H., Salgado, A.C., Gerosa, M.A. (orgs), “Special Issue on Groupware”, **Scientia Journal**, Vol. 18, Number 02, ISSN 0104-1770, July-December.

- E.1 Salgado, A.C., Gerosa, M.A. (orgs) Proceedings of the 4th Brazilian Symposium on Collaborative Systems (**SBSC 2007**). SBC, Porto Alegre, Brazil. ISBN 85-7669-126-4.

3.1.6. Other Publications (Technical Reports, Monographs, Non-Refereed Papers, etc.) (32)

- O.32 Gerosa, M.A., Lawson, A., Hermansen, A., “2026 State of Tech Talent Report: Not a jobs crisis, but a skills crisis with an upskilling answer”, The Linux Foundation, May 2026
- O.31 Gerosa, M.A., Hermansen, A. “Economic and Workforce Impacts of AI in Latin America: A Review of Industry, Academic, and Open Source Evidence,” The Linux Foundation, December 2025.
- O.30 Gerosa, M.A., Lawson, A., “State of Open Source Japan 2025”, The Linux Foundation, December 2025.
- O.29 Gerosa, M.A., Lawson, A., “The State of Global Open Source 2025”, The Linux Foundation, October 2025.
- O.28 Hermansen, A., Gerosa, M.A., “The Value of AI for Africa, the Middle East, and Türkiye: A Review of Industry, Academic, and Open Source Evidence”, Linux Foundation Research, September 2025.
- O.27 Gerosa, M.A., Hermansen, A., Lai, A., Lawson, A., “The State of Sovereign AI: Exploring the Role of Open Source Projects and Global Collaboration in Global AI Strategy”, Linux Foundation Research, August 2025.
- O.26 Gerosa, M.A., Lawson, A., “2025 State of Tech Talent: Truth vs. Vibe: The Not So Disruptive Workforce Impact of AI,” Linux Foundation Research, June 2025.
- O.25 Burson, J., Gerosa, M.A., “The State of Open Standards: Standardization and Patents in Organizations,” Foreword by Melissa Evers, Linux Foundation Research, March 2025.
- O.24 Lawson, A., Hendrick, S., Rausch, N., Sica, J., Gerosa, M.A., “Shaping the Future of Generative AI: The Impact of Open Source Innovation,” Linux Foundation Research, November 2024.
- O.23 Gerosa, M.A., Wheeler, D., Hendrick, S., “Secure Software Development Education 2024 Survey”, Linux Foundation Research, June 2024.
- O.22 Lawson, A., Gerosa, M.A., Hendrick, S., “2023 Open Source Generative AI Survey Report,” Linux Foundation Research, December 2023.
- O.21 Lawson, A., Gerosa, M.A., “2023 Energy Transformation Readiness Study: Survey-based insights into energy sector digitalization through open source,” Linux Foundation Research, June 2023.
- O.20 Trinkenreich, B., Gerosa, M.A., Steinmacher, I., “Women in Open Source: We Need to Talk About It”, in **Computer**, vol. 55, no. 12, pp. 145-149, Dec. 2022, DOI: 10.1109/MC.2022.3200860
- O.19 Shihab, E., Wagner, S., Gerosa, M.A., “Summary of the 2nd International Workshop on Bots in Software Engineering (BotSE 2020)”, **ACM SIGSOFT Software Engineering Notes**, February 2021, <https://doi.org/10.1145/3437479.3437484>
- O.18 Gerosa, M.A., Silva, A.C., Marana, A.N., Maziero, C.A., Rubira, C.M.F., Macedo, D.D.J., Matos, J.P., Granville, L.Z., Vijaykumar, N.L., Geus, P.L., Correa, R.V., Lotufo, L.A., Kenchian, G., Filgueiras Filho, T.E., “O que é Inovação e P&D na Indústria de Software?”, Technical Report RT-MAC-2016-01, IME-USP, Brazil, 2016
- O.17 Gerosa, M.A., Wiese, I.S., Oliva, G.A., Aniche, M.F., “Mineração de Repositórios de Software Livre”, **Revista Computação Brasil**, Vol. 27, February 2015, Sociedade Brasileira de Computação, p. 19-24
- O.16 Gerosa, M.A., Steinmacher, I., “Deixem-me ajudar! Novatos em projetos de software livre enfrentam muitas barreiras”, **Revista Computação Brasil**, Vol. 27, February 2015, Sociedade Brasileira de Computação, p. 32-38
- O.15 Leite, L., Lago, N., Furtado, T., Moreira, C. E., Cordeiro, D., Batista, D., Gerosa, M.A., and Kon, F., “An Adaptive Enactment Engine for Complex Service Compositions on the Cloud”, Technical Report, IME-USP, Brazil, 2013

- O.14 Oliva, G.A., Maio, G.N., Leite, L.F., Gerosa, M.A., “Choreography dynamic adaptation prototype”, Technical Report, IME-USP, Brazil, 2012
- O.13 Oliva, G.A., Hattori, F., Leite, L.A., Gerosa, M.A., “Web service choreography adaptation: A systematic review,” Technical Report RT-MAC-2011-02, IME-USP, Brazil, 2011
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3.2. Invited Talks and Keynote Presentations

- T.42 2026 Keynote speakers at the 5th International Workshop on Natural Language-based Software Engineering, co-located with the International Conference on Software Engineering (ICSE)
 Title: Answering Questions About Open Source Projects
 Rio de Janeiro (April 2026)

- T.41 2026 Talk at NAU AI Week
Title: Reflecting Upon Design Trade-offs in Software Engineering using LLM-Generated Feedback
Flagstaff, AZ (March 2026)
- T.40 2026 Talk at NAU AI Week
Title: Can AI generate qualitative data for software engineering research?
Flagstaff, AZ (March 2026)
- T.39 2025 Talk at the Shonan Meeting: The Future of Development Environments with AI Foundation Models
Title: “From Code Writers to Creative Engines: Redesigning IDEs for the Age of Software-Generating Agents”
Tokyo, Japan (October 2025)
- T.38 2025 Talk at NAU AI Week
Title: Fostering Solution Diversity: Teaching Software Engineering through LLM-Generated Alternatives
Flagstaff, USA (March 2025)
- T.37 2024 Invited Talk at Wakayama University
Title: Software Engineering supported by Foundational Models
Wakayama, Japan (December 2024)
- T.36 2024 Invited Talk at the University of Bari
Title: Software Engineering via bots, chatbots, and large language models (LLMs)
Bari, Italy (May 2024)
- T.35 2024 Invited Talk at the University of São Paulo (USP)
Title: Software Engineering via bots, chatbots, and large language models (LLMs)
São Paulo, Brazil (March 2024)
- T.34 2024 Invited Talk at the Technological Institute of Aeronautics (ITA)
Title: Software Engineering via bots, chatbots, and large language models (LLMs)
São José dos Campos, Brazil (February 2024)
- T.33 2023 Invited Talk at the University of Melbourne
Title: Conversational Software Engineering via bots, chatbots, and large language models
Melbourne, Australia (August 2023)
- T.32 2022 Invited Talk at Salesforce
Title: No-Code Data Analytics through Conversational Programming
Melbourne, Australia (August 2022)
- T.31 2021 Invited Talk at the School of Software Engineering for Latin America
Title: How to write rebuttals and responses
Online (Sept 27, 2021)
- T.30 2020 Invited Talk at the Center for Ecosystem Science and Society (ECOSS), Northern Arizona University
Title: Open-Sourcing a Software System
Flagstaff, USA (Oct 16, 2020)
- T.29 2019 Invited Talk at the First International Workshop on BRIDging the Divides with Globally Engineered Software (BRIDGES2019)
Title: Designing appropriate chatbots for tourism and software development
Port Moresby, Papua New Guinea (Sep 12, 2019)

- T.28 2019 Invited Talk at IBM Research, Brazil
Title: Should my chatbot be register-specific? Designing appropriate chatbots for tourism and software development
São Paulo, Brazil (Jul 16, 2019)
- T.27 2019 Invited Talk at UC Irvine, Workshop on “Exploring the Unexplored in Social Software Development Platforms”
Scaffolding skill acquisition to onboard OSS ecosystems
Irvine, USA
- T.26 2019 Invited Talk at Wakayama University, Japan
Title: Social Developer: Supporting the Next Generation of Software Engineers
Wakayama, Japan (Mar 05, 2019)
- T.25 2019 Invited Talk at NAIST, Japan
Title: Social Developer: Supporting the Next Generation of Software Engineers
Nara, Japan (Mar 04, 2019)
- T.24 2018 Invited Talk at the 3rd Texas Software Engineering Research (TEASER) Symposium
Title: Mining software repositories to support OSS newcomers
UT Dallas, USA
- T.23 2018 Invited Talk at the Arizona Computing Postdoctoral Workshop
Title: Social Developer: Supporting the next generation of software engineers
Northern Arizona University, USA
- T.22 2017 Invited Talk at the São Paulo School of Advanced Science on Smart Cities
Title: *Visiting a city that offers too much data and services? Talk to your chatbot*
São Paulo, Brazil
- T.21 2016 Keynote speaker at the PARIS Workshop @ ICGSE (Workshop on Methods and Tools for Project/Architecture/Risk Management in Globally Distributed Software Development Projects)
Title: *Leveraging the Crowd: Supporting Newcomers to Build an OSS Community*
Irvine, California, USA
- T.20 2016 Keynote speaker at the 4th Visualization, Evolution, and Maintenance Workshop (VEM) @ CBSOFT (Brazilian Congress on Software)
Title: *Mining sociotechnical information to support newcomers to OSS projects*
Maringá, Brazil
- T.19 2016 Invited Talk at IBM Research
Title: *Leveraging the Crowd: Supporting Newcomers to Build an OSS Community*
São Paulo, Brazil
- T.18 2016 Invited Talk at Campinas University (UNICAMP)
Title: *Leveraging the Crowd: Supporting Newcomers to Build an OSS Community*
Campinas, Brazil
- T.17 2015 Invited Talk at the II SEINFO - Informatics Week
Title: *Mineração de Dados Técnicos e Sociais de Repositório de Software*
UTFPR, Campo Mourão-PR, Brazil
- T.16 2015 Invited Talk at the Workshop on Applications, Platforms, and Open Patterns for Smart Cities
Title: *Smart Cities: Software Engineering, Free Software, and Collaborative Systems*
USP, São Paulo-SP, Brazil
- T.15 2014 Invited Talk at the Federal University of Uberlandia
Title: *Mining Sociotechnical Information from Software Repositories*
UFU, Uberlandia, Brazil

- T.14 2014 Invited Talk at the Federal University of Rio Grande do Norte
Title: *Mining Sociotechnical Information from Software Repositories*
UFRN, Natal-RN, Brazil
- T.13 2014 Panel at the Brazilian Symposium on Collaborative Systems
Title: *Challenges for the Research on Collaborative Systems*
Curitiba-PR, Brazil
- T.12 2014 Invited Talk at the University of California, Irvine, Informatics Seminar
Title: *Mining Sociotechnical Information from Software Repositories*
University of California, Irvine, EUA
Video: <http://www.informatics.uci.edu/video/InfTalk030714Gerosa.mp4>
- T.11 2013 Keynote speaker at the MSR Asia Summit 2013
<http://msrsummit2013.se-naist.jp/>
Title: *Uncovering Hidden Dependencies from Past Changes: Logical Dependencies and Its Application*
MSR Asia, Kyoto, Japan
- T.10 2013 Invited Talk at the Shonan Meeting on Software Analytics
<http://www.mii.ac.jp/shonan/>
Title: *Mining Software Repositories Communities in Brazil*
Shonan Village, Japan
- T.9 2012 Invited Talk at Seminars on Computational Vision
Title: *Arquigrafia-Brasil: A Collaborative Environment for Sharing Photographs of Brazilian Architecture*
IME/USP, Brazil
- T.8 2012 Panel on the Brazilian Symposium on Collaborative Systems on Teaching Collaborative Systems
Title: *Experience Report of the Collaborative Systems Development Course*
Belo Horizonte, Brazil
- T.7 2010 Invited Talk at the Technology Company of the São Paulo City Hall
Title: *Collaboration and Collective Intelligence on the Web 2.0*
São Paulo, Brazil
- T.6 2010 Invited Talk at the RNP Workshop
Title: *GT CWTools: Software Components for Social Interaction and Collective Intelligence*
Brazilian Symposium of Computer Networks and Distributed Systems, Gramado, Brazil
- T.5 2009 Invited Talk at the Bachelor in Computer Science Meeting of the University of São Paulo
Title: *Groupware Workbench: Software Components for Collaboration on the Web*
University of Sao Paulo, São Paulo, Brazil
- T.4 2008 Invited Talk at the Seminars of the Institute of Computing of the State University of Campinas
Title: *Software Components and Creativity in The Development of Collaborative Systems*
State University of Campinas, Campinas, Brazil
- T.3 2008 Invited Talk at the Professional Education: Technology Partners - Event of the State Secretary of Education
Title: *Contents for Digital TV*
Iriti, Brazil
- T.2 2005 Panel on the 5th Regional School on Informatics (ERI)
Title: *Roundtable on Distance Education*
Federal University of Espirito Santo, Vitoria, Brazil
- T.1 2003 Panel on the CQ'03 - Quality in Teaching Computing Course
Title: *Evaluation: Techniques for Face-to-Face and Distance Learning*
Congress of the Brazilian Computing Society, Campinas, Brazil

3.3. Funding

3.3.1. Extramural grants

F.23	2026-2027	Using Large Language Models to Improve the Onboarding in OSS Funded by: Sloan Foundation Role: <u>Co-PI</u>	US\$ 100K
F.22	2023-2026	Learning Software Engineering by Contributing to Real Projects with Chatbot Assistance Funded by: NSF (<i>National Science Foundation</i>), USA - award #2303042 Role: <u>PI</u> (NAU portion = US\$ 562K)	US\$ 850K
F.21	2023-2026	A Learning Environment for an Open-Source Contribution Model Funded by: NSF (<i>National Science Foundation</i>), USA - award #2247929 Role: <u>Co-PI</u> , PI: Dr. Steinmacher (NAU portion = US\$ 499K)	US\$ 499K
F.20	2023-2025	Scaffolding Computational Thinking in Introductory Computer Science through a Conversational Agent Funded by: NSF (<i>National Science Foundation</i>), USA - award #2236198 Role: <u>Co-PI</u> , PI: Dr. Steinmacher (NAU portion = US\$ 405K)	US\$ 600K
F.19	2023-2025	POSE: Phase II: Expanding the data.table ecosystem for efficient big data manipulation in R Funded by: NSF (<i>National Science Foundation</i>), USA - award #2303612 Role: <u>Co-PI</u> , PI: Dr. Hocking	US\$ 732K
F.18	2021-2024	Collaborative Research: CCRI: New: Distributed Sensing & Computing Over Sparse Environments (DISCOVER) Platform Funded by: NSF (<i>National Science Foundation</i>), USA - award #2120485 Role: <u>Senior Personnel</u> , PI: Dr. Flikkema	US\$ 1.4M
F.17	2019-2023	CHS: Large: Collaborative Research: Gender-Inclusive Open Source through Gender-Inclusive Tools Funded by: NSF (<i>National Science Foundation</i>), USA - awards 1900903 & 1901031 Role: <u>Co-PI</u> - US\$ 529K (my portion), Co-PIs: Igor Steinmacher (NAU), Anita Sarma (OSU), Margaret Burnett (OSU)	US\$ 1.4M
F.16	2019-2020	Development of Cost-Effective Sensing Systems and Analytics (CeSSA) to Monitor Roadway Conditions and Mobility Safety Funded by: DOT (U.S. Department of Transportation) Role: <u>Co-PI</u> - US\$ 30,512 (my portion), PI: Chun-Hsing Ho (NAU)	US\$ 92K
F.15	2018-2022	CHS: SHF: Small: Collaborative Research: Scaffolding Skill Acquisition to Onboard OSS Ecosystems Funded by: NSF (<i>National Science Foundation</i>), USA - awards 1815503 & 1815486 Role: <u>Lead PI</u> - US\$ 250K (my portion), with Co-PI Dr. Anita Sarma (OSU)	US\$ 500K
F.14	2016-2017	Software engineering newcomers' barriers and motivations to onboard open source software projects Funded by: FAPESP (<i>Sao Paulo Research Foundation</i>) - grant 2015/50084-1 Role: <u>PI</u> , with Co-PI Dr. Daniel German (University of Victoria, Canada)	R\$ 53,500
F.13	2016-2016	A mobile application for conscious consumption based on collective intelligence Funded by: FAPESP (<i>Sao Paulo Research Foundation</i>), <i>PIPE Program</i> , grant 2015/16028-7 Role: <u>Co-PI</u> , with principal investigator Andrea Stockl	R\$ 200,000
F.12	2015-2016	High performance applications for smart cities with "The Machine:" Modeling, simulation, and development Funded by: Hewlett-Packard (HP) Brazil Role: <u>PI</u>	R\$ 602,630
F.11	2015-2017	A portal for newcomer developers in open source software communities Funded by: FAPESP (<i>Sao Paulo Research Foundation</i>) - grant 2014/21899-4 Role: <u>PI</u>	R\$ 81,500

F.10	2013-2015	Newcomers support in open source software projects Funded by: CNPq (<i>Brazilian Council for Scientific and Technological Development</i>) - grant 477831/2013-3 Role: PI	R\$ 21,000
F.9	2012-2015	NAWEB – Research Center on Collaborative Environments on the Web Funded by: <i>Provost of Research / University of São Paulo</i> - grant 154/2012 Role: PI	R\$ 740,000
F.8	2012-2014	Developers social network analysis for bug prediction in software projects Funded by: Araucária Foundation - grant 344/2012 Role: Co-PI	R\$ 8,920
F.7	2011-2013	Support for social interaction and collective intelligence on the Web 2.0 Funded by: FAPESP (<i>Sao Paulo Research Foundation</i>) - grant 2010/06897-4 Role: PI	R\$ 166,300
F.6	2010-2012	Baile: Enabling scalable cloud services choreography Funded by: Hewlett-Packard (HP) Brazil Role: Co-PI	R\$ 560,600
F.5	2010-2013	CHOReOS: Large-scale choreographies for the Future Internet Funded by: European Commission / FP7 Role: Co-PI	R\$ 1.7M
F.4	2010-2012	Arquigrafia-Brasil Social Network: photographic studies of Brazilian Architecture on the Web 2.0 Funded by: FAPESP (<i>Sao Paulo Research Foundation</i>) - grant 2009/183420 Role: Co-PI	R\$ 176,000
F.3	2009-2010	Software components for social interaction and collective intelligence Funded by: RNP (<i>Brazilian National Research and Educational Network</i>) - grant GT CWTtools Role: PI	R\$ 160,900
F.2	2008-2010	Extending software components for the construction of collaborative systems for digital TVs Funded by: CNPq (<i>Brazilian Council for Scientific and Technological Development</i>) - grant 472410/2008-3 Role: PI	R\$ 19,450
F.1	2007-2009	Teaching-learning through digital TV: integrating the AulaNet Environment to the Ginga Middleware Funded by: FAPES (<i>Espirito Santo Research Foundation</i>) - grant 38874849/2007 Role: PI	R\$ 34,500

3.3.2. Intramural grants

I.6	2026	Transformation through Artificial Intelligence in Learning (TRAIL) program, Instruction Track “AI-Powered Interview Training for Requirements Elicitation in Software Engineering” Funded by: Northern Arizona University (NAU)	US\$ 5K
I.5	2025	Transformation through Artificial Intelligence in Learning (TRAIL) program, Instruction Track “LLM-Generated Feedback for Reflecting Upon Design Trade-offs in Software Engineering” Funded by: Northern Arizona University (NAU)	US\$ 5K

I.4	2025	Transformation through Artificial Intelligence in Learning (TRAIL) program, Research and Scholarship Track <i>"To what extent can AI replace human subjects in software engineering research?"</i> Funded by: Northern Arizona University (NAU)	US\$ 5K
I.3	2025	OURCA Course-based Undergraduate Research Experience (CURE) Development Grant <i>"Developing and Evaluating AI-Powered Agents: A New Course-based Undergraduate Research Experience for Preparing the Next Generation of Software Engineers"</i> Funded by: Northern Arizona University (NAU)	US\$ 7K
I.2	2024	Transformation through Artificial Intelligence in Learning (TRAIL) program <i>"Leveraging Large Language Models to Boost Students' Software Design and Architecture Skills"</i> Funded by: Northern Arizona University (NAU)	US\$ 5K
I.1	2019	Research and Bridge or Seed (RBS) program <i>"Development of Vehicle-based Sensing Technology and Algorithm to Advance Pavement Condition Assessments"</i> Funded by: Northern Arizona University (NAU) Role: Co-PI, PI: Chun-Hsing Ho (NAU)	US\$ 15K

3.3.3. Scholarships/Fellowships obtained through Research Proposals

2016-2018	Research Productivity Fellowship: Tools for Newcomers to Open Source Software Communities CNPq – grant 307240/2015-0	R\$ 39,600
2015-2017	Automatically generating and summarizing open source project documentation for newcomers FAPESP – grant 2014/21899-4	R\$ 176,664
2013-2014	Research abroad scholarship (University of California, Irvine) FAPESP grant 2012/21179-6	R\$ 108,940
2013	2 trainees for the Arquigrafia Project Provost of Research / University of São Paulo	R\$ 27,550
2013	1 trainee for the NaWEB Website Provost of Research / University of São Paulo	R\$ 10,349
2013- 2016	Research Productivity Fellowship: Sociotechnical analysis of software development by means of mining software repositories CNPq – grant 308613/2012-0	R\$ 39,600
2012	4 trainees for the Arquigrafia Project Provost of Research / University of São Paulo	R\$ 43,935
2010- 2012	Research Productivity Fellowship: Groupware Workbench: Assembling collaborative systems for new interaction media CNPq – grant 303649/2009-7	R\$ 39,600
2010- 2012	Undergraduate scholarship: Identification and visualization of dependencies in object-oriented software CNPq – grant 502056/2010-0	R\$ 8,640
2009- 2010	Undergraduate scholarship: A Web environment for receiving and correcting programming exercises in Java Provost of Undergraduate / University of São Paulo	R\$ 3,600

2009- 2010	MSc scholarship: Component development for collective intelligence in the Groupware Workbench <i>FAPESP – MSc scholarship 2009/05013-8</i>	R\$ 33,980
2009- 2011	MSc scholarship: Groupware Workbench: Software components for collaboration on the Web 2.0 <i>CNPq – grant 552110/2009-4</i>	R\$ 28,800

4. Student-Related Activities

4.1. Graduate Courses Taught

NORTHERN ARIZONA UNIVERSITY, USA			
CS599	Research Methods for Software Engineering	2017 to 2021 (4x)	28 students
UNIVERSITY OF SÃO PAULO			
MAC5779	Experimental Software Engineering	2011 to 2016 (4x)	39 students
MAC6912	Software Development Environments	2014 (1x)	6 students
MAC6907	Special Topics on Service Composition: Orchestration and Choreographies	2013 (1x)	5 students
MAC5853	Computational Systems Development	2010 to 2013 (4x)	19 students
MAC5855	Special Topics on Web Development	2009 to 2012 (3x)	61 students
MAC6900	Special Topics on Service Choreographies	2012 (1x)	8 students
MAC5783	Software Engineering	2011 to 2012 (2x)	7 students
MAC5764	Special Topics on Software Engineering	2009 (1x)	8 students
MAC5798	Collaborative Systems Development	2008 to 2009 (2x)	17 students
UNIVERSITY OF CALIFORNIA, IRVINE			
INF219	Software Environments	2014 (1x)	11 students
OTHER UNIVERSITIES - BEFORE 2008			
	Operating Systems (UniSales)	2003 (1x)	43 students
	Web Programming Language (UniCarioca)	2003 (1x)	15 students
	Introduction to Web Programming (UniCarioca)	2003 to 2004 (3x)	25 students
TOTAL	14 courses	29 sessions	292 students

4.2. Undergraduate Courses Taught

NORTHERN ARIZONA UNIVERSITY, USA			
CS499	Scientific Evaluation of LLM Applications	2026 (1x)	24 students
CS499	Research Methods for Software Engineering	2017 to 2021 (4x)	85 students
CS386	Software Engineering	2017 to 2025 (10x)	277 students
CS440	Software Architecture	2022 to 2025 (3x)	90 students
UNIVERSITY OF SÃO PAULO, BRAZIL			
MAC0332	Software Engineering	2009 to 2016 (5x)	194 students
MAC0451	Special Topics on Web Development	2009 to 2012 (3x)	32 students
MAC0455	Collaborative Systems Development	2008 (1x)	16 students
MAC2166	Introduction to Programming for Engineers	2009 (1x)	70 students
MAC122	Principles of Algorithm Development	2014 (1x)	66 students
MAC0133	Programming for Human Sciences	2015 (1x)	120 students
MAC110/15	Introduction to Programming	2008 to 2016 (5x)	265 students
UNIVERSITY OF VILA VELHA, BRAZIL			
	Introduction to Computer Science	2006 to 2008 (5x)	259 students
	Topics on Software Engineering	2006 to 2008 (2x)	33 students
	System Analysis II	2006 to 2008 (5x)	120 students
	Database Introduction	2005 to 2007 (4x)	60 students
UNICARIOCA UNIVERSITY, BRAZIL			
	Object-Oriented Analysis	2003 to 2005 (8x)	164 students
	Object-Oriented Design	2003 to 2004 (6x)	147 students
	Object-Oriented Programming	2004 to 2005 (4x)	105 students
	Java Language	2002 to 2005 (2x)	35 students
	Database I	2002 to 2005 (5x)	182 students
	Database II	2002 to 2004 (10x)	311 students
	Web Development	2003 (1x)	24 students
	System Analysis and Design	2003 (1x)	21 students
	Implementation and Management of Sites	2002 (2x)	28 students
	Introduction to Informatics	2002 (2x)	104 students

CATHOLIC UNIVERSITY OF RIO, BRAZIL			
	Computers in Human Sciences	2002 to 2003 (3x)	52 students
TOTAL	26 different courses	95 sessions	3,054 students

4.3. Courses and Short Courses at Events

SC.5	2022	“Software Bots in Software Engineering: Benefits and Challenges” Mining Software Repositories Conference (MSR), Virtual
SC.4	2015	“Mining Source Code Repositories Using MetricMiner” Brazilian Congress on Software (CBSOft), Belo Horizonte, MG
SC.3	2011	“Software Evolution: Tools, Techniques, and Metrics” Brazilian Congress on Software (CBSOft), São Paulo, SP
SC.2	2003	“Design of Communication in Groupware: Development, Interface, and Use” Informatics Actualization Journey (JAI), Campinas, SP
SC.1	2002	“Groupware Engineering: Development of Collaborative Applications” Informatics Actualization Journey (JAI), Florianopolis, SC

4.4. Advising/Supervising

Type of advising	Concluded	Current	Total
Postdoctoral scholars	6	-	6
Ph.D. students	13	3	16
M.Sc. students	17	1	18
Other graduate students	1	-	1
Undergraduate research	13	-	13
Bachelor’s Thesis	29	-	29
Visiting Scholars	7	-	7
TOTAL	81	4	90

4.4.1. Postdoctoral Scholars (6)

PD.6	2024-2024	Dr. Alessandro Garcia Northern Arizona University (NAU)
PD.5	2023-2024	Dr. Katia Felizardo Northern Arizona University (NAU)
PD.4	2022-2023	Dr. João Felipe Pimentel Northern Arizona University (NAU)
PD.3	2019-2021	Dr. Igor Wiese Northern Arizona University (NAU)
PD.2	2017-2018	Dr. Igor Steinmacher Northern Arizona University (NAU)
PD.1	2015-2016	Dr. Christoph Treude University of São Paulo (IME/USP)

4.4.2. Ph.D. Students (16)

Ph.16	2024-present	Morgan Nicholson Northern Arizona University (NAU)
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- Ph.15 2024-present **Pedro Oliveira** (co-advisor)
Northern Arizona University (NAU)
- Ph.14 2023-present **Jacob Penney** (co-advisor)
Northern Arizona University (NAU)
- Ph.13 2021-2025 **Italo Santos**
Northern Arizona University (NAU)
Thesis title: *“Supporting Diverse Problem-Solving Styles in Understanding How to Contribute to Open Source”*
Defense: April 2025
- Ph.12 2019-2023 **Fabio Marcos dos Santos**
Northern Arizona University (NAU)
Thesis title: *“Supporting the Task-Driven Skill Identification in Open Source Project Issue Tracking Systems”*
Defense: April 2023
- Ph.11 2019-2022 **Bianca Trinkenreich** (co-advisor) **[Outstanding dissertation award, ACM]**
Northern Arizona University (NAU)
Thesis title: *“Understanding and supporting women’s participation in Open Source Software”*
Defense: December 2022
Awards: 2024 ACM SIGSOFT Outstanding Dissertation Award, Best paper ICSE 2023, ICSE 2022 SEIS, GSG Poster Symposium Conference session winner
- Ph.10 2015-2022 **Dhanielly Rodrigues Lima** (co-advisor)
Federal University of Amazonas (UFAM)
Thesis title: *“MOTIRÔ - A Model of Difficulties with Awareness Information to Support Users of On-line Discussion Forums”*
Defense: March 2022
- Ph.9 2018-2021 **Mairieli Santos Wessel** **[Best thesis award, CBSOft 2021]**
University of São Paulo (IME/USP)
Thesis title: *“Perception of Software Bots on Pull Requests on Social Coding Environments”*
Defense: August 2021
- Ph.8 2017-2020 **Ana Paula Chaves Steinmacher**
Northern Arizona University (NAU)
Thesis title: *“Should my chatbot be register-specific? Designing appropriate utterances for tourism interactions”*
Defense: November 2020
- Ph.7 2015-2020 **Yorah Bosse**
University of São Paulo (IME/USP)
Thesis title: *“Patterns of Difficulties Related to Programming Learning.”*
Defense: June 2020
- Ph.6 2015-2019 **Jefferson Silva**
University of São Paulo (IME/USP)
Thesis title: *“Engagement in Open Source Software Projects via Summer of Code Programs”*
Defense: December 2019

- Ph.5 2013-2018 **Ana Paula Oliveira Bertholdo**
 University of São Paulo (IME/USP)
 Thesis title: *“User engagement by means of game elements in online open collaboration communities”*
 Defense: December 2018
- Ph.4 2011-2017 **Gustavo Ansaldi Oliva**
 University of São Paulo (IME/USP)
 Thesis title: *“On the Link between Structural Dependencies and Software Changes”*
 Defense: January 2017
- Ph.3 2012-2016 **Maurício Aniche**
 University of São Paulo (IME/USP)
 Thesis title: *“Architectural Roles in Code Metric Assessment and Code Smell Detection”*
 Defense: July 2016
- Ph.2 2011-2016 **Igor Scalante Wiese**
 University of São Paulo (IME/USP)
 Thesis title: *“Artifact co-change prediction based on contextual information”*
 Defense: March 2016
- Ph.1 2011-2015 **Igor Fabio Steinmacher**
 University of São Paulo (IME/USP)
 Thesis title: *“Supporting newcomers to overcome the barriers to contribute to open source software projects”*
 Defense: February 2015

4.4.3. M.Sc. Students (18)

- MS.18. 2026-present **Lucas Ciziks**
 University of São Paulo – IME, M.Sc. in Computer Science
- MS.17. 2024-2026 **Misan Paul Etchie (concluded)**
 Northern Arizona University, M.Sc. in Computer Science
 Thesis title: *“Improving Learning Outcomes Through an AI-Assisted Gamified Learning Environment”*
- MS.16. 2018-2023 **Luiz Felipe Fronchetti Dias (concluded)**
 University of São Paulo – IME, M.Sc. in Computer Science
 Thesis title: *“A model for the classification of documentation for newcomers to open source software”*
- MS.15. 2018-2020 **Marcelo de Rezende Martins (concluded)**
 University of São Paulo – IPT, M.Sc. in Computer Engineering
 Thesis title: *“A Convolutional Neural Network approach to code retrieval”*
- MS.14. 2014-2018 **Suelen Goularte Carvalho (concluded)**
 University of São Paulo – IME, M.Sc. in Computer Science
 Thesis title: *“Code anomalies in the presentation layer of Android Applications”*
- MS.13. 2015-2017 **Rodrigo Magalhães Santos (concluded)**
 University of São Paulo – IPT, M.Sc. in Computer Engineering
 Thesis title: *“A catalogue of best practices focused on legibility for Java coding in Open Source Software”*

- MS.12 2012-2015 **José Teodoro da Silva (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Author disambiguation in discussion lists of open source software projects*”
- MS.11 2011-2014 **Guilherme de Maio Nogueira (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Improving fault tolerance support in wireless sensor network macroprogramming.*”
Co-advised by Prof. Dr. Animesh Pathak (INRIA)
Research visit: INRIA Paris-Rocquencourt, France (4 months)
- MS.10 2013-2014 **Maison Melotti (co-principal advisor) (concluded)**
Federal University of Espírito Santo (UFES), M.Sc. in Informatics
Thesis title: “*Reference architecture for the development of component-based mobile collaborative applications*”
Principal advisor: Prof. Dr. Roberta Lima Gomes (UFES)
- MS.9 2011-2014 **Leonardo A. F. Leite (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Automated deployment of large-scale web service compositions*”
Co-advised by Prof. Dr. Fabio Kon (IME/USP)
- MS.8 2009-2013 **Mauricio José de Oliveira de Diana (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Performance of systems with geo-replicated data with eventual consistency and timeline consistency*”
- MS.7 2009-2013 **Carlos Leonardo Herrera Muñoz (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Components for interoperability between Web 2.0 social networks*”
- MS.6 2009-2012 **Edith Zaida Sonco Mamani (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Computation of reputation in social networks from the collaboration between participants*”
- MS.5 2009-2012 **Straus Michalsky (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Software components for the development of collaborative Web applications: Evolution of the Groupware Workbench platform*”
- MS.4 2008-2012 **Geiser Chalco Chalco (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Automated instructional design in computer-supported collaborative learning using hierarchical planning*”
- MS.3 2009-2012 **Maurício Finavaro Aniche (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*How the practice of TDD influences the class design on object-oriented systems*”
- MS.2 2009-2011 **Gustavo Ansaldi Oliva (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Identification and visualization of dependencies in object-oriented systems*”
- MS.1 2008-2010 **Lucas Santos de Oliveira (concluded)**
University of São Paulo – IME, M.Sc. in Computer Science
Thesis title: “*Content sharing collaborative features in social networks in Web 2.0: A domain engineering based on 3C collaboration model*”

4.4.4. Graduate Individual Study (1)

GI.1 2020 Jiawei Gao (Northern Arizona University, USA)

4.4.5. Undergraduate Research Projects (13)

RS.13 2025-2026 Andrew Sliva (Northern Arizona University, USA)
 RS.12 2021-2022 Jacob Penney (Northern Arizona University, USA)
 RS.11 2021 Jacob Stuck (Northern Arizona University, USA)
 RS.10 2021 Hannah Park (Northern Arizona University, USA)
 RS.9 2020 Tyler Conger (Northern Arizona University, USA)
 RS.8 2020 Caitlin Abuel (Northern Arizona University, USA)
 RS.7 2019 Daniel Rustrum (Northern Arizona University, USA)
 RS.6 2017-2019 Stephen White, James Todd (Northern Arizona University, USA)
 RS.5 2017-2018 Kelvin Rodriguez, Tyler Thatcher (Northern Arizona University, USA)
 RS.4 2011-2012 Francisco W. Santana (Federal University of Pará, Brazil)
 RS.3 2009 Fernando Antônio Marques Filho (Federal University of Espírito Santo, Brazil)
 RS.2 2009 Caroline Rizzi Raymundo (Federal University of Espírito Santo, Brazil)
 RS.1 2008 Filipe Bosi Guaitolini (University of Vila Velha, Brazil)

4.4.6. Bachelor's Theses (29 students)

BT.18 2015 Renato Massao (University of São Paulo)
 BT.17 2012 Francisco Zigmund Sokol (University of São Paulo)
 BT.16 2012 Gabriel Reganati & Caio Valente (University of São Paulo)
 BT.15 2011 Ana Luiza Domingues Fernandez Basalo (University of São Paulo)
 BT.14 2011 Francisco Werther Silva de Santana Júnior & Kleverton Carlos Macedo de Oliveira (Federal University of Para, co-advisor)
 BT.13 2010 Fábio Zendhi Nagao (University of São Paulo)
 BT.12 2010 Caroline Rizzi Raymundo (Federal University of Espírito Santo, co-advisor)
 BT.11 2009 Fernando Antonio Marques Filho (Federal University of Espírito Santo, co-advisor)
 BT.10 2009 Melissa Cheau Chen Liang (University of São Paulo)
 BT.9 2008 Daniele Vieira Fiorot (University of Vila Velha)
 BT.8 2004 Leonardo T. Passos, Thaís B. Cannavale (Unicarioca)
 BT.7 2004 Danielle Oliveira Estrella, Diogo Gonçalves Villa Real, Quele Rose Aragão de Jesus, Robson Araújo de Oliveira (Unicarioca)
 BT.6 2004 Sergio Luiz Machado, Alexandre Lidonês Borges (Unicarioca)
 BT.5 2004 Alexander dos Santos Mello, Rinaldo Ferreira Marinho (Unicarioca)
 BT.4 2003 André Luiz Perpétuo da Costa, Bárbara Zírpoli Duarte de Lima (Unicarioca)
 BT.3 2003 Alexander da Silva Paulo, Cláudio Oliveira da Silva, Rusley Ribeiro dos Santos (Unicarioca)
 BT.2 2002 André Jacques Villas Boas Gares (Unicarioca)

BT.1 2002 Alexandre Magno (Unicarioca)

4.4.7. Visiting scholars (7)

V.7 2020 Leonardo Murta (Fluminense Federal University, Brazil), Faculty
 V.6 2020 Vanessa Braganholo (Fluminense Federal University, Brazil), Faculty
 V.5 2019 Junjian Tang (China), Faculty
 V.4 2018 Giuseppe Iaffaldano (University of Bari, Italy), Ph.D. student
 V.3 2018 Yongzhong Cao (Yangzhou University, China), Faculty
 V.2 2015 Sébastien Toussaint (Polytech Grenoble, France), B.Sc.
 V.1 2015 Mesnier Vincent (Polytech Grenoble, France), B.Sc.

4.5. Graduate Dissertation Committees

Committee	Total
Ph.D. defense	14
Ph.D. qualifying exam	19
M.Sc. defense	33
M.Sc. qualifying exam	25
TOTAL	91

4.5.1. Ph.D. Defense Committees (14)

14.	2026	NAU	USA	Md Nazmul Hossain
13.	2025	PUC-Rio	Brazil	João Lucas Correia
12.	2019	UNIRIO	Brazil	Edmilson Barcelos Rocha
11.	2018	IIT Delhi	India	Venkatesh Vinayakarao
10.	2018	UFCG	Brazil	David Candeia Medeiros Maia
9.	2017	ICMC/USP	Brazil	Alinne Cristinne Corrêa dos Santos
8.	2016	ITA	Brazil	Mauro Carlos Pichiliani
7.	2015	UFF	Brazil	José Ricardo da Silva Junior
6.	2015	UFMG	Brazil	Luciana Lourdes Silva
5.	2015	UFBA	Brazil	Rodrigo Rocha Gomes e Souza
4.	2013	IME	Brazil	Claudia de Oliveira Melo
3.	2012	ITA	Brazil	Juliana de Melo Bezerra
2.	2010	POLI/USP	Brazil	Denise Lazzeri Gastaldo Bombonatti
1.	2010	UFC, Brazil	Brazil	Gilvandenys Leite Sales

4.5.2. Ph.D. Qualifying / Comprehensive Exam Committees (19)

19.	2022	NAU	USA	Md Nazmul Hossain
18.	2020	UChile	Chile	Maximiliano Canché Euán
17.	2020	ICMC/USP	Brazil	Tiago Volpato
16.	2019	IME/USP	Brazil	Wilson Kazuo
15.	2018	NAU	USA	Austin Sanders
14.	2017	UFCCG	Brazil	David Candeia Medeiros Maia
13.	2016	IME/USP	Brazil	Higor Amario de Souza
12.	2014	IME/USP	Brazil	Rodrigo Campiolo
11.	2014	UFMG	Brazil	Luciana Lourdes Silva
10.	2013	ITA	Brazil	Mauro Carlos Pichiliani
9.	2013	IME/USP	Brazil	Victor Williams Stafusa da Silva
8.	2012	IME/USP	Brazil	Claudia de Oliveira Melo
7.	2012	IME/USP	Brazil	Viviane Almeida dos Santos
6.	2011	IME/USP	Brazil	Nelson Posse Lago
5.	2011	IME/USP	Brazil	Nelson Posse Lago
4.	2011	IME/USP	Brazil	Christian Noriega Guerra
3.	2011	ITA	Brazil	Juliana de Melo Bezerra
2.	2010	IME/USP	Brazil	Sirley Ambrosia Vitorio Oliveira
1.	2010	IME/USP	Brazil	Paulo Roberto Miranda Meirelles

4.5.3. M.Sc. Defense Committees (33)

33.	2026	NAU	USA	Misan Etchie
32.	2022	NAU	USA	Chris Keefe
31.	2021	IME/USP	Brazil	Melissa Wen
30.	2020	UNICAMP	Brazil	Tania Alencar de Caldas
29.	2016	IME/USP	Brazil	Marisol Solis
28.	2016	IME/USP	Brazil	Diogo de Jesus Pina
27.	2016	UVic University	Canada	Maryi Arciniegas-Mendez
26.	2016	UFPA	Brazil	Marcelo Mazini
25.	2016	PUCRS	Brazil	Flávio Steffens dos Santos
24.	2015	UNICAMP	Brazil	Sheila Katherine Venero Ferro
23.	2015	COPPE/UFRJ	Brazil	Francisco Werther Silva de Santana
22.	2015	UFLA	Brazil	Mariana de Azevedo Santos
21.	2015	UFAM	Brazil	Dhanielly Paulina Rodrigues de Lima
20.	2014	ITA	Brazil	José Roberto Campos Perillo
19.	2014	UFRN	Brazil	Jalerson Raposo Ferreira de Lima
18.	2013	UFCCG	Brazil	Adabriand Furtado
17.	2013	IME/USP	Brazil	Victoriano Alfonso Phocco Diaz
16.	2013	UEM	Brazil	Rafael Leonardo Vivian
15.	2012	UFF	Brazil	Rafael de Souza Santos
14.	2012	IME/USP	Brazil	Renan de Melo Oliveira
13.	2011	IME/USP	Brazil	Tássia Camões Araujo
12.	2010	UFPA	Brazil	Marco Antônio Balieiro da Silva
11.	2010	USP	Brazil	Rafael de Holanda Barroso
10.	2010	IME/USP	Brazil	Reginaldo Rideaki Kamiya

9.	2010	IME/USP	Brazil	Patrícia Alves Rodrigues
8.	2010	UFRJ	Brazil	Luiz Carlos Lopes Silva Junior
7.	2010	UFES	Brazil	Lucas Augusto Scotta Merlo
6.	2010	UNICAMP	Brazil	Leonel Aguiar Gayard
5.	2010	UNICAMP	Brazil	Pedro Henrique Borges de Almeida
4.	2009	UNISINOS	Brazil	Giovane Oliveira Barcelos
3.	2009	IME/USP	Brazil	Alexandre Luis Kundrat Eisenmann
2.	2008	UNIFESP	Brazil	Daniel Lico dos Anjos Afonso
1.	2007	PUC-Rio	Brazil	Anna Carolina Stiebler da Costa

4.5.4. M.Sc. Qualifying Exam Committees (25)

25.	2019	IME/USP	Brazil	Melissa Wen
24.	2017	UEFS	Brazil	Bianca Leite Santana
23.	2015	ICMC/USP	Brazil	Diógenes Dias Simão
22.	2015	IME/USP	Brazil	Diogo de Jesus Pina
21.	2013	ICMC/USP	Brazil	Livia Castro Degrossi
20.	2012	IPT	Brazil	Rogério Chaves Pires
19.	2012	IME/USP	Brazil	Pedro Paulo de Souza Bento da Silva
18.	2012	IME/USP	Brazil	Herbert Juvenal Limachi Laricano
17.	2012	IME/USP	Brazil	Rafael Will Macedo de Araujo
16.	2012	IME/USP	Brazil	Lucas Piva Rocha Corrêa
15.	2011	FFCLRP/USP	Brazil	Flávia Akemi Miyazaki
14.	2011	IME/USP	Brazil	Renan de Melo Oliveira
13.	2011	IME/USP	Brazil	Israel Danilo Lacerra
12.	2011	IME/USP	Brazil	Rodrigo Constantin Ctenas Zaccara
11.	2011	IME/USP	Brazil	Maurício Chui Rodrigues
10.	2011	IME/USP	Brazil	Tássia Camões Araujo
9.	2011	IME/USP	Brazil	Danilo Leite Dalmon
8.	2011	IME/USP	Brazil	Diogo Vernier dos Santos
7.	2011	IME/USP	Brazil	Victoriano Alfonso Phocco Diaz
6.	2010	IME/USP	Brazil	Paulo Cheque Bernardo
5.	2009	IME/USP	Brazil	Eduardo Teruo Katayama
4.	2009	IME/USP	Brazil	Ariel Martini
3.	2009	IME/USP	Brazil	Reginaldo Rideaki Kamiya
2.	2009	IME/USP	Brazil	Hugo Corbucci
1.	2008	IME/USP	Brazil	Wellington Ricardo Pinheiro

5. Service to the Profession

5.1. Organization of Events

- 2026 **Co-located Events Co-Chair** - 48th International Conference on Software Engineering (ICSE 2026)
- 2025 **PC Co-chair of the BotSE 2025** - 5th International Workshop on Bots in Software Engineering, co-located with ICSE 2025
- 2024 **General Co-chair of ICSME 2024** - International Conference on Software Maintenance and Evolution

- 2021 **PC Co-chair of the BotSE 2021** - 3rd International Workshop on Bots in Software Engineering, co-located with ICSE 2021
- 2020 **PC Co-chair of the BotSE 2020** - 2nd International Workshop on Bots in Software Engineering, co-located with ICSE 2020
- 2020 **Co-chair of the Doctoral Symposium of ICSME 2020** - 36th International Conference on Software Maintenance and Evolution
- 2019 **PC Co-chair of IWESEP 2019** - 10th International Workshop on Empirical Software Engineering in Practice
- 2019 **PC Co-Chair of SBES 2019** - *33rd Brazilian Symposium on Software Engineering*
- 2018 **PC Co-Chair of DySDoc3** - *Third International Workshop on Dynamic Software Documentation*
- 2018 **PC Co-Chair of SBES 2018, New Ideas and Emerging Results Track** - *32nd Brazilian Symposium on Software Engineering*
- 2017 **Tutorials chair of CBSOFT 2017** - VIII Brazilian Congress on Software
- 2016 **PC Co-Chair of ICGSE 2016** - *11th IEEE International Conference on Global Software Engineering*
- 2016 **PC Chair of SBCARS 2016** - *10th Brazilian Symposium on Components, Architecture, and Reuse*
- 2015 **PC Co-Chair of VEM 2015** - *3rd Workshop on Visualization, Evolution, and Maintenance*
- 2013 **PC Co-Chair of CRIWG 2013** - *19th International Conference on Collaboration and Technology*
- 2012 **General Chair of SBSC 2012** - 9th Brazilian Symposium on Collaborative Systems (co-located to WebMedia 2012 and SBBD 2012), São Paulo, Brazil (500 participants)
- 2012 **Workshop Chair** - Writing Workshop for Authors in Brazil and Latin America, 9th Brazilian Symposium on Collaborative Systems - SBSC 2012, Sao Paulo, Brazil
- 2011 **General Chair of SBES 2011** - 25th Brazilian Symposium on Software Engineering, São Paulo, Brazil (559 participants)
- 2011 **Chair of WTD/SBSC 2011** - Thesis and Dissertations Workshop, 8th Brazilian Symposium on Collaborative Systems, Parati-RJ, Brazil
- 2010 **PC Co-Chair of SBSC 2010** - *7th Brazilian Symposium on Collaborative Systems*, Belo Horizonte, Brazil
- 2010 **Local Chair of WIRE 2010** - 5th Workshop for Introducing Reuse in Companies, São Paulo, Brazil (50 participants)
- 2008 **General Chair of WebMedia 2008** - 14th Brazilian Symposium on Multimedia Systems and Web, Vila Velha, Brazil (391 participants)
- 2008 **General Chair of SBSC 2008** - 5th Brazilian Symposium on Collaborative Systems, Vila Velha, Brazil (100 participants)
- 2007 **PC Co-Chair of SBSC 2007** - *4th Brazilian Symposium on Collaborative Systems*, Rio de Janeiro, Brazil
- 2007 **Organizer of VII Regional School on Informatics**, Espírito Santo State, Brazil
- 2006 **Organizer of VI Regional School on Informatics**, Espírito Santo State, Brazil
- 2006 **Organizer of Programming Marathon**, Espírito Santo State, Brazil
- 2005 **Organizer of V Regional School on Informatics**, Espírito Santo State, Brazil

5.1.1. Steering Committees Memberships

- 2020-present **BotSE** - Workshop of Bots in Software Engineering
- 2017-2022 **CEES** - Brazilian Special Commission of Software Engineering
- 2015-2020 **SBCARS** - Brazilian Symposium on Components, Architecture, and Reuse
- 2015-2019 **ICGSE** - IEEE International Conference on Global Software Engineering

2013-2018	CRIWG - International Conference on Collaboration and Technology
2011-2012	SBSC - Brazilian Symposium on Collaborative Systems
2007-2009	SBSC - Brazilian Symposium on Collaborative Systems

5.2. Program Committee Member

2026	ICSE - ACM/IEEE International Conference on Software Engineering
2025	SBES - Brazilian Symposium on Software Engineering
2024	ICSE - ACM/IEEE International Conference on Software Engineering
2023	BotSE - International Workshop on Bots in Software Engineering
2022	MSR - International Conference on Mining Software Repositories
2022	SANER - 29th IEEE International Conference on Software Analysis, Evolution and Reengineering
2022	GROUP - ACM International Conference on Supporting Group Work
2022	ICGSE - 16th ACM/IEEE International Conference on Global Software Engineering
2022	SBES - Brazilian Symposium on Software Engineering
2021	MSR - International Conference on Mining Software Repositories
2021	CHASE - International Workshop on Cooperative and Human Aspects of Software Engineering
2021	SBES - Brazilian Symposium on Software Engineering
2021	SBSC - Brazilian Symposium on Collaborative Systems
2020	MSR - International Conference on Mining Software Repositories
2020	GROUP - ACM International Conference on Supporting Group Work
2020	ICGSE 2020 - 15th IEEE/ACM International Conference on Global Software Engineering
2020	SBES 2020 - Brazilian Symposium on Software Engineering
2020	SBCAR 2020 - Brazilian Symposium on Software Components, Architectures and Reuse
2020	VEM 2020 - 8th Workshop on Software Visualization, Evolution and Maintenance
2020	CTD/CSBC - Theses and Dissertation Contest of the Brazilian Computing Society Congress
2019	ESEC/FSE - ACM SIGSOFT Symposium on the Foundations of Software Engineering
2019	ACM CSCW Interactive Posters - ACM Conference on Computer-Supported Cooperative Work and Social Computing
2019	SANER RENE - IEEE International Conference on Software Analysis, Evolution, and Reengineering - REproducibility Studies and NEgative Results Track
2019	AICCSA - 16th ACS/IEEE International Conference on Computer Systems and Applications - Software Engineering Track
2019	BotSE - International Workshop on Bots in Software Engineering
2019	SBSC - Brazilian Symposium on Collaborative Systems
2019	SBES - Brazilian Symposium on Software Engineering, pc chair
2018	ESEC/FSE - ACM SIGSOFT Symposium on the Foundations of Software Engineering
2018	ACM CSCW Posters - ACM Conference on Computer-Supported Cooperative Work and Social Computing - Interactive Posters

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- 2018 **SANER ERA** - IEEE International Conference on Software Analysis, Evolution, and Reengineering – Early Research Achievements Track
- 2018 **CRIWG** - International Conference on Collaboration and Technology
- 2018 **CHASE** - International Workshop on Cooperative and Human Aspects of Software Engineering
- 2018 **IWESEP** - International Workshop on Empirical Software Engineering in Practice
- 2018 **SBES** - Brazilian Symposium on Software Engineering
- 2018 **SBCARS** - Brazilian Symposium on Software Components, Architectures and Reuse
-
- 2017 **CSCW** – The ACM Conference on Computer-Supported Cooperative Work and Social Computing
- 2017 **SANER ERA** - IEEE International Conference on Software Analysis, Evolution, and Reengineering – Early Research Achievements Track
- 2017 **ICSE WS** - ACM International Conference on Software Engineering – Workshop proposals (2017)
- 2017 **CRIWG** - International Conference on Collaboration and Technology
- 2017 **CHASE** - International Workshop on Cooperative and Human Aspects of Software Engineering
- 2017 **ENIC** - European Network Intelligence Conference
- 2017 **SBES** - Brazilian Symposium on Software Engineering
- 2017 **SBSC** - Brazilian Symposium on Collaborative Systems
- 2017 **SBCARS** - Brazilian Symposium on Software Components, Architectures and Reuse
- 2017 **VEM** - Brazilian Workshop on Visualization, Evolution, and Software Maintenance
-
- 2016 **CSCW** – The ACM Conference on Computer-Supported Cooperative Work and Social Computing
- 2016 **SANER** - IEEE International Conference on Software Analysis, Evolution, and Reengineering
- 2016 **SANER ERA** - IEEE International Conference on Software Analysis, Evolution, and Reengineering – Early Research Achievements Track
- 2016 **CRIWG** - International Conference on Collaboration and Technology
- 2016 **CHASE** - International Workshop on Cooperative and Human Aspects of Software Engineering
- 2016 **MSR** - Working Conference on Mining Software Repositories
- 2016 **ESELAW** - Experimental Software Engineering Latin American Workshop
- 2016 **SBES** - Brazilian Symposium on Software Engineering
- 2016 **SBSC** - Brazilian Symposium on Collaborative Systems
- 2016 **SBIE** - Brazilian Symposium on Informatics in Education
- 2016 **SBCARS** - Brazilian Symposium on Software Components, Architectures and Reuse
- 2016 **VEM** - Brazilian Workshop on Visualization, Evolution, and Software Maintenance
- 2016 **JAI** - Brazilian Jornada de Atualização em Informática
- 2016 **WSL** - International Free Software Workshop
-
- 2015 **CRIWG** - International Conference on Collaboration and Technology
- 2015 **CHASE** - International Workshop on Cooperative and Human Aspects of Software Engineering
- 2015 **ESELAW** - Experimental Software Engineering Latin American Workshop
- 2015 **CIAWI** - Ibero Americana WWW/Internet Conference
- 2015 **ICPC** - International Conference on Program Comprehension - Tool Demonstrations track

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- 2015 **SAC** - SIGAPP Symposium on Applied Computing, **IILE** - Intelligent and Interactive Learning Environments track
- 2015 **SBES** - Brazilian Symposium on Software Engineering
- 2015 **SBSC** - Brazilian Symposium on Collaborative Systems
- 2015 **SBCARS** - Brazilian Symposium on Software Components, Architectures and Reuse
- 2015 **VEM** - Brazilian Workshop on Visualization, Evolution, and Software Maintenance
- 2015 **WDES** - Brazilian Workshop of Distributed Software Development, Software Ecosystems, and Systems of Systems
- 2015 **WSL** - International Free Software Workshop
-
- 2014 **CRIWG** - International Conference on Collaboration and Technology
- 2014 **CHASE** - International Workshop on Cooperative and Human Aspects of Software Engineering
- 2014 **ESELAW** - Experimental Software Engineering Latin American Workshop
- 2014 **CIAWI** - Ibero Americana WWW/Internet Conference
- 2014 **SAC** - SIGAPP Symposium on Applied Computing, **IILE** - Intelligent and Interactive Learning Environments track
- 2014 **IWESEP** - International Workshop on Empirical Software Engineering in Practice
- 2014 **CSMR/WCRE** - European Conference on Software Maintenance and Reengineering
- 2014 **SBES** - Brazilian Symposium on Software Engineering
- 2014 **SBSC** - Brazilian Symposium on Collaborative Systems
- 2014 **SBCARS** - Brazilian Symposium on Software Components, Architectures and Reuse
- 2014 **SBQS** - Brazilian Symposium on Software Quality
- 2014 **VEM** - Brazilian Workshop on Visualization, Evolution, and Software Maintenance
- 2014 **WDES** - Brazilian Workshop of Distributed Software Development, Software Ecosystems, and Systems of Systems
- 2014 **FEES** - Brazilian Education Forum on Software Engineering
-
- 2013 **CRIWG** - International Conference on Collaboration and Technology
- 2013 **ESELAW** - Experimental Software Engineering Latin American Workshop
- 2013 **CIAWI** - Ibero Americana WWW/Internet Conference
- 2013 **SBES** - Brazilian Symposium on Software Engineering
- 2013 **SBSC** - Brazilian Symposium on Collaborative Systems
- 2013 **SBCARS** - Brazilian Symposium on Software Components, Architectures and Reuse
- 2013 **SBQS** - Brazilian Symposium on Software Quality
- 2013 **VEM** - Brazilian Workshop on Visualization, Evolution, and Software Maintenance
- 2013 **WDES** - Brazilian Workshop of Distributed Software Development, Software Ecosystems, and Systems of Systems
- 2013 **WBMA** - Brazilian Workshop on Agile Methods
- 2013 **SBPC** - Brazilian Society for the Advancement of Science
-
- 2012 **CRIWG** - International Conference on Collaboration and Technology
- 2012 **ESELAW** - Experimental Software Engineering Latin American Workshop
- 2012 **CIAWI** - Ibero Americana WWW/Internet Conference
- 2012 **SBES** - Brazilian Symposium on Software Engineering
- 2012 **SBSC** - Brazilian Symposium on Collaborative Systems

2012	SBIE - Brazilian Symposium on Informatics in Education
2012	SBCARS - Brazilian Symposium on Software Components, Architectures and Reuse
2012	SBSI - Brazilian Symposium on Information Systems
2012	WDES - Brazilian Workshop of Distributed Software Development, Software Ecosystems, and Systems of Systems
2012	WBMA - Brazilian Workshop on Agile Methods
2012	WBVS - Brazilian Workshop on Software Visualization
2012	SBPC - Brazilian Society for the Advancement of Science
2011	CRIWG - International Conference on Collaboration and Technology
2011	ESELAW - Experimental Software Engineering Latin American Workshop
2011	SBSC - Brazilian Symposium on Collaborative Systems
2011	SBIE - Brazilian Symposium on Informatics in Education
2011	SBCARS - Brazilian Symposium on Software Components, Architectures and Reuse
2011	SBPC - Brazilian Society for the Advancement of Science
2010	CSCWD - International Conference on Computer Supported Cooperative Work in Design
2010	SBSC - Brazilian Symposium on Collaborative Systems
2010	SBIE - Brazilian Symposium on Informatics in Education
2010	SBCARS - Brazilian Symposium on Software Components, Architectures and Reuse
2010	WIE - Brazilian Workshop on Informatics in Schools
2010	SBPC - Brazilian Society for the Advancement of Science
2009	CSCWD - International Conference on Computer Supported Cooperative Work in Design
2009	SBSC - Brazilian Symposium on Collaborative Systems
2008	SBSC - Brazilian Symposium on Collaborative Systems
2007	CIAWI - Ibero Americana WWW/Internet Conference
2007	IRMA - International Conference of the Information Resources Management Association (2007)
2007	SBSC - Brazilian Symposium on Collaborative Systems
2007	SBIE - Brazilian Symposium on Informatics in Education
2006	CIAWI - Ibero Americana WWW/Internet Conference
2006	SBSC - Brazilian Symposium on Collaborative Systems
2006	SBIE - Brazilian Symposium on Informatics in Education

5.3. Invited Reviewer for Events

2020	CHI - ACM conference on Human Factors in Computing Systems
2019	DIS - ACM Designing Interactive Systems
2019	CHI - ACM conference on Human Factors in Computing Systems
2018	CHI - ACM conference on Human Factors in Computing Systems
2017	INTERACT - International Conference on Human-Computer Interaction (HCI)
2015	CHI - ACM conference on Human Factors in Computing Systems

- 2014 **CSCW** - 17th ACM Computer Supported Cooperative Work
- 2013 **FSE** - 13th ACM SIGSOFT Symposium on the Foundations of Software Engineering
- 2012 **WEI** - XX Workshop sobre Educação em Computação
- 2011 **WEI** - XIX Workshop sobre Educação em Computação
- 2010 **WCGE** - II Workshop de Computação Aplicada em Governo Eletrônico
- 2010 **CTD** - XXIII Concurso de Teses e Dissertações
- 2010 **ICWS** - 8th IEEE International Conference on Web Services
- 2009 **WCGE** - I Workshop de Computação Aplicada em Governo Eletrônico
- 2009 **SEMISH** - XXXVI Seminário Integrado de Software e Hardware
- 2009 **JAI** - XXVIII Jornadas de Atualização em Informática
- 2009 **SBCARS** - III Simpósio Brasileiro de Componentes, Arquiteturas e Reúso
- 2009 **Middleware** - ACM 10th International Middleware Conference
- 2009 **CHI** - 27th ACM Conference on Computer-Human Interaction
- 2007 **JNPC** - II Jornada Nacional da Produção Científica em Educação Profissional e Tecnológica
- 2006 **IFIP WCC** - 19th World Computer Congress
- 2006 **WIE** - XII Workshop de Informática na Escola
- 2006 **SEMISH** - XXXIII Seminário Integrado de Software e Hardware
- 2006 **CRIWG** - 12th International Workshop on Groupware
- 2005 **CSCL** - Computer Supported Collaborative Learning
- 2005 **WCCE** - 8th IFIP World Conference on Computers in Education
- 2005 **CSCWD** - 9th International Conference on CSCW in Design
- 2005 **SEMISH** - XXXII Seminário Integrado de Software e Hardware
- 2005 **WIE** - Workshop de Informática na Educação
- 2005 **SBIE** - XVI Simpósio Brasileiro de Informática na Educação
- 2005 **WCSCW** - II Workshop Brasileiro de Tecnologias para Colaboração
- 2004 **WIE** - X Workshop de Informática na Educação
- 2004 **CRIWG** - 10th International Workshop on Groupware
- 2004 **WCSCW** - I Workshop Brasileiro de Tecnologias para Colaboração
- 2004 **SBIE** - XV Simpósio Brasileiro de Informática na Educação
- 2003 **WIE** - IX Workshop de Informática na Educação
- 2003 **CRIWG** - 9th International Workshop on Groupware
- 2003 **SBIE** - XIV Simpósio Brasileiro de Informática na Educação
- 2003 **WEBMEDIA** (trilha especial de CSCW) - IX Simpósio Brasileiro de Sistemas Multimídias e Web
- 2002 **HICSS** - 35th Hawaii International Conference on System Sciences
- 2002 **SBIE** - XIII Simpósio Brasileiro de Informática na Educação

5.4. Guest Editor of Journals (5)

- 2021 Shihab, E., Wagner, S., Gerosa, M.A., Wessel, M., Cabot, J., “Special Issue on Bots in Software Engineering”, IEEE Software Magazine
- 2017 Gerosa, M.A., Sevilla, R.C., Oliveira, E., Almeida, E., “Special Issue on the best papers from the VII Brazilian Conference on Software”, SpringOpen Journal of the Brazilian Computer Society, ISBN 1678-4804
- 2016 de Vreede, G.-J., Antunes, P., Vassileva, J., Gerosa, M.A., Wu, K., “Special Issue on Collaboration Technology in Teams and Organizations”, Information Systems Frontiers Journal, ISSN 1387-3326.
- 2015 Gerosa M.A., Redmiles D., Bjørn P. & Sarma A., Special Issue on Software Engineering from a Social Network Perspective, SpringerOpen Journal of Internet Services and Applications (JISA).
- 2007 Fuks, H., Salgado, A.C. & Gerosa, M.A. (orgs), Special Issue on Groupware, Revista Scientia, Vol. 18, Number 02, ISSN 0104-1770, July-December 2007.

5.5. Editorial Board of Journals (2)

- 2019-present Journal of Software Engineering Research and Development (ISSN 2195-1721)
- 2008-present Journal of Applied Computing Research (ISSN 2236-8434)

5.6. Reviewer of Journal Articles

- JR.19 Communications of the ACM: 2024
- JR.18 Empirical Software Engineering Journal: 2023, 2022
- JR.17 IEEE Software: 2022, 2017, 2016, 2015
- JR.16 IEEE Transactions on Computational Social Systems (TCSS): 2021
- JR.15 ACM Transactions on Software Engineering and Methodology (TOSEM): 2021
- JR.14 Journal of Systems and Software (JSS): 2020, 2019
- JR.13 IEEE Transactions on Software Engineering (TSE): 2018, 2014
- JR.12 Journal of Internet Services and Applications (JISA), Springer: 2018, 2017, 2011
- JR.11 Information and Software Technology (IST), Elsevier: 2017, 2016
- JR.10 Journal of Computer Supported Cooperative Work (JCSCW): 2014
- JR.9 Journal of Software Engineering Research and Development (JSERD), Springer: 2013
- JR.8 Journal of the Brazilian Computer Society (JBSCS): 2012, 2008
- JR.7 Computers & Education: 2012, 2010
- JR.6 Journal of Universal Computer Science (JUCS): 2012
- JR.5 IEEE Transactions on Learning Technologies: 2010
- JR.4 Computer Communications: 2010
- JR.3 Scientia, Interdisciplinary Studies in Computer Science: 2009, 2007
- JR.2 Revista Brasileira de Informática na Educação (RBIE): 2006
- JR.1 Journal of Computer Science (INFOCOMP): 2005

5.7. Other Reviewing Activities

- 2026 **Mining Software Repositories (MSR) Conference**
Awards Committee
- 2020 **Springer**
Review of a book proposal
- 2014-2015 **ACM Computing Reviews**
Reviews for books and articles

5.8. Reviewer of Grant Proposals

2024	NSF - National Science Foundation (panelist)	6 proposals
2023	Ministry of Education in the United Arab Emirates (UAE)	6 proposals
2022	NSF - National Science Foundation (panelist)	6 proposals
2021	Fonds de la Recherche Scientifique - FNRS	1 proposal
2019	NASA - The National Aeronautics and Space Administration	2 proposals
2018	NSF - National Science Foundation (panelist)	12 proposals
2009-2019	São Paulo Research Foundation (FAPESP)	40 proposals
2010-2016	Brazilian Council for Scientific and Technological Development (CNPq)	25 proposals
2014-2015	Brazilian Ministry of Science, Technology, and Innovation (MCTI)	13 proposals
2010-2016	University of São Paulo	9 proposals
2011-2015	Bahia Research Foundation (FAPESB)	2 proposals
2011	Brazilian Coordination for the Improvement of Higher Education (CAPES)	1 proposal
2011	Brazilian Innovation Agency (FINEP)	1 proposal

5.9. External Committees

5.9.1. Search Committee as External Member (14)

- 2012 Federal University of Espírito Santo (UFES), Brazil
- 2012 Information Systems Department, University of São Paulo (USP), Brazil
- 2012 Information Systems Department, University of São Paulo (USP), Brazil
- 2011 Information Systems Department, University of São Paulo (USP), Brazil
- 2011 University of São Paulo (USP)
- 2011 Federal University of São Paulo (UNIFESP)
- 2011 Federal University of São Paulo (UNIFESP)
- 2011 Federal University of ABC (UFABC)
- 2010 Federal University of Espírito Santo (UFES)
- 2010 Information Systems Department, University of São Paulo (USP), Brazil
- 2010 Federal University of São Paulo (UNIFESP)
- 2009 Math and Statistics Institute, University of São Paulo (USP)
- 2009 Federal University of ABC (UFABC)
- 2009 Federal University of São Paulo (UNIFESP)

5.9.2. Other Committees (4)

2022	Taibah University (TU), Madinah, Saudi Arabia	Evaluation of scientific work for promotion to the rank of associate professor
2016	University of São Paulo	“Livres Docência” Committee for Rosana Braga (ICMC/USP)
2015	Brazilian Ministry of Science, Technology, and Innovation (MCTI)	Advisory Committee for Information Technology and Communication (CAT-TIC) - Coordinator
2014	Brazilian Ministry of Science, Technology, and Innovation (MCTI)	Advisory Committee for Information Technology and Communication (CAT-TIC)

6. Service to the University

6.1.1. University-level

2025	NAU	Reviewer of the AI Literacy Course
2024	NAU	AI Cluster Hire Search Committee, member
2023	NAU	Generative AI in Education Task Force, member
2012-2015	USP	Chair of NAWEB, a Research Center of the Provost of Research
2006-2008	UVV	Co-chair of the Distance Education Center
2006-2008	UVV	Member of the Graduation, Research, and Extension Chamber

6.1.2. College-level

2018-2019	NAU	Academic Integrity Committee
2014-2016	IME/USP	Director of the Center of Computing Education (CEC)
2009-2013	IME/USP	Institutional Webmaster
2011-2013	IME/USP	Editorial Member of the Institutional Journal
2008-2012	IME/USP	Summer Courses Committee

6.1.3. Department/School-level

2025-2026	NAU	Faculty Status Committee (FSC) - member
2024-2025	NAU	Faculty Status Committee (FSC) - chair
2022	NAU	SICCS Director Screening Committee - member
2022	NAU	Search committee for an assistant professor - member
2022-2023	NAU	Faculty Status Committee (FSC) - chair
2021-2022	NAU	Faculty Status Committee (FSC) - chair
2020-2021	NAU	Faculty Status Committee (FSC) - chair
2019	NAU	Search committee for an assistant professor position - chair
2017-2019	NAU	Faculty Status Committee (FSC) - member
2018-2019	NAU	Graduate Recruiting Committee
2017-...	NAU	CS Curriculum Committee

2014-2016	USP	Member of the Graduate Coordination Committee
2013-2015	USP	Elected Member of the Department Council
2011-2012	USP	Elected Member of the Department Council
2009-2010	USP	Elected Member of the Department Council
2009-2012	USP	Course Allocation Committee
2006-2008	UVV	Co-chair of the Distance Education Center
2006-2008	UVV	Member of the Graduation, Research, and Extension Chamber
2005-2008	UVV	Undergraduate Course Coordinator
2004-2005	UniCarioca	Undergraduate Course Coordinator / Department Chair

7. Awards and Honors

34.	Scholarly	Distinguished paper award at 19th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE 2026)	2026
33.	Scholarly	Distinguished paper award at 18th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE 2025)	2025
32.	Student-related	Co-advisor of ACM SIGSOFT Outstanding Dissertation Award recipient (Bianca Trinkenreich), 2024.	2024
31.	Scholarly	Best paper award at the 7 th International Workshop on Chatbot Research (CONVERSATIONS 2023)	2023
30.	Scholarly	ACM SIGSOFT Distinguished Paper Award at the 45 th International Conference on Software Engineering (ICSE 2023)	2023
29.	Scholarly	Best paper award at the International Conference on Software Engineering (ICSE 2022), Software Engineering in Society (SEIS) track	2022
28.	Student-related	Nomination for the 2022 Research and Creative Activity (RCA) Award for Graduate Research Mentorship , Northern Arizona University	2022
27.	Student-related	Distinguished Mentorship Award , College of Engineering, Informatics, and Applied Sciences, Northern Arizona University	2021
26.	Student-related	Nomination for the 2021 Research and Creative Activity (RCA) Award for Graduate Research Mentorship , Northern Arizona University	2021
25.	Student-related	Nomination for a Distinguished Mentorship Award , College of Engineering, Informatics, and Applied Sciences, Northern Arizona University	2020
24.	Scholarly	IEEE Computer Society TCSE Distinguished Paper Award at the 36 th IEEE International Conference on Software Maintenance and Evolution	2020
23.	Service	Distinguished Service Award at the 36 th IEEE International Conference on Software Maintenance and Evolution for the distinguished service as Doctoral Symposium Co-Chair	2020
22.	Scholarly	Best paper award at the 16th International Symposium on Open Collaboration	2020
21.	Scholarly	Productivity Research Fellow of the Brazilian Council for Scientific and Technological Development (CNPq) for three consecutive three-year periods	2010-2019
20.	Scholarly	Promotion to Senior Member of the Institute of Electrical and Electronics Engineers (IEEE)	2017

19.	Scholarly	Promotion to Senior Member of the Association for Computing Machinery (ACM)	2017
18.	Scholarly	Best paper nomination at HICSS'48 – Hawaii International Conference on Software Systems	2015
17.	Scholarly	"Livre Docente" title from the University of São Paulo; promotion to Associate Professor	2013
16.	Scholarly	Best paper at WBMA 2013 – Brazilian Workshop on Agile Methods	2013
15.	Scholarly	Honorable Mention at the USP Knowledge Olympics for the project “Smart Audio City Guide”	2013
14.	Scholarly	3rd place in the Imagine Cup Brazil for the project “Smart Audio City Guide”	2012
13.	Scholarly	2nd best paper at SBSC 2012 – Brazilian Symposium on Collaborative Systems	2012
12.	Scholarly	Support stamp from the Brazilian Ministry of Culture for the project “Arquigrafia”	2012
11.	Scholarly	3rd place in the Jabuti National Literature Prize for the book <i>Sistemas Colaborativos (Collaborative Systems)</i> , for which I wrote three chapters	2012
10.	Scholarly	1st place in the Innovation Olympics of the University of São Paulo for the “Arquigrafia” project	2011
9.	Student-related	Honored lecturer 2007 class of the University of Vila Velha, Espírito Santo, Brazil	2007
8.	Scholarly	Best paper nomination at CSCL 2005 – Computer Supported Collaborative Learning conference	2005
7.	Student-related	Honored lecturer 2004 class of the UniCarioca University, Rio de Janeiro, Brazil	2004
6.	Scholarly	Best paper nomination at SBIE 2003 – Brazilian Symposium on Informatics in Education	2003
5.	Scholarly	1st place in the entrance selection process for the PhD course at Catholic University of Rio de Janeiro, Brazil	2002
4.	Scholarly	1st place in the National Exam of Computer Engineering of the Ministry of Education, scoring 98%	1999
3.	Scholarly	3rd place in the entrance exam for the Bachelor of Computer Engineering course , Federal University of Espírito Santo, Brazil	1995
2.	Scholarly	6th place in the Math Olympic Games , Espírito Santo state, Brazil	1994
1.	Scholarly	1st place among 8,000 candidates in the entrance exam for the Technical School of Espírito Santo , Brazil, scoring 92.5%	1991

8. Additional information

Personal web site:	http://www.marcoagerosa.com
Google Scholar:	https://scholar.google.com.br/citations?user=kjtuhEQAAAAJ
DBLP:	https://dblp.org/pid/68/5072.html
ORCID:	https://orcid.org/0000-0003-1399-7535
LinkedIn:	https://br.linkedin.com/pub/marco-aurelio-gerosa/1a/462/322
CNPq-CV Lattes:	https://lattes.cnpq.br/4507073071352893 (Brazilian standard CV, in Portuguese)