

Christoph TREUDE

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**Education**

PhD, University of Victoria, Canada, 2012  
Diplom in Wirtschaftsinformatik, University of Siegen, Germany, 2007

**Academic Appointments**

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

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

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

**Academic Administrative Positions**

Director of Internationalisation, School of Computer Science, The University of Adelaide, Australia, Oct 2019 – Sep 2021

**Other Positions Held**

JSPS Fellow, Short-Term, Nara Institute of Science and Technology (NAIST), Japan, Dec 2017 – Feb 2018

Researcher, Universidade de São Paulo, Brazil, Jul 2015 – Jan 2016

Researcher, Universidade Federal do Rio Grande do Norte, Brazil, Sep 2014 – Jun 2015

Postdoctoral Researcher, McGill University, Canada, Oct 2012 – Aug 2014

## **Awards and Honors**

Distinguished Reviewer Award at Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE) 2022, 2022

ACM SIGSOFT Distinguished Paper Award at International Conference on Software Engineering (ICSE) 2021, 2021

Best Paper Award at International Conference on Technical Debt (TechDebt) 2021, 2021

ACM SIGSOFT Distinguished Paper Award at International Conference on Automated Software Engineering (ASE) 2019, 2019

Best Paper Award at International Symposium on Empirical Software Engineering and Measurement (ESEM) 2019, 2019

Distinguished Reviewer Award for Outstanding Service as a Reviewer for the Journal on Empirical Software Engineering, 2017

Best Paper Award at Brazilian Symposium on Collaborative Systems (SBSC) 2015, 2015

Most Promising Idea Award at International Conference on Program Comprehension (ICPC) 2013, 2013

## **Professional Memberships**

Association for Computing Machinery (ACM)

Institute of Electrical and Electronics Engineers (IEEE)

## **RESEARCH**

### **Research Interests**

Software Engineering

Empirical Software Engineering

Human and Social Aspects of Software Engineering

Software Maintenance

Software Evolution

### **Publications**

#### Journal Articles [Refereed]

Understanding the role of external pull requests in the NPM ecosystem, by MAEPRASART, Vittunyuta; WATTANAKRIENGKRAI, Supatsara; KULA, Raula Gaikovina; TREUDE, Christoph; MATSUMOTO, Kenichi. (2023). Empir. Softw. Eng, 28(4), 84.

GitHub Actions: The Impact on the Pull Request Process, by WESSEL, Mairieli; VARGOVICH, Joseph; GEROSA, Marco Aurélio; TREUDE, Christoph. (2023). Empir. Softw. Eng, 28(6), 131.

18 million links in commit messages: purpose, evolution, and decay, by XIAO, Tao; BALTES, Sebastian; HATA, Hideaki; TREUDE, Christoph; KULA, Raula Gaikovina; ISHIO, Takashi; MATSUMOTO, Kenichi. (2023). *Empir. Softw. Eng*, 28(4), 91.

An Empirical Study of Package Management Issues via Stack Overflow, by ISLAM, Syful; KULA, Raula Gaikovina; TREUDE, Christoph; CHINTHANET, Bodin; ISHIO, Takashi; MATSUMOTO, Kenichi. (2023). *IEICE Trans. Inf. Syst*, 106(2), 138-147.

Does Deep Learning improve the performance of duplicate bug report detection? An empirical study, by JIANG, Yuan; SU, Xiaohong; TREUDE, Christoph; SHANG, Chao; WANG, TIANIAN. (2023). *J. Syst. Softw*, 198(No Number), 111607.

NCQ: Code Reuse Support for Node.js Developers, by REID, Brittany; D'AMORIM, Marcelo; WAGNER, Markus; TREUDE, Christoph. (2023). *IEEE Trans. Software Eng*, 49(5), 3205-3225.

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 Trans. Software Eng*, 49(4), 2566-2579.

An empirical study of developers' discussions about security challenges of different programming languages, by CROFT, Roland; XIE, Yongzheng; ZAHEDI, Mansooreh; ALI BABAR, Muhammad; TREUDE, Christoph. (2022). *Empir. Softw. Eng*, 27(1), 27.

GitHub Discussions: An exploratory study of early adoption, by HATA, Hideaki; NOVIELLI, Nicole; BALTES, Sebastian; KULA, Raula Gaikovina; TREUDE, Christoph. (2022). *Empir. Softw. Eng*, 27(1), 3.

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; CHAHAL, Kuljit Kaur; BOSSENMAIER, Tim; NAGARIA, Bhavet; MAKEDONSKI, Philip; AHMADABADI, Matin Nili; SZABADOS, Kristof; SPIEKER, Helge; MADEJA, Matej; HOY, Nathaniel; LENARDUZZI, Valentina; WANG, Shangwen; RODRÍGUEZ-PÉREZ, Gema; PALACIOS, Ricardo Colomo; 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, Matús; FARD, Fatemeh H.; HENLEY, Austin Z.; KOURTZANIDIS, Stratos; TUZUN, Eray; TREUDE, Christoph; SHAMASBI, Simin Maleki; PASHCHENKO, Ivan; WYRICH, Marvin; DAVIS, James; SEREBRENIK, Alexander; ALBRECHT, Ella; AKTAS, UTKU, Ethem, Daniel Strüber; ERBEL, Johannes. (2022). *Empir. Softw. Eng*, 27(6), 125.

Self-adaptive systems: A systematic literature review across categories and domains, by WONG, Terence; WAGNER, Markus; TREUDE, Christoph. (2022). *Inf. Softw. Technol*, 148(No Number), 106934.

Hierarchical semantic-aware neural code representation, by JIANG, Yuan; SU, Xiaohong; TREUDE, Christoph; WANG, TIANIAN. (2022). *J. Syst. Softw*, 191(No Number), 111355.

GitHub repositories with links to academic papers: Public access, traceability, and evolution, by WATTANAKRIENGKRAI, Supatsara; CHINTHANET, Bodin; HATA, Hideaki; KULA, Raula Gaikovina; TREUDE, Christoph; GUO, Jin; MATSUMOTO, Kenichi. (2022). *J. Syst. Softw*, 183(No Number), 111117.

Challenges for Inclusion in Software Engineering: The Case of the Emerging Papua New Guinean Society, by KULA, Raula Gaikovina; TREUDE, Christoph; HATA, Hideaki; BALTES, Sebastian; STEINMACHER, Igor; GEROSA, Marco Aurélio; AMINI, Winifred Kula. (2022). *IEEE Softw*, 39(3), 67-76.

How Developers Engineer Test Cases: An Observational Study, by ANICHE, Maurício; TREUDE, Christoph; ZAIDMAN, Andy. (2022). *IEEE Trans. Software Eng*, 48(12), 4925-4946.

Contextual Documentation Referencing on Stack Overflow, by BALTES, Sebastian; TREUDE, Christoph; ROBILLARD, Martin P. (2022). *IEEE Trans. Software Eng*, 48(2), 135-149.

API-Related Developer Information Needs in Stack Overflow, by LIU, Mingwei; PENG, Xin; MARCUS, Andrian; XING, Shuangshuang; TREUDE, Christoph; ZHAO, Chengyuan. (2022). *IEEE Trans. Software Eng*, 48(11), 4485-4500.

Correction to: Wait for it: identifying "On-Hold" self-admitted technical debt, by MAIPRADIT, Rungroj; TREUDE, Christoph; HATA, Hideaki; MATSUMOTO, Kenichi. (2021). *Empir. Softw. Eng*, 26(3), 33.

Software Engineering in Australasia, by LICORISH, Sherlock A.; TREUDE, Christoph; GRUNDY, John C.; BLINCOE, Kelly; MACDONELL, Stephen G.; TANTITHAMTHAVORN, Chakkrit; LI, Li; SCHNEIDER, Jean-Guy. (2021). *ACM SIGSOFT Softw. Eng. Notes*, 46(2), 16-17.

How Successful Are Open Source Contributions From Countries With Different Levels of Human Development?, by FURTADO, Leonardo B.; CARTAXO, Bruno; TREUDE, Christoph; PINTO, Gustavo. (2021). *IEEE Softw*, 38(2), 58-63.

The impact of automated feature selection techniques on the interpretation of defect models, by JIARPAKDEE, Jirayus; TANTITHAMTHAVORN, Chakkrit; TREUDE, Christoph. (2020). *Empir. Softw. Eng*, 25(5), 3590-3638.

Wait for it: identifying "On-Hold" self-admitted technical debt, by MAIPRADIT, Rungroj; TREUDE, Christoph; HATA, Hideaki; MATSUMOTO, Kenichi. (2020). *Empir. Softw. Eng*, 25(5), 3770-3798.

SIEVE: Helping developers sift wheat from chaff via cross-platform analysis, by SULISTYA, Agus; PRANA, Gede Artha Azriadi; SHARMA, Abhishek; LO, David; TREUDE, Christoph. (2020). *Empir. Softw. Eng*, 25(1), 996-1030.

Google summer of code: Student motivations and contributions, by SILVA, Jefferson De Oliveira; WIESE, Igor; GERMÁN, Daniel M.; TREUDE, Christoph; GEROSA, Marco Aurélio; STEINMACHER, Igor. (2020). *J. Syst. Softw*, 162(No Number), No Pages.

Automatically Categorizing Software Technologies, by NASSIF, Mathieu; TREUDE, Christoph; ROBILLARD, Martin P. (2020). *IEEE Trans. Software Eng*, 46(1), 20-32.

Categorizing the Content of GitHub README Files, by PRANA, Gede Artha Azriadi; TREUDE, Christoph; THUNG, Ferdian; ATAPATTU, Thushari; LO, David. (2019). *Empir. Softw. Eng*, 24(3), 1296-1327.

Twenty Years of Open Source Software: From Skepticism to Mainstream, by ROBLES, Gregorio; STEINMACHER, Igor; ADAMS, Paul; TREUDE, Christoph. (2019). *IEEE Softw*, 36(6), 12-15.

Let Me In: Guidelines for the Successful Onboarding of Newcomers to Open Source Projects, by STEINMACHER,

Igor; TREUDE, Christoph; GEROSA, Marco Aurélio. (2019). *IEEE Softw*, 36(4), 41-49.

Pieces of contextual information suitable for predicting co-changes? An empirical study, by WIESE, Igor Scaliante; KURODA, Rodrigo Takashi; STEINMACHER, Igor; OLIVA, Gustavo Analdi; RÉ, Reginaldo; TREUDE, Christoph; GEROSA, Marco Aurélio. (2019). *Softw. Qual. J.*, 27(4), 1481-1503.

Code smells for Model-View-Controller architectures, by ANICHE, Mauricio Finavaro; BAVOTA, Gabriele; TREUDE, Christoph; GEROSA, Marco Aurélio; DEURSEN, Arie van. (2018). *Empir. Softw. Eng.*, 23(4), 2121-2157.

The impact of rapid release cycles on the integration delay of fixed issues, by COSTA, Daniel Alencar da; MCINTOSH, Shane; TREUDE, Christoph; KULESZA, Uirá; HASSAN, Ahmed E. (2018). *Empir. Softw. Eng.*, 23(2), 835-904.

Unusual events in GitHub repositories, by TREUDE, Christoph; LEITE, Larissa; ANICHE, Mauricio Finavaro. (2018). *J. Syst. Softw*, 142(No Number), 237-247.

Exception handling bug hazards in Android - Results from a mining study and an exploratory survey, by COELHO, Roberta; ALMEIDA, Lucas; GOUSIOS, Georgios; DEURSEN, Arie van; TREUDE, Christoph. (2017). *Empir. Softw. Eng.*, 22(3), 1264-1304.

Using contextual information to predict co-changes, by WIESE, Igor Scaliante; RÉ, Reginaldo; STEINMACHER, Igor; KURODA, Rodrigo Takashi; OLIVA, Gustavo Analdi; TREUDE, Christoph; GEROSA, Marco Aurélio. (2017). *J. Syst. Softw*, 128(No Number), 220-235.

A study on the geographical distribution of Brazil's prestigious software developers, by FILHO, Fernando Marques Figueira; PERIN, Marcelo Gattermann; TREUDE, Christoph; MARCZAK, Sabrina; MELO, Leandro de Almeida; SILVA, Igor Marques da; SANTOS, Lucas Bibiano dos. (2015). *J. Internet Serv. Appl*, 6(1), 17:1-17:12.

Extracting Development Tasks to Navigate Software Documentation, by TREUDE, Christoph; ROBILLARD, Martin P.; DAGENAIS, Barthélémy. (2015). *IEEE Trans. Software Eng.*, 41(6), 565-581.

Work Item Tagging: Communicating Concerns in Collaborative Software Development, by TREUDE, Christoph; STOREY, Margaret-Anne D. (2012). *IEEE Trans. Software Eng.*, 38(1), 19-34.

Workshop report from Web2SE 2011: 2nd international workshop on web 2.0 for software engineering, by TREUDE, Christoph; STOREY, Margaret-Anne D.; DEURSEN, Arie van; BEGEL, Andrew; BLACK, Sue. (2011). *ACM SIGSOFT Softw. Eng. Notes*, 36(5), 24-29.

Workshop report from Web2SE: first workshop on web 2.0 for software engineering, by TREUDE, Christoph; STOREY, Margaret-Anne D.; EHRlich, Kate; DEURSEN, Arie van. (2010). *ACM SIGSOFT Softw. Eng. Notes*, 35(5), 45-50.

#### Book Chapters

Software Engineering Dashboards: Types, Risks, and Future, by STOREY, Margaret-Anne D.; TREUDE, Christoph. (2019). *Rethinking Productivity in Software Engineering*, 179-190.

How Team Awareness Influences Perceptions of Developer Productivity, by TREUDE, Christoph; FILHO, Fernando Figueira. (2019). Rethinking Productivity in Software Engineering, 169-178.

Facilitating Crowd Sourced Software Engineering via Stack Overflow, by BARZILAY, Ohad; TREUDE, Christoph; ZAGALSKY, Alexey. (2013). Finding Source Code on the Web for Remix and Reuse, 289-308.

Smart Media: Bridging Interactions and Services for the Smart Internet, by STOREY, Margaret-Anne D.; GRAMMEL, Lars; TREUDE, Christoph. (2010). The Smart Internet, 152-169.

### Conference Proceedings

Navigating Complexity in Software Engineering: A Prototype for Comparing GPT-n Solutions, by TREUDE, Christoph. (2023). International Workshop on Bots in Software Engineering, 1-5.

What's behind tight deadlines? Business causes of technical debt, by ALMEIDA, Rodrigo Rebouças de; TREUDE, Christoph; KULESZA, Uirá. (2023). International Conference on Cooperative and Human Aspects of Software Engineering, 25-30.

Towards Understanding the Open Source Interest in Gender-Related GitHub Projects, by GARCIA, Rita; TREUDE, Christoph; LA, Wendy. (2023). International Conference on Cooperative and Human Aspects of Software Engineering, 68-79.

Overcoming Challenges in DevOps Education through Teaching Method, by FERINO, Samuel; FERNANDES, Marcelo; CIRILO, Elder; AGNEZ, Lucas; BATISTA, Bruno; KULESZA, Uirá; ARANHA, Eduardo; TREUDE, Christoph. (2023). International Conference on Software Engineering: Software Engineering Education and Training, 166-178.

Barriers and Self-Efficacy: A Large-Scale Study on the Impact of OSS Courses on Student Perceptions, by SALERNO, Larissa; TONHÃO, Simone de França; STEINMACHER, Igor; TREUDE, Christoph. (2023). Conference on Innovation and Technology in Computer Science Education, 320-326.

Social Troubleshooting Workshops: Upskilling Students' Soft and Self-Reflection Skills, by SCHULZ, Sandra; GARCIA, Rita; TREUDE, Christoph. (2023). Conference on Innovation and Technology in Computer Science Education, 643.

She Elicits Requirements and He Tests: Software Engineering Gender Bias in Large Language Models, by TREUDE, Christoph; HATA, Hideaki. (2023). International Conference on Mining Software Repositories, 624-629.

Understanding the Role of Images on Stack Overflow, by WANG, Dong; XIAO, Tao; TREUDE, Christoph; KULA, Raula Gaikovina; HATA, Hideaki; KAMEI, Yasutaka. (2023). International Conference on Mining Software Repositories, 377-388.

Stop Words for Processing Software Engineering Documents: Do they Matter?, by FAN, Yaohou; ARORA, Chetan; TREUDE, Christoph. (2023). International Workshop on Natural Language-Based Software Engineering, 40-47.

Applying information theory to software evolution, by TORRES, Adriano; BALTES, Sebastian; TREUDE, Christoph; WAGNER, Markus. (2023). International Workshop on Natural Language-Based Software Engineering, 48-55.

DevOps Education: An Interview Study of Challenges and Recommendations, by FERNANDES, Marcelo; FERINO, Samuel; FERNANDES, Anny; KULESZA, Uirá; ARANHA, Eduardo; TREUDE, Christoph. (2022). International Conference on Software Engineering, 90-101.

GitHub Sponsors: Exploring a New Way to Contribute to Open Source, by SHIMADA, Naomichi; XIAO, Tao; HATA, Hideaki; TREUDE, Christoph; MATSUMOTO, Kenichi. (2022). International Conference on Software Engineering, 1058-1069.

ShellFusion: Answer Generation for Shell Programming Tasks via Knowledge Fusion, by ZHANG, Neng; LIU, Chao; XIA, Xin; TREUDE, Christoph; ZOU, Ying; LO, David; ZHENG, Zibin. (2022). International Conference on Software Engineering, 1970-1981.

Adding Context to Source Code Representations for Deep Learning, by TIAN, Fuwei; TREUDE, Christoph. (2022). International Conference on Software Maintenance and Evolution, 374-378.

Taming Multi-Output Recommenders for Software Engineering, by TREUDE, Christoph. (2022). International Conference on Automated Software Engineering, 187:1-187:5.

Does This Apply to Me? An Empirical Study of Technical Context in Stack Overflow, by GALAPPATHTHI, Akalanka; NADI, Sarah; TREUDE, Christoph. (2022). International Conference on Mining Software Repositories, 23-34.

Gender Influence on Communication Initiated within Student Teams, by GARCIA, Rita; LIAO, Chieh-Ju; PEARCE, Ariane; TREUDE, Christoph. (2022). Technical Symposium on Computer Science Education, 432-438.

In war and peace: the impact of world politics on software ecosystems, by KULA, Raula Gaikovina; TREUDE, Christoph. (2022). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 1600-1604.

How to formulate specific how-to questions in software development?, by LIU, Mingwei; PENG, Xin; MARCUS, Andrian; TREUDE, Christoph; XIE, Jiazhan; XU, Huanjun; YANG, Yanjun. (2022). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 306-318.

Business-Driven Technical Debt Prioritization: An Industrial Case Study, by ALMEIDA, Rodrigo Rebouças de; RIBEIRO, Rafael do Nascimento; TREUDE, Christoph; KULESZA, Uirá. (2021). International Conference on Technical Debt, 74-83.

Automated Query Reformulation for Efficient Search based on Query Logs From Stack Overflow, by CAO, Kaibo; CHEN, Chunyang; BALTES, Sebastian; TREUDE, Christoph; CHEN, Xiang. (2021). International Conference on Software Engineering, 1273-1285.

The Shifting Sands of Motivation: Revisiting What Drives Contributors in Open Source, by GEROSA, Marco Aurélio; WIESE, Igor; TRINKENREICH, Bianca; LINK, Georg; ROBLES, Gregorio; TREUDE, Christoph; STEINMACHER, Igor; SARMA, Anita. (2021). International Conference on Software Engineering, 1046-1058.

Same File, Different Changes: The Potential of Meta-Maintenance on GitHub, by HATA, Hideaki; KULA, Raula Gaikovina; ISHIO, Takashi; TREUDE, Christoph. (2021). International Conference on Software Engineering, 773-784.

- Research Artifact: The Potential of Meta-Maintenance on GitHub, by HATA, Hideaki; KULA, Raula Gaikovina; ISHIO, Takashi; TREUDE, Christoph. (2021). International Conference on Software Engineering, 192-193.
- Contrasting Third-Party Package Management User Experience, by ISLAM, Syful; KULA, Raula Gaikovina; TREUDE, Christoph; CHINTHANET, Bodin; ISHIO, Takashi; MATSUMOTO, Kenichi. (2021). International Conference on Software Maintenance and Evolution, 664-668.
- Characterising the Knowledge about Primitive Variables in Java Code Comments, by ALGHAMDI, Mahfouth; HAYASHI, Shinpei; KOBAYASHI, Takashi; TREUDE, Christoph. (2021). International Conference on Mining Software Repositories, 460-470.
- How Do Software Developers Use GitHub Actions to Automate Their Workflows?, by KINSMAN, Timothy; WESSEL, Mairieli Santos; GEROSA, Marco Aurélio; TREUDE, Christoph. (2021). International Conference on Mining Software Repositories, 420-431.
- Analyzing DevOps Teaching Strategies: An Initial Study, by FERINO, Samuel; FERNANDES, Marcelo; FERNANDES, Anny; KULESZA, Uirá; ARANHA, Eduardo; TREUDE, Christoph. (2021). Brazilian Symposium on Software Engineering, 180-185.
- Learning-based extraction of first-order logic representations of API directives, by LIU, Mingwei; PENG, Xin; MARCUS, Andrian; TREUDE, Christoph; BAI, Xuefang; LYU, Gang; XIE, Jiazhan; ZHANG, Xiaoxin. (2021). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 491-502.
- Characterizing search activities on stack overflow, by LIU, Jiakun; BALTES, Sebastian; TREUDE, Christoph; LO, David; ZHANG, Yun; XIA, Xin. (2021). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 919-931.
- Combining Query Reduction and Expansion for Text-Retrieval-Based Bug Localization, by FLOREZ, Juan Manuel; CHAPARRO, Oscar; TREUDE, Christoph; MARCUS, Andrian. (2021). International Conference on Software Analysis, Evolution and Reengineering, 166-176.
- Optimising the fit of stack overflow code snippets into existing code, by REID, Brittany; TREUDE, Christoph; WAGNER, Markus. (2020). Genetic and Evolutionary Computation Conference Companion, 1945-1953.
- Code duplication on stack overflow, by BALTES, Sebastian; TREUDE, Christoph. (2020). International Conference on Software Engineering, 13-16.
- POSIT: simultaneously tagging natural and programming languages, by PÂRTACHI, Profir-Petru; DASH, Santanu Kumar; TREUDE, Christoph; BARR, Earl T. (2020). International Conference on Software Engineering, 1348-1358.
- Generating Concept based API Element Comparison Using a Knowledge Graph, by LIU, Yang; LIU, Mingwei; PENG, Xin; TREUDE, Christoph; XING, Zhenchang; ZHANG, Xiaoxin. (2020). International Conference on Automated Software Engineering, 834-845.
- What is the Vocabulary of Flaky Tests?, by PINTO, Gustavo; MIRANDA, Breno; DISSANAYAKE, Supun; D'AMORIM, Marcelo; TREUDE, Christoph; BERTOLINO, Antonia. (2020). International Conference on Mining Software Repositories, 492-502.



The Impact of Dynamics of Collaborative Software Engineering on Introverts: A Study Protocol, by NUNES, Ingrid; TREUDE, Christoph; CALEFATO, Fabio. (2020). International Conference on Mining Software Repositories, 619-622.

Human-Like Summaries from Heterogeneous and Time-Windowed Software Development Artefacts, by ALGHAMDI, Mahfouth; TREUDE, Christoph; WAGNER, Markus. (2020). International Conference on Parallel Problem Solving from Nature, 329-342.

AdelaideCyC at SemEval-2020 Task 12: Ensemble of Classifiers for Offensive Language Detection in Social Media, by HERATH, Mahen; ATAPATTU, Thushari; DUNG, Hoang Anh; TREUDE, Christoph; FALKNER, Katrina. (2020). Workshop on Semantic Evaluation, 1516-1523.

Understanding Wikipedia as a Resource for Opportunistic Learning of Computing Concepts, by ROBILLARD, Martin P.; TREUDE, Christoph. (2020). Technical Symposium on Computer Science Education, 72-78.

A theory of the engagement in open source projects via summer of code programs, by SILVA, Jefferson De Oliveira; WIESE, Igor; GERMÁN, Daniel M.; TREUDE, Christoph; GEROSA, Marco Aurélio; STEINMACHER, Igor. (2020). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 421-431.

Beyond accuracy: assessing software documentation quality, by TREUDE, Christoph; MIDDLETON, Justin; ATAPATTU, Thushari. (2020). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 1509-1512.

Selecting third-party libraries: the practitioners' perspective, by VARGAS, Enrique Larios; ANICHE, Maurício Finavaro; TREUDE, Christoph; BRUNTINK, Magiel; GOUSIOS, Georgios. (2020). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 245-256.

API method recommendation via explicit matching of functionality verb phrases, by XIE, Wenkai; PENG, Xin; LIU, Mingwei; TREUDE, Christoph; XING, Zhenchang; ZHANG, Xiaoxin; ZHAO, Wenyun. (2020). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 1015-1026.

Refactoring from 9 to 5? What and When Employees and Volunteers Contribute to OSS, by DIAS, Luiz Felipe; BARBOSA, Caio; PINTO, Gustavo; STEINMACHER, Igor; FONSECA, Balduino; RIBEIRO, Márcio; TREUDE, Christoph; COSTA, Daniel Alencar da. (2020). Symposium on Visual Languages and Human-Centric Computing, 1-5.

Essential Sentences for Navigating Stack Overflow Answers, by NADI, Sarah; TREUDE, Christoph. (2020). International Conference on Software Analysis, Evolution and Reengineering, 229-239.

A Case Study on Automated Fuzz Target Generation for Large Codebases, by KELLY, Matthew; TREUDE, Christoph; MURRAY, Alex. (2019). International Symposium on Empirical Software Engineering and Measurement, 1-6.

Enhancing Python Compiler Error Messages via Stack, by THISELTON, Emillie; TREUDE, Christoph. (2019). International Symposium on Empirical Software Engineering and Measurement, 1-12.

Toward human-like summaries generated from heterogeneous software artefacts, by ALGHAMDI, Mahfouth; TREUDE, Christoph; WAGNER, Markus. (2019). Genetic and Evolutionary Computation Conference, 1701-1702.

- 9.6 million links in source code comments: purpose, evolution, and decay, by HATA, Hideaki; TREUDE, Christoph; KULA, Raula Gaikovina; ISHIO, Takashi. (2019). International Conference on Software Engineering, 1211-1221.
- Witt: querying technology terms based on automated classification, by NASSIF, Mathieu; TREUDE, Christoph; ROBILLARD, Martin P. (2019). International Conference on Software Engineering, 63-66.
- Tracy: A Business-Driven Technical Debt Prioritization Framework, by ALMEIDA, Rodrigo Rebouças de; TREUDE, Christoph; KULESZA, Uirá. (2019). International Conference on Software Maintenance and Evolution, 181-185.
- Supporting Software Architecture Maintenance by Providing Task-Specific Recommendations, by GALSTER, Matthias; TREUDE, Christoph; BLINCOE, Kelly. (2019). International Conference on Software Maintenance and Evolution, 370-372.
- Comprehending Test Code: An Empirical Study, by YU, Chak Shun; TREUDE, Christoph; ANICHE, Maurício Finavaro. (2019). International Conference on Software Maintenance and Evolution, 501-512.
- Automatic Generation of Pull Request Descriptions, by LIU, Zhongxin; XIA, Xin; TREUDE, Christoph; LO, David; LI, Shanping. (2019). International Conference on Automated Software Engineering, 176-188.
- Automatically generating documentation for lambda expressions in Java, by ALQAIMI, Anwar; THONGTANUNAM, Patanamon; TREUDE, Christoph. (2019). International Conference on Mining Software Repositories, 310-320.
- SOTorrent: studying the origin, evolution, and usage of stack overflow code snippets, by BALTES, Sebastian; TREUDE, Christoph; DIEHL, Stephan. (2019). International Conference on Mining Software Repositories, 191-194.
- Predicting good configurations for GitHub and stack overflow topic models, by TREUDE, Christoph; WAGNER, Markus. (2019). International Conference on Mining Software Repositories, 84-95.
- Unveiling Exception Handling Guidelines Adopted by Java Developers, by MELO, Hugo; COELHO, Roberta; TREUDE, Christoph. (2019). International Conference on Software Analysis, Evolution and Reengineering, 128-139.
- An Empirical Study of Security Issues Posted in Open Source Projects, by ZAHEDI, Mansooreh; ALI BABAR, Muhammad; TREUDE, Christoph. (2018). Hawaii International Conference on System Sciences, 1-10.
- How modern news aggregators help development communities shape and share knowledge, by ANICHE, Maurício Finavaro; TREUDE, Christoph; STEINMACHER, Igor; WIESE, Igor; PINTO, Gustavo; STOREY, Margaret-Anne D.; GEROSA, Marco Aurélio. (2018). International Conference on Software Engineering, 499-510.
- Where Does Google Find API Documentation?, by TREUDE, Christoph; ANICHE, Mauricio Finavaro. (2018). International Workshop on API Usage and Evolution, 19-22.
- Aligning Technical Debt Prioritization with Business Objectives: A Multiple-Case Study, by ALMEIDA, Rodrigo Rebouças de; KULESZA, Uirá; TREUDE, Christoph; FEITOSA, D'angellys Cavalcanti; LIMA, Aliandro Higino Guedes. (2018). International Conference on Software Maintenance and Evolution, 655-664.
- AutoSpearman: Automatically Mitigating Correlated Software Metrics for Interpreting Defect Models, by JIARPAKDEE, Jirayus; TANTITHAMTHAVORN, Chakkrit; TREUDE, Christoph. (2018). International Conference on

Software Maintenance and Evolution, 92-103.

Artefact: An R Implementation of the AutoSpearman Function, by JIARPAKDEE, Jirayus; TANTITHAMTHAVORN, Chakkrit; TREUDE, Christoph. (2018). International Conference on Software Maintenance and Evolution, 711.

SOTorrent: reconstructing and analyzing the evolution of stack overflow posts, by BALTES, Sebastian; DUMANI, Lorik; TREUDE, Christoph; DIEHL, Stephan. (2018). International Conference on Mining Software Repositories, 319-330.

A Preliminary Evaluation of a Gamification Framework to Jump Start Collaboration Behavior Change, by STEFFENS, Flavio; MARCZAK, Sabrina; FILHO, Fernando Marques Figueira; TREUDE, Christoph; SOUZA, Cleidson R. B. de. (2017). International Conference on Cooperative and Human Aspects of Software Engineering, 90-91.

NLP2Code: Code Snippet Content Assist via Natural Language Tasks, by CAMPBELL, Brock Angus; TREUDE, Christoph. (2017). International Conference on Software Maintenance and Evolution, 628-632.

On-demand Developer Documentation, by ROBILLARD, Martin P.; MARCUS, Andrian; TREUDE, Christoph; BAVOTA, Gabriele; CHAPARRO, Oscar; ERNST, Neil A.; GEROSA, Marco Aurélio; GODFREY, Michael W.; LANZA, Michele; VÁSQUEZ, Mario Linares; MURPHY, Gail C.; MORENO, Laura; SHEPHERD, David C.; WONG, Edmund. (2017). International Conference on Software Maintenance and Evolution, 479-483.

Understanding Stack Overflow Code Fragments, by TREUDE, Christoph; ROBILLARD, Martin P. (2017). International Conference on Software Maintenance and Evolution, 509-513.

Choosing an NLP library for analyzing software documentation: a systematic literature review and a series of experiments, by OMRAN, Fouad Nasser A. Al; TREUDE, Christoph. (2017). International Conference on Mining Software Repositories, 187-197.

The Social Side of Software Platform Ecosystems, by SOUZA, Cleidson R. B. de; FILHO, Fernando Marques Figueira; MIRANDA, Müller; FERREIRA, Renato Pina; TREUDE, Christoph; SINGER, Leif. (2016). CHI Conference on Human Factors in Computing Systems, 3204-3214.

Overcoming open source project entry barriers with a portal for newcomers, by STEINMACHER, Igor; CONTE, Tayana Uchôa; TREUDE, Christoph; GEROSA, Marco Aurélio. (2016). International Conference on Software Engineering, 273-284.

Augmenting API documentation with insights from stack overflow, by TREUDE, Christoph; ROBILLARD, Martin P. (2016). International Conference on Software Engineering, 392-403.

A Validated Set of Smells in Model-View-Controller Architectures, by ANICHE, Mauricio Finavaro; BAVOTA, Gabriele; TREUDE, Christoph; DEURSEN, Arie van; GEROSA, Marco Aurélio. (2016). International Conference on Software Maintenance and Evolution, 233-243.

Who is Who in the Mailing List? Comparing Six Disambiguation Heuristics to Identify Multiple Addresses of a Participant, by WIESE, Igor Scaliante; SILVA, José Teodoro da; STEINMACHER, Igor; TREUDE, Christoph; GEROSA, Marco Aurélio. (2016). International Conference on Software Maintenance and Evolution, 345-355.

- Developers' Perceptions on Object-Oriented Design and Architectural Roles, by ANICHE, Mauricio Finavaro; GEROSA, Marco Aurélio; TREUDE, Christoph. (2016). Brazilian Symposium on Software Engineering, 63-72.
- SATT: Tailoring Code Metric Thresholds for Different Software Architectures, by ANICHE, Mauricio Finavaro; TREUDE, Christoph; ZAIDMAN, Andy; DEURSEN, Arie van; GEROSA, Marco Aurélio. (2016). International Working Conference on Source Code Analysis and Manipulation, 41-50.
- TaskNav: Task-Based Navigation of Software Documentation, by TREUDE, Christoph; SICARD, Mathieu; KLOCKE, Marc; ROBILLARD, Martin P. (2015). International Conference on Software Engineering, 649-652.
- Assessing developer contribution with repository mining-based metrics, by LIMA, Jalerson; TREUDE, Christoph; FILHO, Fernando Marques Figueira; KULESZA, Uirá. (2015). International Conference on Software Maintenance and Evolution, 536-540.
- Challenges in Analyzing Software Documentation in Portuguese, by TREUDE, Christoph; PROLO, Carlos; FILHO, Fernando Marques Figueira. (2015). Brazilian Symposium on Software Engineering, 179-184.
- Automating the performance deviation analysis for multiple system releases: An evolutionary study, by PINTO, Felipe; KULESZA, Uirá; TREUDE, Christoph. (2015). International Working Conference on Source Code Analysis and Manipulation, 201-210.
- UEDashboard: awareness of unusual events in commit histories, by LEITE, Larissa; TREUDE, Christoph; FILHO, Fernando Marques Figueira. (2015). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 978-981.
- Summarizing and measuring development activity, by TREUDE, Christoph; FILHO, Fernando Marques Figueira; KULESZA, Uirá. (2015). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 625-636.
- Mutual assessment in the social programmer ecosystem: an empirical investigation of developer profile aggregators, by SINGER, Leif; FILHO, Fernando Marques Figueira; CLEARY, Brendan; TREUDE, Christoph; STOREY, Margaret-Anne D.; SCHNEIDER, Kurt. (2013). Computer Supported Cooperative Work, 103-116.
- Improving Tool Support for Software Reverse Engineering in a Security Context, by CLEARY, Brendan; TREUDE, Christoph; FILHO, Fernando Marques Figueira; STOREY, Margaret-Anne D.; SALOIS, Martin. (2013). International Conference on Human-Computer Interaction, 113-122.
- Analyzing the friendliness of exchanges in an online software developer community, by CLEARY, Brendan; TESHIMA, Carlos Gómez; STOREY, Margaret-Anne D.; SINGER, Leif; TREUDE, Christoph. (2013). International Conference on Cooperative and Human Aspects of Software Engineering, 159-160.
- Blogging developer knowledge: Motivations, challenges, and future directions, by PARNIN, Chris; TREUDE, Christoph; STOREY, Margaret-Anne D. (2013). International Conference on Program Comprehension, 211-214.
- WorkItemExplorer: Visualizing software development tasks using an interactive exploration environment, by TREUDE, Christoph; GORMAN, Patrick; GRAMMEL, Lars; STOREY, Margaret-Anne D. (2012). International Conference on Software Engineering, 1399-1402.

How do programmers ask and answer questions on the web?, by TREUDE, Christoph; BARZILAY, Ohad; STOREY, Margaret-Anne D. (2011). International Conference on Software Engineering, 804-807.

Second international workshop on web 2.0 for software engineering: (International Workshop on Web 2.0 for Software Engineering 2011), by TREUDE, Christoph; STOREY, Margaret-Anne D.; DEURSEN, Arie van; BEGEL, Andrew; BLACK, Sue. (2011). International Conference on Software Engineering, 1222-1223.

Effective communication of software development knowledge through community portals, by TREUDE, Christoph; STOREY, Margaret-Anne D. (2011). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 91-101.

An Exploratory Study of Software Reverse Engineering in a Security Context, by TREUDE, Christoph; FILHO, Fernando Marques Figueira; STOREY, Margaret-Anne D.; SALOIS, Martin. (2011). Working Conference on Reverse Engineering, 184-188.

Mashup environments in software engineering, by GRAMMEL, Lars; TREUDE, Christoph; STOREY, Margaret-Anne D. (2010). International Workshop on Web 2.0 for Software Engineering, 24-25.

The implications of how we tag software artifacts: exploring different schemata and metadata for tags, by TREUDE, Christoph; STOREY, Margaret-Anne D. (2010). International Workshop on Web 2.0 for Software Engineering, 12-13.

The role of emergent knowledge structures in collaborative software development, by TREUDE, Christoph. (2010). International Conference on Software Engineering, 389-392.

Awareness 2.0: staying aware of projects, developers and tasks using dashboards and feeds, by TREUDE, Christoph; STOREY, Margaret-Anne D. (2010). International Conference on Software Engineering, 365-374.

Bridging lightweight and heavyweight task organization: the role of tags in adopting new task categories, by TREUDE, Christoph; STOREY, Margaret-Anne D. (2010). International Conference on Software Engineering, 231-234.

International Workshop on Web 2.0 for Software Engineering: First Workshop on Web 2.0 for Software Engineering, by TREUDE, Christoph; STOREY, Margaret-Anne D.; EHRLICH, Kate; DEURSEN, Arie van. (2010). International Conference on Software Engineering, 457-458.

A comparative exploration of FreeBSD bug lifetimes, by BOUGIE, Gargi; TREUDE, Christoph; GERMÁN, Daniel M.; STOREY, Margaret-Anne D. (2010). International Conference on Mining Software Repositories, 106-109.

The impact of social media on software engineering practices and tools, by STOREY, Margaret-Anne D.; TREUDE, Christoph; DEURSEN, Arie van; CHENG, Li-Te. (2010). Workshop on Future of Software Engineering Research, 359-364.

User interfaces for visual analysis and monitoring in business intelligence, by GRAMMEL, Lars; STOREY, Margaret-Anne D.; TREUDE, Christoph. (2009). Conference of the Centre for Advanced Studies on Collaborative Research, 323-324.

How tagging helps bridge the gap between social and technical aspects in software development, by TREUDE, Christoph; STOREY, Margaret-Anne D. (2009). International Conference on Software Engineering, 12-22.

ConcernLines: A timeline view of co-occurring concerns, by TREUDE, Christoph; STOREY, Margaret-Anne D. (2009). International Conference on Software Engineering, 575-578.

Difference computation of large models, by TREUDE, Christoph; BERLIK, Stefan; WENZEL, Sven; KELTER, Udo. (2007). Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering, 295-304.

## **Research Grants**

Socialz - Multi-Objective Automated Social Fuzz Testing. Facebook Research Award, PI: Markus WAGNER, Co-PI: Christoph TREUDE, 2021, SGD 123,736.

GloGen 2.0: Automated Generation of Structured and Domain-Specific Glossaries from Text Data, Defence Innovation Partnership Grant, Phase 2, PI: Christoph TREUDE, 2021, SGD 44,327.

Contextually Situated Anomaly Detection, Defence Innovation Partnership Grant, PI: Wei ZHANG, Co-PIs: Thushari ATAPATTU, Menasha THILAKARATNE, Markus WAGNER, Chetan ARORA, Christoph TREUDE, Phase 2, 2021, SGD 88,655.

Rewriting software documentation for non-native speakers, Google Faculty Research Award, PI: Christoph TREUDE, Co-PIs: Sebastian BALTES, Markus WAGNER, 2021, SGD 52,973.

Automated glossary generation from effective and efficient information extraction from text data, Defence Innovation Partnership Grant, Phase 1, PI: Christoph TREUDE, 2020, SGD 17,731.

Automatically Summarizing and Measuring Software Development Activity, ARC Discovery Early Career Researcher Award (DECRA), PI: Christoph TREUDE, 2018, SGD 320,441.

Automatically removing self-admitted technical debt, Short-term Fellowship, the Japan Society for the Promotion of Science, PI: Christoph TREUDE, 2017, SGD 7,092.

Automated analysis of natural language documents produced by software developers in Portuguese, CNPq Universal Grant, PI: Christoph TREUDE, 2015, SGD 7,092.

## **TEACHING**

### **Teaching Areas**

Software Engineering

Research Methods

Data Science

### **Courses Taught**

## Other Universities

### Masters courses:

Software Processes and Management, The University of Melbourne, Australia  
Masters Software Engineering Project, The University of Melbourne, Australia  
Software Project, The University of Melbourne, Australia  
Software Engineering in Industry, The University of Adelaide, Australia  
Master of Software Engineering Project Part A, The University of Adelaide, Australia  
Master of Software Engineering Project Part B, The University of Adelaide, Australia

### Undergraduate and Masters courses:

Research Methods in Software Engineering and Computer Science, The University of Adelaide, Australia  
Software Process Improvement, The University of Adelaide, Australia  
Software Engineering & Project, Ngee Ann-Adelaide Education Centre, Singapore  
Search Based Software Engineering, The University of Adelaide, Australia  
Mining Software Repositories, Universidade Federal do Rio Grande do Norte, Brazil  
Introduction to Programming and Data Analysis, Soochow University, Taiwan

### Undergraduate courses:

Open Source Software Development, Harbin Institute of Technology, China  
Software Engineering Research Project, The University of Adelaide, Australia  
Software Engineering Workshop I, The University of Adelaide, Australia  
Algorithm & Data Structure Analysis, The University of Adelaide, Australia  
Programmierpraktikum, Universität Siegen, Germany

## **THESES AND DISSERTATIONS**

### **Theses and Dissertations Supervised**

Co-Supervisor, "Identifying and Analyzing Java Exception Handling Guidelines: A Developers Point-of-View",  
Dissertation by HUGO FARIA MELO, PhD in Computer Science, Federal University of Rio Grande do Norte, Brazil,  
2019

Co-Supervisor, "Summarising Software Engineering Data", Dissertation by MAHFOUTH AHMAD ALGHAMDI, PhD in  
Computer Science, The University of Adelaide, Australia, 2022

Co-Supervisor, "Business-driven Technical Debt Prioritization", Dissertation by RODRIGO REBOUCAS DE ALMEIDA,  
PhD in Computer Science, Federal University of Rio Grande do Norte, Brazil, 2022

Co-Supervisor, "A Knowledge-based Approach to the Development of Secure Software for IoT-based Healthcare",  
Dissertation by BAKHEET HAMDAN M ALJEDAANI, PhD in Computer Science, The University of Adelaide, Australia,  
2022

Co-Supervisor, "Improving Developer Efficiency through Code Reuse", Dissertation by BRITTANY ANNE REID, PhD in  
Computer Science, The University of Adelaide, Australia, 2023

## **EXTERNAL SERVICE – PROFESSIONAL**

Committee Member, 47th International Conference on Software Engineering (ICSE 2025), 2025

Area Chair, 46th International Conference on Software Engineering (ICSE 2024), 2024

Mining Challenge Co-Chair, 21st International Conference on Mining Software Repositories (MSR 2024), 2024

Committee Member, 32nd Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (FSE 2024), 46th International Conference on Software Engineering (Area Chair for Human and Social Aspects) (ICSE 2024), Software Engineering Education and Training @ ICSE 2024 (ICSE SEET 2024), 2024

General Chair, 31st International Conference on Program Comprehension (ICPC 2023), 6th International Conference on Technical Debt (TechDebt 2023), 2023

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

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

Conference Treasurer, 45th International Conference on Software Engineering (ICSE 2023), 2023

Tool Demo Track Co-Chair, 31th Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2023), 2023

Committee Member, 45th International Conference on Software Engineering (ICSE 2023), 2023

New Ideas Track Co-Chair, 44th International Conference on Software Engineering (ICSE 2022), 2022

Committee Member, 30th Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2022), 44th International Conference on Software Engineering (ICSE 2022), 2022

Chair of the Steering Committee, International Conference on Software Maintenance and Evolution (ICSME), 2021 - 2023 (member 2020 - 2023)

Journal First Track Co-Chair, 29th International Conference on Program Comprehension (ICPC 2021), 2021

Committee Member, Registered Reports Track @ MSR 2021 (MSR RR 2021), New Ideas and Emerging Results @ ICSME 2021 (ICSME NIER 2021), 2021

General Co-Chair, 36th International Conference on Software Maintenance and Evolution (ICSME 2020), 2020

Guest Editor, Empirical Software Engineering journal, 2020



Committee Member, 42nd International Conference on Software Engineering (ICSE 2020), 28th Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2020), 35th International Conference on Automated Software Engineering (ASE 2020), 17th International Conference on Mining Software Repositories (MSR 2020), Registered Reports Track @ MSR 2020 (MSR RR 2020), 15th International Conference on Global Software Engineering (ICGSE 2020), Late Breaking Ideas track of the 27th International Conference on Software Analysis, Evolution and Reengineering (SANER LBI 2020), 2020

Mining Challenge Co-Chair, 16th International Conference on Mining Software Repositories (MSR 2019), 2019

Member of Board of Distinguished Reviewers, ACM Transactions on Software Engineering and Methodology, 2019 - Present

Guest Editor, IEEE Software, 2019

Committee Member, 41st International Conference on Software Engineering (ICSE 2019), 27th Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2019), 35th International Conference on Software Maintenance and Evolution (ICSME 2019), 16th International Conference on Mining Software Repositories (MSR 2019), Demo track of the International Conference on Automated Software Engineering (ASE 2019 Demo), Replication and Negative Results track of the 19th International Working Conference on Source Code Analysis and Manipulation (SCAM RENE 2019), Industry track of the International Symposium on Empirical Software Engineering and Measurement (ESEM Industry 2019), 33rd Brazilian Symposium on Software Engineering (SBES 2019), 10th International Workshop on Empirical Software Engineering in Practice (IWESEP 2019), 2019

Editorial Board member, Empirical Software Engineering journal, 2018 - Present

Program Co-Chair, 9th International Workshop on Empirical Software Engineering in Practice (IWESEP 2018), 2018

Committee Member, ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE 2018), 25th International Conference on Software Analysis, Evolution and Reengineering (SANER 2018), 15th International Conference on Mining Software Repositories (MSR 2018), 32nd Brazilian Symposium on Software Engineering (SBES 2018), 21st Conference on Computer-Supported Cooperative Work and Social Computing (External Reviewer) (CSCW 2018), Student Contest on Software Engineering @ ICSE 2018 (SCORE 2018), Student Research Competition of the 40th International Conference on Software Engineering (ICSE 2018 SRC), 2nd International Workshop on API Usage and Evolution @ ICSE 2018 (WAPI 2018), 4th Workshop on Sustainable Architecture Global Collaboration, Requirements, Analysis @ ECSA 2018 (SAGRA 2018), 2018

Committee Member, 39th International Conference on Software Engineering (ICSE 2017), 33rd International Conference on Software Maintenance and Evolution (ICSME 2017), 24th International Conference on Software Analysis, Evolution, and Reengineering (SANER 2017), 12th International Conference on Global Software Engineering (ICGSE 2017), 17th International Working Conference on Source Code Analysis and Manipulation (SCAM 2017), 31st Brazilian Symposium on Software Engineering (SBES 2017), Student Research Competition of the 39th International Conference on Software Engineering (ICSE 2017 SRC), New Ideas track of the 33rd International Conference on Software Maintenance and Evolution (ICSME NIER 2017), 10th India Software Engineering Conference (ISEC 2017), 4th International Workshop on Evidential Assessment of Software Technologies (EAST 2017), International Conference of Human-Computer Interaction (External Reviewer, recognized as Excellent

Reviewer) (CHI 2017), 20th Conference on Computer-Supported Cooperative Work and Social Computing (External Reviewer) (CSCW 2017), 2017

Committee Member, 16th International Working Conference on Source Code Analysis and Manipulation (SCAM 2016), 13th Working Conference on Mining Software Repositories (MSR 2016), 10th Brazilian Symposium on Software Components, Architectures, and Reuse (SBCARS 2016), 11th International Conference on Global Software Engineering (ICGSE 2016), Early Research Achievements track of the 32nd International Conference on Software Maintenance and Evolution (ICSME ERA 2016), Artifacts track of the 24th International Symposium on the Foundations of Software Engineering (FSE 2016 Artifacts Track), Artifacts track of the 32nd International Conference on Software Maintenance and Evolution (ICSME 2016 Artifacts Track), Early Research Achievements track of the 23rd International Conference on Software Analysis, Evolution, and Reengineering (SANER ERA 2016), 3rd International Workshop on Crowdsourcing in Software Engineering @ ICSE 2016 (CSI-SE 2016), 9th International Workshop on Cooperative and Human Aspects of Software Engineering @ ICSE 2016 (CHASE 2016), 1st Workshop on Social, Human, and Economic Aspects of Software @ SBQS 2016 (WASHES 2016), 2016

Associate Blog Editor, IEEE Software Blog, 2015 - 2018

Committee Member, 7th International Workshop on Social Software Engineering @ FSE 2015 (SSE 2015), First Workshop of Open Innovation in Software Engineering (OISE 2015), Symposium in Information and Human Language Technology (STIL 2015), Early Research Achievements track of the 31st International Conference on Software Maintenance and Evolution (ICSME ERA 2015), 9th Brazilian Symposium on Software Components, Architectures and Reuse @ CBSOFT 2015 (SBCARS 2015), International Conference of Human-Computer Interaction (External Reviewer) (CHI 2015), 2nd International Workshop on Crowdsourcing in Software Engineering @ ICSE 2015 (CSI-SE 2015), Cooperative and Human Aspects of Software Engineering @ ICSE 2015 (CHASE 2015), Mining Challenge of the 12th Working Conference on Mining Software Repositories (MSR Mining Challenge 2015), 12th Working Conference on Mining Software Repositories (MSR 2015), Early Research Achievements track of the 22nd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER ERA 2015), 31st International Conference on Software Maintenance and Evolution (ICSME 2015), 2015

Publicity Chair, 36th International Conference on Software Engineering (ICSE 2014), 2014

Committee Member, 6th International Workshop on Social Software Engineering @ FSE 2014 (SSE 2014), Early Research Achievements track of the 30th International Conference on Software Maintenance and Evolution (ICSME ERA 2014), Crowdsourcing in Software Engineering @ ICSE 2014 (CSI-SE 2014), Cooperative and Human Aspects of Software Engineering @ ICSE 2014 (CHASE 2014), 11th Working Conference on Mining Software Repositories (MSR 2014), Mining Challenge of the 11th Working Conference on Mining Software Repositories (MSR Mining Challenge 2014), Tool Demonstrations track of the CSMR-WCRE 2014 Software Evolution Week (CSMR-WCRE Demo 2014), Early Research Achievements track of the CSMR-WCRE 2014 Software Evolution Week (CSMR-WCRE ERA 2014), Poster track @ ICSE 2014 (ICSE Posters 2014), 2014

Committee Member, 5th International Workshop on Social Software Engineering @ ESEC/FSE 2013 (SSE 2013), Early Research Achievements track of the 21st International Conference on Program Comprehension (ICPC ERA 2013), Student Contest on Software Engineering @ ICSE 2013 (ICSE SCORE 2013), Tool demo track of the 21st International Conference on Program Comprehension (ICPC Demo 2013), Cooperative and Human Aspects of Software Engineering @ ICSE 2013 (CHASE 2013), Mining Challenge of the 10th Working Conference on Mining Software Repositories (MSR Mining Challenge 2013), Early Research Achievements track of the 17th European Conference on Software Maintenance and Reengineering (CSMR ERA 2013), 2013

Committee Member, 20th International Conference on Program Comprehension (ICPC 2012), Tool demo track of the 20th International Conference on Program Comprehension (ICPC Demo 2012), The Future of Collaborative Software Development @ CSCW 2012 (FutureCSD 2012), New Ideas track of the International Symposium on the Foundations of Software Engineering (FSE NIER 2012), 2012

Committee Member, Flexible Modeling Tools @ ICSE 2011 (FlexiTools 2011), 2011

Committee Member, Evaluation and Usability of Programming Languages and Tools @ SPLASH 2010 (PLATEAU 2010), Cooperative and Human Aspects of Software Engineering @ ICSE 2010 (CHASE 2010), 2010