**Christoph TREUDE**

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## Education

PhD, University of Victoria, Canada, 2012

Diplom in Computer Science, University of Siegen, Germany, 2007

## Academic Appointments

Associate Professor of Computer Science, School of Computing and Information Systems, SMU, Jan 2024 - Present

Senior Lecturer, School of Computing and Information Systems, The University of Melbourne, Australia, Sep 2021 - Dec 2023

Senior Lecturer, School of Computer Science, University of Adelaide, Australia, Jan 2016 - Sep 2021

## Awards and Honors

Distinguished Reviewer Award, FSE 2024, 2024

Best Reviewer Award, TechDebt 2024, 2024

Distinguished Reviewer Award, ESEC/FSE 2022, 2022

ACM SIGSOFT Distinguished Paper Award, ICSE 2021, 2021

Best Paper Award, TechDebt 2021, 2021

ACM SIGSOFT Distinguished Paper Award, ASE 2019, 2019

Best Paper Award, ESEM 2019, 2019

Distinguished Reviewer Award, Empirical Software Engineering, 2018

Best Paper Award, SBSC 2015, 2015

Most Promising Idea Award, ICPC 2013, 2013

## Professional Memberships

Member, Institute of Electrical and Electronics Engineers, 2017

Member, Association for Computing Machinery, 2007

## RESEARCH

### Publications

Journal Articles [Refereed]

Shield broken: Black-box adversarial attacks on LLM-based vulnerability detectors, by JIANG, Yuan; HUANG, Shan; TREUDE, Christoph; SU, Xiaohong; WANG, Tiantian. (2026). *IEEE Transactions on Software Engineering, 52* 246-265. https://www.researchgate.net/publication/398260447_Shield_Broken_Black-Box_Adversarial_Attacks_on_LLM-Based_Vulnerability_Detectors (Published)

Do comments and expertise still matter? An experiment on programmers' adoption of AI-generated JavaScript code, by LI, Changwen; TREUDE, Christoph; TUREL, Ofir. (2026). *Journal of Systems and Software, 231* 1-19. https://doi.org/10.1016/j.jss.2025.112634 (Published)

A case study of gender and online team communication in software engineering education, by GARCIA, Rita; TREUDE, Christoph. (2026). *Journal of Systems and Software, 231* 1-23. https://doi.org/10.1016/j.jss.2025.112644 (Published)

Enhancing fine-grained vulnerability detection with reinforcement learning, by JIANG, Yuan; QU, Zhichen; TREUDE, Christoph; SU, Xiaohong; WANG, Tiantian. (2025). *IEEE Transactions on Software Engineering, 51* (10), 2900-2920. https://doi.org/10.1109/TSE.2025.3603400 (Published)

Leveraging reviewer experience in code review comment generation, by LIN, Hong Yi; THONGTANUNAM, Patanamon; TREUDE, Christoph; GODFREY, Michael W.; LIU, Chunhua; CHAROENWET, Wachiraphan. (2025). *ACM Transactions on Software Engineering and Methodology,* 1-34. https://doi.org/10.1145/3762183 (Published)

Information-theoretic detection of unusual source code changes, by TORRES, Adriano; WAGNER, Markus; TREUDE, Christoph; BALTES, Sebastian. (2025). *Empirical Software Engineering, 30* (5), 1-45. https://doi.org/10.1007/s10664-025-10644-y (Published)

LLM-based multi-agent systems for software engineering: Literature review, vision and the road ahead, by HE, Junda; TREUDE, Christoph; LO, David. (2025). *ACM Transactions on Software Engineering and Methodology, 34* (5), 1-30. https://doi.org/10.1145/3712003 (Published)

Cross-level requirements tracing based on large language models, by GE, Chuyan; WANG, Tiantian; YANG, Xiaotian; TREUDE, Christoph. (2025). *IEEE Transactions on Software Engineering, 51* (7), 2044-2066. (Published)

DPS: Design pattern summarisation using code features, by NAZAR, Najam; SIKKA, Sameer; TREUDE, Christoph. (2025). *Empirical Software Engineering,* 1-32. (Published)

Characterising reproducibility debt in scientific software: A systematic literature review, by HASSAN, Zara; TREUDE, Christoph; NORRISH, Michael; WILLIAMS, Graham; POTANIN, Alex. (2025). *Journal of Systems and Software, 222* 1-30. https://doi.org/10.1016/j.jss.2024.112327 (Published)

The role of surprisal in issue trackers, by CADDY, James; TREUDE, Christoph; WAGNER, Markus; BARR, Earl T.. (2025). *Empirical Software Engineering, 30* (1), 1-34. https://doi.org/10.1007/s10664-024-10587-w (Published)

Towards resource-efficient reactive and proactive auto-scaling for microservice architectures, by AHMAD, Hussain; TREUDE, Christoph; WAGNER, Markus; SZABO, Claudia. (2025). *Journal of Systems and Software, 225* (C), 1-18. (Published)

Adapting installation instructions in rapidly evolving software ecosystems, by GAO, Haoyu; TREUDE, Christoph; ZAHEDI, Mansooreh. (2025). *IEEE Transactions on Software Engineering, 51* (4), 1334-1357. https://doi.org/10.1109/TSE.2025.3552614 (Published)

StagedVulBERT: Multi-granular vulnerability detection with a novel pre-trained code model, by JIANG,

Yuan; ZHANG, Yujian; SU, Xiaohong; TREUDE, Christoph; WANG, Tiantian. (2024). *IEEE Transactions on Software Engineering, 50* (12), 3454-3471. https://doi.org/10.1109/TSE.2024.3493245 (Published)

Generative AI in software engineering must be human-centered: The Copenhagen Manifesto, by Russo, D.; Baltes, S. van Berkel, N.; Treude, Cristoph. (2024). *Journal of Systems and Software, 216* 1-2. https://doi.org/10.1016/j.jss.2024.112115 (Published)

Developer reactions to protestware in open source software: The cases of color.js and es5.ext, by FAN, Youmei; WANG, Dong; WATTANAKRIENGKRAI, Supatsara; DAMRONGSIRI, Hathaichanok; TREUDE, Christoph; HATA, Hideaki; KULA, Raula Gaikovina. (2024). *Empirical Software Engineering, 30* (2), 1-27. https://doi.org/10.1007/s10664-024-10599-6 (Published)

Generative AI for pull request descriptions: Adoption, impact, and developer interventions, by XIAO, Tao; HATA, Hideaki; TREUDE, Christoph; MATSUMOTO, Kenichi. (2024). *Proceedings of the ACM on Software Engineering, 1* (FSE), 1043-1065. https://doi.org/10.1145/3643773 (Published)

Toward effective secure code reviews: An empirical study of security-related coding weaknesses, by CHAROENWET, Wachiraphan; THONGTANUNAM, Patanamon; PHAM, Thuan; TREUDE, Christoph. (2024). *Empirical Software Engineering, 29* (4), 1-47. https://doi.org/10.1007/s10664-024-10496-y (Published)

Large language models for qualitative research in software engineering: exploring opportunities and challenges, by BANO, Muneera; HODA, Rashina; ZOWGHI, Didar; TREUDE, Christoph. (2024). *Automated Software Engineering, 31* (1), 1-12. https://doi.org/10.1007/s10515-023-00407-8 (Published)

Detecting outdated code element references in software repository documentation, by TAN, Wen Siang; WAGNER, Markus; TREUDE, Christoph. (2024). *Empirical Software Engineering, 29* (1), 1-25. https://doi.org/10.1007/s10664-023-10397-6 (Published)

Mutation analysis for evaluating code translation, by GUIZZO, Giovani; ZHANG, Jie M.; SARRO, Federica; TREUDE, Christoph; HARMAN, Mark. (2024). *Empirical Software Engineering, 29* (1), 1-23. https://doi.org/10.1007/s10664-023-10385-w (Published)

The impact of sanctions on GitHub developers and activities, by FAN, Youmei; Hovhannisyan Ani; HATA, Hideaki; TREUDE, Christopher; KULA, Raula G.. (2024). *IEEE Software, 42* (6), 1-4. https://doi.org/10.1109/MS.2024.3505204 (Advance Online)

GitHub Actions: The impact on the pull request process, by WESSEL, Mairieli; VARGOVICH, Joseph; GEROSA, Marco; TREUDE, Christoph. (2023). *Empirical Software Engineering, 28* (6), 1-35. https://doi.org/10.1007/s10664-023-10369-w (Published)

The impact of a continuous integration service on the delivery time of merged pull requests, by BERNARDO, João Helis; DA COSTA, Daniel Alencar; KULESZA, Uirá; TREUDE, Christoph. (2023). *Empirical Software Engineering, 28* (4), 1-57. https://doi.org/10.1007/s10664-023-10327-6 (Published)

18 million links in commit messages: purpose, evolution, and decay, by XIAO, Tao; BALTES, Sebastian; HATA, Hideaki; TREUDE, Christoph; KULA, Raula; ISHIO, Takashi; MATSUMOTO, Kenichi. (2023). *Empirical Software Engineering, 28* (4), 1-29. https://doi.org/10.1007/s10664-023-10325-8 (Published)

Understanding the role of external pull requests in the NPM ecosystem, by MAEPRASART, Vittunyuta; WATTANAKRIENGKRAI, Supatsara; KULA, Raula Gaikovina; TREUDE, Christoph; MATSUMOTO, Kenichi. (2023). *Empirical Software Engineering, 28* (4), 1-23. https://doi.org/10.1007/s10664-023-10315-w (Published)

NCQ: Code reuse support for Node.js developers, by REID, Brittany; D'AMORIM, Marcelo; WAGNER, Markus; TREUDE, Christoph. (2023). *IEEE Transactions on Software Engineering, 49* (5), 3205-3225. https://doi.org/10.1109/TSE.2023.3248113 (Published)

Does deep learning improve the performance of duplicate bug report detection? An empirical study, by JIANG, Yuan; SU, Xiaohong; TREUDE, Christoph; SHANG, Chao; WANG, Tiantian. (2023). *Journal of Systems and Software, 198* 1-26. https://doi.org/10.1016/j.jss.2023.111607 (Published)

Giving back: Contributions congruent to library dependency changes in a software ecosystem, by WATTANAKRIENGKRAI, Supatsara; WANG, Dong; KULA, Raula Gaikovina; TREUDE, Christoph; THONGTANUNAM, Patanamon; ISHIO, Takashi; MATSUMOTO, Kenichi. (2023). *IEEE Transactions on Software Engineering, 49* (4), 2566-2579. https://doi.org/10.1109/TSE.2022.3225197 (Published)

An empirical study of package management issues via Stack Overflow, by ISLAM, Syful; KULA, Raula;

TREUDE, Christoph; CHINTHANET, Bodin; ISHIO, Takashi; MATSUMOTO, Kenichi. (2023). *IEICE Transactions on Information and Systems, E106D* (2), 138-147. https://doi.org/10.1587/transinf.2022MPP0001 (Published)

How developers engineer test cases: An observational study, by ANICHE, Maurício; TREUDE, Christoph; ZAIDMAN, Andy. (2022). *IEEE Transactions on Software Engineering, 48* (12), 4925-4946. https://doi.org/10.1109/TSE.2021.3129889 (Published)

A fine-grained data set and analysis of tangling in bug fixing commits, by HERBOLD, Steffen; TRAUTSCH, Alexander; LEDEL, Benjamin; AGHAMOHAMMADI, Alireza; GHALEB, Taher Ahmed; KAUR CHAHAL, Kuljit; BOSSENMAIER, Tim; NAGARIA, Bhaveet; MAKEDONSKI, Philip; AHMADABADI, Matin Nili; SZABADOS, Kristóf; SPIEKER, Helge; MADEJA, Matej; HOY, Nathaniel G.; LENARDUZZI, Valentina; WANG, Shangwen; RODRÍGUEZ-PÉREZ, Gema; COLOMO-PALACIOS, Ricardo; VERDECCHIA, Roberto; SINGH, Paramvir; QIN, Yihao; CHAKROBORTI, Debasish; DAVIS, Willard; WALUNJ, Vijay; WU, Hongjun; MARCILIO, Diego; ALAM, Omar; ALDAEEJ, Abdullah; AMIT, Idan; TURHAN, Burak; EISMANN, Simon; WICKERT, Anna-Katharina; MALAVOLTA, Ivano; SULÍR, Matúš; FARD, Fatemeh; HENLEY, Austin Z.; KOURTZANIDIS, Stratos; TÜZÜN, Eray; TREUDE, Christoph; SHAMASBI, Simin Maleki; PASHCHENKO, Ivan; WYRICH, Marvin; DAVIS, James C.; SEREBRENIK, Alexander; ALBRECHT, Ella; AKTAS, Ethem Utku; STRÜBER, Daniel; ERBEL, Johannes. (2022). *Empirical Software Engineering, 27* (6), 1-49. https://doi.org/10.1007/s10664-021-10083-5 (Published)

API-related developer information needs in Stack Overflow, by LIU, Mingwei; PENG, Xin; MARCUS, Andrian; XING, Shuangshuang; TREUDE, Christoph; ZHAO, Chengyuan. (2022). *IEEE Transactions on Software Engineering, 48* (11), 4485-4500. https://doi.org/10.1109/TSE.2021.3120203 (Published)

Hierarchical semantic-aware neural code representation, by JIANG, Yuan; SU, Xiaohong; TREUDE, Christoph; WANG, Tiantian. (2022). *Journal of Systems and Software, 191* 1-21. https://doi.org/10.1016/j.jss.2022.111355 (Published)

Self-adaptive systems: A systematic literature review across categories and domains, by WONG, Terence; WAGNER, Markus; TREUDE, Christoph. (2022). *Information and Software Technology, 148* 1-25. https://doi.org/10.1016/j.infsof.2022.106934 (Published)

Challenges for inclusion in software engineering: The case of the emerging Papua New Guinean society, by KULA, Raula; TREUDE, Christoph; HATA, Hideaki; BALTES, Sebastian; STEINMACHER, Igor; GEROSA, Marco; KULA AMINI, Winifred. (2022). *IEEE Software, 39* (3), 67-76. https://doi.org/10.1109/MS.2021.3098116 (Published)

GitHub repositories with links to academic papers: Public access, traceability, and evolution, by WATTANAKRIENGKRAI, Supatsara; CHINTHANET, Bodin; HATA, Hideaki; KULA, Raula; TREUDE, Christoph; GUO, Jin; MATSUMOTO, Kenichi. (2022). *Journal of Systems and Software, 183* 1-13. https://doi.org/10.1016/j.jss.2021.111117 (Published)

GitHub Discussions: An exploratory study of early adoption, by HATA, Hideaki; NOVIELLI, Nicole; BALTES, Sebastian; KULA, Raula; TREUDE, Christoph. (2022). *Empirical Software Engineering, 27* (1), 1-37. https://doi.org/10.1007/s10664-021-10058-6 (Published)

An empirical study of developers' discussions about security challenges of different programming languages, by CROFT, Roland; XIE, Yongzheng; ZAHEDI, Mansooreh; BABAR, Muhammad Ali; TREUDE, Christoph. (2022). *Empirical Software Engineering, 27* (1), 1-52. (Published)

Contextual documentation referencing on Stack Overflow, by BALTES, Sebastian; TREUDE, Christoph; ROBILLARD, Martin P.. (2022). *IEEE Transactions on Software Engineering, 48* (1), 135-149. https://doi.org/10.1109/TSE.2020.2981898 (Published)

The impact of automated feature selection techniques on the interpretation of defect models, by JIARPAKDEE, Jirayus; TANTITHAMTHAVORN, Chakkrit; TREUDE, Christoph. (2020). *Empirical Software Engineering, 25* (5), 3590-3638. https://doi.org/10.1007/s10664-020-09848-1 (Published)

Wait for it: Identifying 'on-hold' self-admitted technical debt, by MAIPRADIT, Rungroj; TREUDE, Christoph; HATA, Hideaki; MATSUMOTO, Kenichi. (2020). *Empirical Software Engineering, 25* (5), 3770-3798. https://doi.org/10.1007/s10664-020-09854-3 (Published)

Google summer of code: Student motivations and contributions, by SILVA, Jefferson O.; WIESE, Igor Scaliante; GERMÁN, Daniel M.; TREUDE, Christoph; GEROSA, Marco Aurélio; STEINMACHER, Igor. (2020). *Journal of Systems and Software, 162* 1-13. https://doi.org/10.1016/j.jss.2019.110487 (Published)

Automatically categorizing software technologies, by NASSIF, Mathieu; TREUDE, Christoph; ROBILLARD, Martin P.. (2020). *IEEE Transactions on Software Engineering, 46* (1), 20-32. https://doi.org/10.1109/TSE.2018.2836450 (Published)

SIEVE: Helping developers sift wheat from chaff via cross-platform analysis, by SULISTYA, Agus; PRANA, Gede A. A. P.; LO, David; TREUDE, Christoph. (2020). *Empirical Software Engineering, 25* (1), 996-1030. https://doi.org/10.1007/s10664-019-09775-w (Published)

Pieces of contextual information suitable for predicting co-changes? An empirical study, by WIESE, Igor Scaliante; KURODA, Rodrigo Takashi; STEINMACHER, Igor; OLIVA, Gustavo A.; RÉ, Reginaldo; TREUDE, Christoph; GEROSA, Marco Aurélio. (2019). *Software Quality Journal, 27* (4), 1481-1503. https://doi.org/10.1007/s11219-019-09456-3 (Published)

Categorizing the Content of GitHub README Files, by PRANA, Gede Artha Ariadi; TREUDE, Christoph; THUNG, Ferdian; ATAPATTU, Thushari; LO, David. (2019). *Empirical Software Engineering, 24* (3), 1-32. https://doi.org/10.1007/s10664-018-9660-3 (Published)

Code smells for Model-View-Controller architectures, by ANICHE, Maurício; BAVOTA, Gabriele; TREUDE, Christoph; GEROSA, Marco Aurélio; VAN DEURSEN, Arie. (2018). *Empirical Software Engineering, 23* (4), 2121-2157. https://doi.org/10.1007/s10664-017-9540-2 (Published)

Unusual events in GitHub repositories, by TREUDE, Christoph; LEITE, Larissa; ANICHE, Maurício. (2018). *Journal of Systems and Software, 142* 237-247. https://doi.org/10.1016/j.jss.2018.04.063 (Published)

The impact of rapid release cycles on the integration delay of fixed issues, by DA COSTA, Daniel Alencar; MCINTOSH, Shane; TREUDE, Christoph; KULESZA, Uirá; HASSAN, Ahmed E.. (2018). *Empirical Software Engineering, 23* (2), 835-904. https://doi.org/10.1007/s10664-017-9548-7 (Published)

Using contextual information to predict co-changes, by WIESE, Igor Scaliante; RÉ, Reginaldo; STEINMACHER, Igor; KURODA, Rodrigo Takashi; OLIVA, Gustavo A.; TREUDE, Christoph; GEROSA, Marco Aurélio. (2017). *Journal of Systems and Software, 128* 220-235. https://doi.org/10.1016/j.jss.2016.07.016 (Published)

Exception handling bug hazards in Android: Results from a mining study and an exploratory survey, by COELHO, Roberta; ALMEIDA, Lucas; GOUSIOS, Georgios; VAN DEURSEN, Arie; TREUDE, Christoph. (2017). *Empirical Software Engineering, 22* (3), 1264-1304. https://doi.org/10.1007/s10664-016-9443-7 (Published)

A study on the geographical distribution of Brazil's prestigious software developers, by FIGUEIRA FILHO, Fernando; PERIN, Marcelo Gattermann; TREUDE, Christoph; MARCZAK, Sabrina; MELO, Leandro de Almeida; MARQUES DA SILVA, Igor; BIBIANO DOS SANTOS, Lucas. (2015). *Journal of Internet Services and Applications, 6* (1), 1-12. https://doi.org/10.1186/s13174-015-0032-6 (Published)

Extracting development tasks to navigate software documentation, by TREUDE, Christoph; ROBILLARD, Martin P.; DAGENAIS, Barthélémy. (2015). *IEEE Transactions on Software Engineering, 41* (6), 565-581. https://doi.org/10.1109/TSE.2014.2387172 (Published)

Work item tagging: Communicating concerns in collaborative software development, by TREUDE, Christoph; STOREY, Margaret-Anne. (2012). *IEEE Transactions on Software Engineering, 38* (1), 19-34. https://doi.org/10.1109/TSE.2010.91 (Published)

Journal Articles [Non-Refereed]

Software engineering in Australasia, by LICORISH, Sherlock A.; TREUDE, Christoph; GRUNDY, John; BLINCOE, Kelly; MACDONELL, Stephen; TANTITHAMTHAVORN, Chakkrit; LI, Li; SCHNEIDER, Jean-Guy. (2021). *Software Engineering Notes, 46* (2), 16-17. https://doi.org/10.1145/3448992.3448995 (Published)

Workshop report from Web2SE 2011: 2nd International Workshop on Web 2.0 for Software Engineering, by TREUDE, Christoph; STOREY, Margaret-Anne; VAN DEURSEN, Arie; BEGEL, Andrew; BLACK, Sue. (2011). *Software Engineering Notes, 36* (5), 24-29. https://doi.org/10.1145/2020976.2020977 (Published)

Workshop report from Web2SE: First workshop on Web 2.0 for software engineering, by TREUDE, Christoph; STOREY, Margaret-Anne; EHRLICH, Kate; VAN DEURSEN, Arie. (2010). *Software Engineering Notes, 35* (5), 459-50. https://doi.org/10.1145/1838687.1838699 (Published)

Books (Refereed)

*Elektronisches geld* by TREUDE, Christoph. (2008). GRIN Verlag. (Published)

Book Chapters

Software engineering dashboards: Types, risks, and future, by STOREY, Margaret-Anne; TREUDE, Christoph. (2019). In SADOWSKI, Caitlin; ZIMMERMANN, Thomas (Ed.), *Rethinking productivity in software engineering* (pp. 179-190) Verlag, Berlin: SpringerLink. (Published)

How team awareness influences perceptions of developer productivity, by TREUDE, Christoph; FIGUEIRA FILHO, Fernando. (2019). In SADOWSKI, Caitlin; ZIMMERMANN, Thomas (Ed.), *Rethinking productivity in software engineering* (pp. 169-178) Verlag, Berlin: SpringerLink. https://doi.org/10.1007/978-1-4842-4221-6_15 (Published)

Facilitating crowd sourced software engineering via stack overflow, by BARZILAY, Ohad; TREUDE, Christoph; ZAGALSKY, Alexey. (2014). In SIM, Susan Elliott; GALLARDO-VALENCIA, Rosalva E. (Ed.), *Finding source code on the web for remix and reuse* (pp. 289-308) New York: Springer . https://doi.org/10.1007/978-1-4614-6596-6_15 (Published)

Smart media: Bridging interactions and services for the smart internet, by STOREY, Margaret-Anne; GRAMMEL, Lars; TREUDE, Christoph. (2010). In CHIGNELL, Mark; CORDY, James; NG, Joanna; YESHA, Yelena (Ed.), *The Smart Internet: Current research and future applications* (pp. 152-169) Berlin: Springer. https://doi.org/10.1007/978-3-642-16599-3_11 (Published)

Conference Proceedings

Generative AI and empirical software engineering: A paradigm shift, by TREUDE, Christoph; STOREY, Margaret-Anne. (2025.0). *Proceedings of the 2nd ACM International Conference on AI-powered Software (AIware 2025), Seoul, South Korea, November 19-20 ,* (pp. 1-7) Seoul, South Korea: https://doi.org/10.48550/arXiv.2502.08108 (Published)

Reproducibility debt in scientific software, by HASSAN, Zara; TREUDE, Christoph; WILLIAMS, Graham; NORRISH, Michael; POTANIN, Alex. (2025.0). *SPLASH Companion '25: Companion Proceedings of the 2025 ACM SIGPLAN International Conference on Systems, Programming, Languages, and Applications: Software for Humanity, Singapore, October 12-18,* (pp. 50-51) New York: ACM. https://doi.org/10.1145/3758316.3765482 (Published)

Educator perceptions of DevOps teaching recommendations and their alignment with common challenges, by FERNANDES, Marcelo Romulo; PAIVA, Pablo; FERINO, Samuel Lucas de Moura; COELHO, Roberta; TREUDE, Christoph; ARANHA, Eduardo; KULESZA, Uirá. (2025.0). *Proceedings of the 39th Brazilian Symposium on Software Engineering, SBES 2025, Recife, Brazil, September 22-26,* (pp. 1-11) Latin America: https://doi.org/10.5753/sbes.2025.11312 (Published)

APIDocBooster: An extract-then-abstract framework leveraging large language models for augmenting API documentation, by YANG, Chengran; LIU, Jiakun; XU, Bowen; TREUDE, Christoph; LYU, Yunbo; HE, Junda; LI, Ming; LO, David. (2025.0). *2025 IEEE International Conference on Software Maintenance and Evolution, ICSME: Auckland, September 7-12: Proceedings,* (pp. 36-47) Los Alamos: IEE Computer Society. https://doi.org/10.1109/ICSME64153.2025.00014 (Published)

From release to adoption: Challenges in reusing pre-trained AI models for downstream developers, by BANYONGRAKKUL, Peerachai; ZAHEDI, Mansooreh; THONGTANUNAM, Patanamon; TREUDE, Christoph; GAO, Haoyu. (2025.0). *Proceedings of the 41st International Conference on Software Maintenance and Evolution, ICSME 2025, Auckland, New Zealand, September 7-12,* (pp. 1-13) Auckland, New Zealand: https://conf.researchr.org/details/icsme-2025/icsme-2025-papers/9/From-Release-to-Adoption-Challenges-in-Reusing-Pre-trained-AI-Models-for-Downstream- (Published)

Static analysis as a feedback loop: Enhancing LLM-generated code beyond correctness, by BLYTH, Scott; LICORISH, Sherlock; TREUDE, Christoph; WAGNER, Markus. (2025.0). *2025 IEEE International Conference on Source Code Analysis and Manipulation (SCAM): Auckland, September 8-9: Proceedings,* (pp. 100-109) Los Alamos: IEEE Computer Society. https://doi.org/10.1109/SCAM67354.2025.00017 (Published)

The code review comprehension assessment for language models, by LIN, Hong Yi; LIU, Chunhua; GAO, Haoyu; THONGTANUNAM, Patanamon; TREUDE, Christoph. (2025.0). *Proceedings of ACL '25: Findings of*

*the Association for Computational Linguistics, Vienna, July 27 - August 1,* (pp. 9138-9166) Vienna, Austria: Association for Computational Linguistics. https://doi.org/10.18653/v1/2025.findings-acl.476 (Published)

Bot-driven development: From simple automation to autonomous software development bots, by TREUDE, Christoph; POSKITT, Christopher M.. (2025.0). *Proceedings of 2025 IEEE/ACM International Workshop on Bots in Software Engineering (BotSE), Ottawa, Canada, April 27,* (pp. 18-22) New York: IEEE. https://doi.org/10.1109/BotSE67031.2025.00012 (Published)

Building bridges across Papua New Guinea’s digital divide in growing the ICT industry, by CHEONG, Marc; ABUZO, Sankwi; HATA, Hideaki; KEVIN, Priscilla; KULA, Winifred; MIROU, Benson; TREUDE, Christoph; WANG, Dong; KULA, Raula Gaikovina. (2025.0). *Proceedings of the 2025 IEEE/ACM Symposium on Software Engineering in the Global South (SEiGS), Ottawa, Canada, May 3*

*,* (pp. 35-40) Los Alamitos, CA: IEEE Computer Society. https://doi.org/10.1109/SEiGS66664.2025.00006 (Published)

Can LLMs replace manual annotation of software engineering artifacts?, by AHMED, Toufique; DEVANBU, Premkumar; TREUDE, Christoph; PRADEL, Michael. (2025.0). *Proceedings of the 2025 IEEE/ACM 22nd International Conference on Mining Software Repositories (MSR), Ottawa, Canada, April 28-29,* (pp. 1-13) Pistacataway: iee. https://doi.org/10.1109/MSR66628.2025.00086 (Published)

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Attracting the community's many eyes: An exploration of user involvement in issue tracking, by GRAMMEL, Lars; SCHACKMANN, Holger; SCHRÖTER, Adrian; TREUDE, Christoph; STOREY, Margaret-Anne. (2010.0). *HAoSE '10: Human Aspects of Software Engineering, Reno, USA, October 17,* (pp. 1-6) New York: ACM. https://doi.org/10.1145/1938595.1938601 (Published)

Awareness 2.0: Staying aware of projects, developers and tasks using dashboards and feeds, by TREUDE, Christoph; STOREY, Margaret-Anne. (2010.0). *ICSE '10: Proceedings of the 32nd ACM/IEEE International Conference on Software Engineering, Cape Town, South Africa, 2010 May 2-8,* (pp. 365-374) Cape Town, South Africa: ACM. https://doi.org/10.1145/1806799.1806854 (Published)

Bridging lightweight and heavyweight task organization: The role of tags in adopting new task categories, by TREUDE, Christoph; STOREY, Margaret-Anne. (2010.0). *ICSE '10: Proceedings of the 32nd ACM/IEEE International Conference on Software Engineering, Cape Town, South Africa, 2010 May 2-8,* (pp. 231-234) Cape Town, South Africa: ACM. https://doi.org/10.1145/1810295.1810337 (Published)

Web2SE: First workshop on web 2.0 for software engineering, by TREUDE, Christoph; STOREY, Margaret-Anne; EHRLICH, Kate; VAN DEURSEN, Arie. (2010.0). *ICSE '10: Proceedings of the 32nd ACM/IEEE International Conference on Software Engineering, Cape Town, South Africa, 2010 May 2-8,* (pp. 457-458) Cape Town, South Africa: ACM. https://doi.org/10.1145/1810295.1810427 (Published)

The role of emergent knowledge structures in collaborative software development, by TREUDE, Christoph. (2010.0). *ICSE '10: Proceedings of the 32nd ACM/IEEE International Conference on Software Engineering, Cape Town, South Africa, 2010 May 2-8,* (pp. 389-392) Cape Town, South Africa: https://doi.org/10.1145/1810295.1810400 (Published)

A comparative exploration of FreeBSD bug lifetimes, by BOUGIE, Gargi; TREUDE, Christoph; GERMÁN, Daniel M.; STOREY, Margaret-Anne. (2010.0). *Proceedings of the 7th IEEE Working Conference on Mining Software Repositories (MSR 2010), Cape Town, South Africa, May 2-3,* (pp. 106-109) Piscataway, NJ: IEEE. https://doi.org/10.1109/MSR.2010.5463291 (Published)

Mashup environments in software engineering, by GRAMMEL, Lars; TREUDE, Christoph; STOREY, Margaret-Anne. (2010.0). *Web2SE '10: Proceedings of the 1st Workshop on Web 2.0 for Software Engineering, Cape Town, South Africa, 2010 May 4,* (pp. 24-25) New York: ACM. https://doi.org/10.1145/1809198.1809207 (Published)

The implications of how we tag software artifacts: Exploring different schemata and metadata for tags, by TREUDE, Christoph; STOREY, Margaret-Anne. (2010.0). *Web2SE '10: Proceedings of the 1st Workshop on Web 2.0 for Software Engineering, Cape Town, South Africa, 2010 May 4,* (pp. 12-13) New York: ACM. https://doi.org/10.1145/1809198.1809203 (Published)

User interfaces for visual analysis and monitoring in business intelligence, by GRAMMEL, Lars; STOREY, Margaret-Anne; TREUDE, Christoph. (2009.0). *Proceedings of the 19th Annual IBM Centre for Advanced Studies Conference, Ontario Canada, 2009 November 2-5,* (pp. 323-324) New York: ACM. https://doi.org/10.1145/1723028.1723083 (Published)

ConcernLines: A timeline view of co-occurring concerns, by TREUDE, Christoph; STOREY, Margaret-Anne. (2009.0). *Proceedings of 2009 IEEE 31st International Conference on Software Engineering, Vancouver, Canada, May 16-24,* (pp. 575-578) Piscataway, NJ: IEEE. https://doi.org/10.1109/ICSE.2009.5070559 (Published)

How tagging helps bridge the gap between social and technical aspects in software development, by TREUDE, Christoph; STOREY, Margaret-Anne. (2009.0). *Proceedings of 2009 IEEE 31st International Conference on Software Engineering, Vancouver, Canada, May 16-24,* (pp. 12-22) Piscataway, NJ: IEEE. https://doi.org/10.1109/ICSE.2009.5070504 (Published)

Difference computation of large models, by TREUDE, Christoph; BERLIK, Stefan; WENZEL, Sven; KELTER, Udo. (2007.0). *ESEC-FSE '07: Proceedings of the the 6th joint meeting of the European software engineering conference and the ACM SIGSOFT symposium on The foundations of software engineering, Dubrovnik, Croatia, 2007 September 3-7,* (pp. 295-304) New York: ACM. https://doi.org/10.1145/1287624.1287665 (Published)

Conference Papers

Effective code membership inference for code completion models via adversarial prompts, by JIANG, Yuan; LI, Zehao; HUANG, Shan; TREUDE, Christoph; SU, Xiaohong; WANG, Tiantian. (2025.0). *ASE 2025, Seoul, South Korea, November 16-20,* Seoul, South Korea. https://conf.researchr.org/details/ase-2025/ase-2025-papers/208/Effective-Code-Membership-Inference-for-Code-Completion-Models-via-Adversarial-Prompt (Published)

Studying gamification as a collaboration motivator for virtual software teams: Social issues, cultural issues, and research methods, by MARCZAK, Sabrina; FIGUEIRA FILHO, Fernando; SINGER, Leif; TREUDE, Christoph; STEFFENS, Flavio; REDMILES, David; AL-ANI, Ban. (2015.0). *The 18th ACM conference on Computer-Supported Cooperative Work and Social Computing, Vancouver, Canada, 2015 March 14-18,* Latin America. (Published)

An automatic approach to detect unusual events in software repositories, by LEITE, Larissa; TREUDE, Christoph; FIGUEIRA FILHO, Fernando. (2015.0). *The Second Latin-American School on Software Engineering (ELA-ES 2015), Brazil, June 30-July 3,* Porto Alegre. (Published)

Magazine Articles

Ethical considerations toward protestware, by CHEONG, Marc; KULA, Raula; TREUDE, Christoph. (2024, June). *IEEE Software, 41* (3), 1-9. https://doi.org/10.1109/MS.2023.3344778 (Published)

How successful are open source contributions from countries with different levels of human development?, by FURTADO, Leonardo; CARTAXO, Bruno; TREUDE, Christoph; PINTO, Gustavo. (2021, April). *IEEE Software, 38* (2), 58-63. https://doi.org/10.1109/MS.2020.3044020 (Published)

Twenty years of open source software: From skepticism to mainstream, by ROBLES, Gregorio; STEINMACHER, Igor; ADAMS, Paul; TREUDE, Christoph. (2019, December). *IEEE Software, 36* (6), 12-15. https://doi.org/10.1109/MS.2019.2933672 (Published)

Let me in: Guidelines for the successful onboarding of newcomers to open source projects, by STEINMACHER, Igor; TREUDE, Christoph; GEROSA, Marco Aurélio. (2019, August). *IEEE Software, 36* (4), 41-49. https://doi.org/10.1109/MS.2018.110162131 (Published)

## Other Outputs and Contributions

Reports

*Empirical studies on collaboration in software development: A systematic literature review* by TREUDE, Christoph; STOREY, Margaret-Anne; WEBER, Jens. (2012). https://www.semanticscholar.org/paper/Empirical-Studies-on-Collaboration-in-Software-A-Treude-Storey/94db649f133f1701481d877672bdc604bd7770c5 (Published)

*Crowd documentation: Exploring the coverage and the dynamics of API discussions on Stack Overflow* by PARNIN, Chris; TREUDE, Christoph; GRAMMEL, Lars; STOREY, Margaret-Anne. (2012). (Published)

## Research Grants

Singapore Management University

CREDO: Comprehend, Refactor, and Decide with Orchestrated Agents - A Framework for Legacy System Evolution, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Christoph TREUDE, 2025, S$125,000

Systematic Evaluation of the Trustworthiness of Agentic AI Systems, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): JIANG Lingxiao , Co-PI (Project Level): HUO Yintong, Christoph TREUDE, 2025, S$150,000

Mitigating Software Supply Chain Attacks through Automation and Code Ownership, SMU Internal Grant, Ministry of Education (MOE) Tier 1 , PI (Project Level): Christoph TREUDE, 2024, S$104,906

Other Institutions

CREDO: Comprehend, Refactor, and Decide with Orchestrated Agents - A Framework for Legacy System Evolution, SMU-SUTD Partnership Call, Ministry of Education (MOE) Tier 1 PI (Project Level): Christoph TREUDE, Ezekiel Soremekun, Co-PI (Project Level): Chris POSKITT, 2025, SGD125,000

Socialz - Multi-Objective Automated Social Fuzz Testing, Facebook Research Award, Facebook Co-PI (Project Level): Christoph TREUDE, 2021, USD92,784

Automated glossary generation for effective and efficient information extraction from text data, Defence Innovation Partnership Grant, DST Australia PI (Project Level): Christoph TREUDE, 2021, AUD170,000

Rewriting software documentation for non-native speakers, Google Faculty Research Award, Google PI (Project Level): Christoph TREUDE, 2020, USD39,722

Automatically Summarizing and Measuring Software Development Activity, ARC Discovery Early Career Researcher Award, Australian Research Council PI (Project Level): Christoph TREUDE, 2017, AUD361,446

## TEACHING

### Courses Taught

Singapore Management University

Undergraduate Programmes :

- Collaborative Software Development
- Digital Business - Technologies and Transformation
- Software Project Management

Postgraduate Professional Programmes :

- Capstone Project - Cybersecurity

Postgraduate Research Programmes :

- Empirical Research Project 1
- Empirical Research Project 2
- Empirical Research Project 3
- Empirical Research Project I

## THESES AND DISSERTATIONS

### Theses and Dissertations Assessed

Other Institutions

External Examiner, "Towards improving the quality of mobile apps", Dissertation by Chathrie Upeka Wimalasooriya, Singapore Management University, 2024

Co Supervisor, "Improving Developer Efficiency through Code Reuse", Dissertation by Brittany Anne Reid, University of Adelaide, 2023

External Examiner, "Compatibility Issues in Android: Characterization and Detection", Dissertation by Pei Liu, The University of Melbourne, 2023

External Examiner, "Empirical Studies on Software Development Knowledge with A Focus on Quality Attributes", Dissertation by Tingting Bi, The University of Melbourne, 2022

External Examiner, "Identifying Reusable Knowledge in Developer Instant Messaging Communication", Dissertation by Camila Costa Silva, The University of Melbourne, 2022

External Examiner, "On the Presence of Human Values in Software Development Artefacts: An Evaluation of GitHub's Issue Discussions", Dissertation by Arif Nurwidyantoro, The University of Melbourne, 2022

Co Supervisor, "Business-driven Technical Debt Prioritization", Dissertation by Rodrigo Reboucas de Almeida, Federal University of Rio Grande do Norte, 2022

Co Supervisor, "A Knowledge-based Approach to the Development of Secure Software for IoT-based Healthcare", Dissertation by Bakheet Hamdan M Aljedaani, University of Adelaide, 2022

External Examiner, "Progressive Quality Checking of System Requirements Specifications", Dissertation by Mohamed Osama Darweish, The University of Melbourne, 2022

Co Supervisor, "Summarising Software Engineering Data", Dissertation by Mahfouth Ahmad Alghamdi, University of Adelaide, 2021

External Examiner, "Improved Usage of Pre-Trained Machine Learning Models via Software Component Abstraction", Dissertation by Alex Cummaudo, University of Adelaide, 2021

Co Supervisor, "Identifying and Analyzing Java Exception Handling Guidelines: A Developers Point-of-View", Dissertation by Hugo Faria Melo, Federal University of Rio Grande do Norte, 2019

Examiner, "The impact of API evolution on API consumers and how this can be affected by API producers and Language designers", Dissertation by Anand Ashok Sawant, University of Adelaide, 2019

Examiner, "Enabling Empirical Studies in Software Design: A Corpus, Practices and Impacts of UML Modeling", Dissertation by Truong Ho Quang, University of Adelaide, 2019

## OTHER ACADEMIC AND PROFESSIONAL ACTIVITIES

### Media Contributions and Citations

To Be Reproducible or Not To Be Reproducible?, Scholarly Communication, Podcast, 30 Nov 2024
https://newbooksnetwork.com/to-be-reproducible-or-not-to-be-reproducible-that-is-so-not-the-question

Is the future of open source software at risk due to protestware?, SMU Office of Research, 07 Feb 2024
https://research.smu.edu.sg/news/future-open-source-software-risk-due-protestware

Why Elon Musk's focus on code misses the mark, University of Melbourne Ingenium, 15 Dec 2022
https://eng.unimelb.edu.au/ingenium/why-elon-musks-focus-on-code-misses-the-mark

'Protestware' is on the rise, with programmers self-sabotaging their own code. Should we be worried?, The Conversation, 27 Sep 2022
https://theconversation.com/protestware-is-on-the-rise-with-programmers-self-sabotaging-their-own-code-should-we-be-worried-190836

## UNIVERSITY SERVICE

### Singapore Management University

Committee Chair, School Evaluation Committee, Midterm Review, Oct 2024 - Present

Committee Member, School Evaluation Committee, Tenure Review, Jun 2024 - Present

Committee Member, Dean's Evaluation Committee, Apr 2024 - Present

## EXTERNAL SERVICE – PROFESSIONAL

Program Co-Chair, ACM International Conference on the Foundations of Software Engineering, 2026

PC Member, International Conference on Software Engineering, 2025

PC Member, International Workshop on Fairness in Software Systems, 2025

PC Member, International Conference on Software Analysis, Evolution and Reengineering, Short Papers and Posters track, 2025

PC Member, International Conference on Software Testing, Verification and Validation, 2025

PC Member, International Conference on Mining Software Repositories, Mining Challenge track, 2025

PC Member, International Conference on Program Comprehension, Tool Demo track, 2025

PC Member, International Workshop on Bots in Software Engineering, 2025

PC Member, International Workshop on Natural Language-Based Software Engineering, 2025

PC Member, International Conference on Software Engineering, Doctoral Symposium track, 2025

PC Member, International Conference on the Foundations of Software Engineering, 2025

PC Member, International Conference on Fundamental Approaches to Software Engineering, 2025

PC Member, International Conference on Technical Debt, 2025

PC Member, International Workshop on Large Language Model-Oriented Empirical Research, 2025

PC Member, International Conference on Mining Software Repositories, 2025

Mining Challenge Co-Chair, International Conference on Mining Software Repositories, 2024

Area Chair, International Conference on Software Engineering, 2024

PC Member, International Conference on Software Architecture, Tool Demo track, 2024

PC Member, Asia-Pacific Symposium on Internetware, 2024

PC Member, International Conference on AI-powered Software, 2024

PC Member, International Conference on the Foundations of Software Engineering, 2024

PC Member, International Conference on Technical Debt, 2024

PC Member, International Workshop on Natural Language-Based Software Engineering, 2024

PC Member, International Conference on Software Engineering, Software Engineering Education and Training track, 2024

PC Member, Asia-Pacific Software Engineering Conference, 2024

PC Member, International Conference on the Foundations of Software Engineering, Ideas, Visions and Reflections track, 2024

PC Member, International Conference on Automated Software Engineering, 2024

PC Member, International Conference on Software Maintenance and Evolution, New Ideas and Emerging Results track, 2024

Tool Demo Track Co-Chair, Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 2023

General Chair, International Conference on Program Comprehension, 2023

Conference Treasurer, International Conference on Software Engineering, 2023

General Chair, International Conference on Technical Debt, 2023

Editor Associate Editor, IEEE Transactions on Software Engineering, 2023 - Present

PC Member, International Conference on Software Maintenance and Evolution, Artifact Evaluation track, 2023

PC Member, International Conference on Mining Software Repositories, Registered Reports track, 2023

PC Member, Asia-Pacific Symposium on Internetware, 2023

PC Member, International Conference on Software Maintenance and Evolution, New Ideas and Emerging Results track, 2023

Editor, Open Science Editor, Journal of Systems and Software, 2023 - Present

PC Member, International Conference on Software Engineering, 2023

PC Member, International Conference on Software Analysis, Evolution and Reengineering, Tool Demos track, 2023

PC Member, International Workshop on Natural Language-Based Software Engineering, 2023

PC Member, Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, Ideas, Visions and Reflections track, 2023

PC Member, Euromicro Conference on Software Engineering and Advanced Applications, 2023

PC Member, International Conference on Software Engineering, Tool Demo track, 2023

New Ideas Track Co-Chair, International Conference on Software Engineering, 2022

PC Member, Federated Africa and Middle East Conference on Software Engineering, 2022

PC Member, Euromicro Conference on Software Engineering and Advanced Applications, 2022

PC Member, Asia-Pacific Symposium on Internetware, 2022

PC Member, International Workshop on Natural Language-Based Software Engineering, 2022

PC Member, International Conference on Open Source Systems, 2022

PC Member, International Conference on Mining Software Repositories, Registered Reports track, 2022

PC Member, International Conference on Mining Software Repositories, 2022

PC Member, International Conference on Software Analysis, Evolution and Reengineering, Replications and Negative Results track, 2022

PC Member, International Conference on Software Engineering, 2022

PC Member, International Conference on Program Comprehension, 2022

PC Member, Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 2022

Steering Committee Chair, International Conference on Software Maintenance and Evolution, 2021 - 2023

Journal First Track Co-Chair, International Conference on Program Comprehension, 2021

PC Member, Workshop on Automated Support to Improve code Readability, 2021

PC Member, International Conference on Software Engineering, SCORE track, 2021

PC Member, International Conference on Software Maintenance and Evolution, New Ideas and Emerging Results track, 2021

PC Member, International Conference on Mining Software Repositories, Registered Reports track, 2021

PC Member, International Conference on Service-Oriented System Engineering, 2021

PC Member, International Workshop on Internet of Services, 2021

PC Member, LatAm School for Software Engineering, 2021

Editor, Guest Editor, Empirical Software Engineering, 2020 - 2021

General Co-Chair, International Conference on Software Maintenance and Evolution, 2020

Editor, Guest Editor, Empirical Software Engineering, 2020

PC Member, Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, New Ideas and Emerging Results track, 2020

PC Member, International Conference on Mining Software Repositories, Registered Reports track, 2020

PC Member, International Conference on Software Analysis, Evolution and Reengineering, Late Breaking Ideas track, 2020

PC Member, International Symposium on Open Collaboration, 2020

PC Member, International Conference on Mining Software Repositories, 2020

PC Member, International Conference on Global Software Engineering, 2020

Mining Challenge Co-Chair, International Conference on Mining Software Repositories, 2019

Editor, Guest Editor, IEEE Software, 2019

PC Member, International Conference on Software Engineering, 2019

PC Member, International Conference on Software Maintenance and Evolution, 2019

PC Member, International Working Conference on Source Code Analysis and Manipulation, Replications and Negative Results track, 2019

PC Member, International Workshop on Empirical Software Engineering in Practice, 2019

PC Member, International Conference on Mining Software Repositories, 2019

PC Member, International Conference on Automated Software Engineering, Tool Demo track, 2019

PC Member, Brazilian Symposium on Software Engineering, 2019

PC Member, Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 2019

PC Member, International Symposium on Empirical Software Engineering and Measurement, Industry track, 2019

Program Co-Chair, International Workshop on Empirical Software Engineering in Practice, 2018

Editor Associate Editor, Empirical Software Engineering, 2018 - Present

PC Member, International Conference on Software Analysis, Evolution and Reengineering, 2018

PC Member, Australasian Software Engineering Conference, 2018

PC Member, International Conference on Mining Software Repositories, 2018

PC Member, Brazilian Symposium on Software Engineering, 2018

PC Member, International Workshop on API Usage and Evolution, 2018

PC Member, International Conference on Software Engineering, Student Research Competition track, 2018

PC Member, Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 2018

PC Member, Workshop on Sustainable Architecture: Global Collaboration, Requirements, Analysis, 2018

PC Member, International Conference on Software Engineering, SCORE track, 2018

PC Member, International Symposium on Empirical Software Engineering and Measurement, Industry track, 2018

PC Member, International Workshop on Evidential Assessment of Software Technologies, 2017

PC Member, International Conference on Software Maintenance and Evolution, New Ideas and Emerging Results track, 2017

PC Member, International Conference on Software Engineering, Student Research Competition track, 2017

PC Member, Brazilian Symposium on Software Engineering, 2017

PC Member, International Conference on Software Engineering, 2017

PC Member, Innovations in Software Engineering Conference, 2017

PC Member, International Working Conference on Source Code Analysis and Manipulation, 2017

PC Member, International Conference on Global Software Engineering, 2017

PC Member, International Conference on Software Maintenance and Evolution, 2017

PC Member, International Conference on Software Analysis, Evolution and Reengineering, 2017

PC Member, International Conference on Software Analysis, Evolution and Reengineering, Early Research Achievements track, 2016

PC Member, Brazilian Symposium on Components, Architectures and Reuse Software, 2016

PC Member, International Conference on Mining Software Repositories, 2016

PC Member, International Conference on Software Maintenance and Evolution, Early Research Achievements track, 2016

PC Member, International Conference on Software Maintenance and Evolution, Artifact Evaluation track, 2016

PC Member, International Working Conference on Source Code Analysis and Manipulation, 2016

PC Member, International Workshop on Cooperative and Human Aspects of Software Engineering, 2016

PC Member, International Workshop on CrowdSourcing in Software Engineering, 2016

PC Member, International Conference on Global Software Engineering, 2016

PC Member, Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, Artifacts track, 2016

PC Member, Workshop on Social, Human, and Economic Aspects of Software, 2016

PC Member, International Workshop on Cooperative and Human Aspects of Software Engineering, 2015

PC Member, International Workshop on CrowdSourcing in Software Engineering, 2015

PC Member, International Conference on Software Analysis, Evolution and Reengineering, Early Research Achievements track, 2015

PC Member, International Workshop on Social Software Engineering, 2015

PC Member, International Workshop on Open Innovation in Software Engineering, 2015

PC Member, International Conference on Software Maintenance and Evolution, 2015

PC Member, Brazilian Symposium on Components, Architectures and Reuse Software, 2015

PC Member, International Conference on Mining Software Repositories, 2015

PC Member, International Conference on Software Maintenance and Evolution, Early Research Achievements track, 2015

PC Member, International Conference on Mining Software Repositories, Mining Challenge track, 2015

Publicity Chair, International Conference on Software Engineering, 2014

PC Member, International Conference on Mining Software Repositories, 2014

PC Member, Working Conference on Reverse Engineering, 2014

PC Member, International Conference on Mining Software Repositories, Mining Challenge track, 2014

PC Member, Working Conference on Reverse Engineering, Tool Demo track, 2014

PC Member, International Workshop on Social Software Engineering, 2014

PC Member, International Conference on Software Engineering, Poster track, 2014

PC Member, International Conference on Software Maintenance and Evolution, Early Research Achievements track, 2014

PC Member, International Workshop on Cooperative and Human Aspects of Software Engineering, 2014

PC Member, International Workshop on CrowdSourcing in Software Engineering, 2014

PC Member, Working Conference on Reverse Engineering, Early Research Achievements track, 2013

PC Member, International Conference on Program Comprehension, Early Research Achievements track, 2013

PC Member, International Workshop on Cooperative and Human Aspects of Software Engineering, 2013

PC Member, International Conference on Software Engineering, SCORE track, 2013

PC Member, International Workshop on Social Software Engineering, 2013

PC Member, International Conference on Mining Software Repositories, Mining Challenge track, 2013

PC Member, International Conference on Program Comprehension, Tool Demo track, 2013

PC Member, Workshop on the Future of Collaborative Software Development, 2012

PC Member, International Conference on Program Comprehension, 2012

PC Member, International Conference on Program Comprehension, Tool Demo track, 2012

PC Member, Workshop on flexible modeling tools, 2011

PC Member, Workshop on Evaluation and Usability of Programming Languages and Tools, 2010