Christoph Treude, PhD

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Research

My research improves the quality, reliability, and trustworthiness of software systems, as well as the productivity of those who build and maintain them. My recent work focuses on empirical and automated software engineering: human-AI collaboration in software development, AI-assisted development workflows, software supply chains and ecosystems, and reproducibility in scientific software.

Human–AI collaboration in software engineering

How developers and AI systems divide and coordinate work: taxonomies of collaboration, agentic coding tools and how developers configure them, AI code review, and what code-focused language models do and do not understand.

Software knowledge for humans and AI agents

How knowledge about a system is captured and communicated, from READMEs, API documentation, and code review to the context files that steer AI coding agents, and how to detect, summarize, and keep that knowledge up to date automatically.

Trustworthy software and scientific computing

How trust in software artifacts can be established and maintained: software supply chains, vulnerability detection, and reproducibility in scientific software.

Experience

From 2024: Associate Professor of Computer Science, *Singapore Management University, Singapore*

2021 – 2023: Senior Lecturer, *University of Melbourne, Australia*

2019 – 2021: Director of Internationalisation, *School of Computer Science, University of Adelaide, Australia*

2018 – 2020: ARC DECRA Fellow, *University of Adelaide, Australia*

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

2016 – 2021: Senior Lecturer, *University of Adelaide, Australia*

2015 – 2016: Researcher, *Universidade de São Paulo, Brazil*

2014 – 2015: Researcher, *Universidade Federal do Rio Grande do Norte, Brazil*

2012 – 2014: Postdoctoral Researcher, *McGill University, Canada*

Education

2022: Graduate Certificate in University Teaching, *University of Melbourne, Australia*

2007 – 2012: PhD in Computer Science, *University of Victoria, Canada*

2005 – 2006: Exchange student, *University of British Columbia, Canada*

2000 – 2007: *Diplom* in Computer Science/Management Information Systems, *Universität Siegen, Germany*

Awards & Honours

2025: ACM SIGSOFT Distinguished Paper Award at MSR 2025

2024: Distinguished Reviewer Award at FSE 2024

2024: Distinguished Reviewer Award at AIware 2024

2024: Best Reviewer Award at TechDebt 2024

2022: Distinguished Reviewer Award at ESEC/FSE 2022

2021: ACM SIGSOFT Distinguished Paper Award at ICSE 2021

2021: Best Paper Award at TechDebt 2021

2019: ACM SIGSOFT Distinguished Paper Award at ASE 2019

2019: Best Paper Award at ESEM 2019

2019: Named #6 among rising global Software Engineering research stars in a bibliometric study published in the Journal of Systems and Software

2017: Distinguished Reviewer Award for Outstanding Service as a Reviewer for the Empirical Software Engineering journal

2015: Best Paper Award at SBSC 2015

2013: Most Promising Idea Award at ICPC 2013

2013: Winner, Stack Overflow Visualization Contest

Funding

2025 – 2027: CREDO: Comprehend, Refactor, and Decide with Orchestrated Agents — A Framework for Legacy System Evolution, *MOE AcRF Tier 1 (PI)*

2024 – 2026: Mitigating Software Supply Chain Attacks through Automation and Code Ownership, *MOE AcRF Tier 1 (PI)*

2021 – 2022: Facebook (Meta) Research Award *(Co-PI)*

2020 – 2022: Defence Innovation Partnership Grant, Phases 1 and 2 *(PI and Co-PI)*

2020 – 2021: Google Faculty Research Award *(PI)*

2018 – 2020: ARC Discovery Early Career Researcher Award (DECRA) *(PI)*

2017 – 2018: Japan Society for the Promotion of Science (JSPS) Fellowship

Earlier: FAPESP and CNPq Fellowships (Brazil); IBM CAS PhD Fellowship

Editorial Boards

IEEE Transactions on Software Engineering: Associate Editor-in-Chief (since 2026; Associate Editor 2023 – 2025)

Journal of Software: Evolution and Process: Associate Editor (since 2024)

Journal of Systems and Software: Open Science Editor (since 2023)

Empirical Software Engineering journal: Editorial Board member (since 2018)

ACM Transactions on Software Engineering and Methodology: Member of Board of Distinguished Reviewers (2019 – 2023)

Empirical Software Engineering journal: Guest Editor "Collective Knowledge in Software Engineering" (2020)

Empirical Software Engineering journal: Guest Editor "Recommendation Systems for Software Engineering" (2020)

IEEE Software: Guest Editor "20 Years of Open Source—Impact on Software Engineering Practice" (2019)

IEEE Software Blog: Associate Editor (Human Factors, 2015 – 2018)

Conference Leadership

SANER 2028: Program Co-Chair

FSE 2027: Doctoral Symposium Co-Chair

ICSE 2027: New Faculty Symposium Co-Chair

FORGE 2026: General Co-Chair

ICSE 2026: Artifact Evaluation Co-Chair

SANER 2026: Early Research Achievement Track Co-Chair

TechDebt 2026: Most Influential Paper Award Chair

MSR 2026: Awards Committee Member

FSE 2026: Program Co-Chair

FSE: Steering Committee Member (since 2024)

ICSE 2024: Area Chair for Human and Social Aspects

MSR 2024: Mining Challenge Co-Chair

ICSME 2024: Tool Demo Track Co-Chair

TechDebt: Steering Committee Member (2023 – 2026)

ICPC 2023: General Chair

TechDebt 2023: General Chair

ICSE 2023: Conference Treasurer

ESEC/FSE 2023: Tool Demo Track Co-Chair

ESEC/FSE 2023: Test of Time Award Committee Member

ICSE 2022: New Ideas Track Co-Chair

ICPC 2022: Journal First Track Co-Chair

ICSME 2022: Joint Artifact Evaluation and ROSE Festival Track Co-Chair

ICSME 2021: Registered Reports Track Co-Chair

ICSME: Chair of the Steering Committee (member 2020 – 2023, chair 2021 – 2023)

ICSME 2020: General Co-Chair

MSR 2019: Mining Challenge Co-Chair

IWESEP 2018: Program Co-Chair

ICSE 2014: Publicity Chair

Publications

2026

Kexin Sun, Hongyu Kuang, Sebastian Baltes, Xin Zhou, He Zhang, Xiaoxing Ma, Guoping Rong, Dong Shao, and **Christoph Treude**. Does AI Code Review Lead to Code Changes? A Case Study of GitHub Actions. *IEEE Transactions on Software Engineering*, 2026.

Tao Xiao, Youmei Fan, Fabio Calefato, **Christoph Treude**, Raula Gaikovina Kula, Hideaki Hata, and Sebastian Baltes. Self-Admitted GenAI Usage in Open-Source Software. *IEEE Transactions on Software Engineering*, 2026.

Yuan Jiang, Shan Huang, **Christoph Treude**, Xiaohong Su, and Tiantian Wang. Shield Broken: Black-Box Adversarial Attacks on LLM-Based Vulnerability Detectors. *IEEE Transactions on Software Engineering*, 2026.

Junda He, Jieke Shi, Terry Yue Zhuo, **Christoph Treude**, Jiamou Sun, Zhenchang Xing, Xiaoning Du, and David Lo. LLM-as-a-Judge for Software Engineering: Literature Review, Vision, and the Road Ahead. *ACM Transactions on Software Engineering and Methodology*, 2026.

David Moreno-Lumbreras, Raula Gaikovina Kula, and **Christoph Treude**. BonsAIDE: An Extended Vision for Human-AI Interaction in IDEs. *ACM Transactions on Software Engineering and Methodology*, 2026.

Samuel Lucas de Moura Ferino, Rashina Hoda, John Grundy, and **Christoph Treude**. Novice Developers' Perspectives on Adopting LLMs for Software Development: A Systematic Literature Review. *ACM Transactions on Software Engineering and Methodology*, 2026.

Larissa Salerno, **Christoph Treude**, and Patanamon Thongtanunam. Open Source Software Development Tool Installation: Challenges and Strategies For Novice Developers. *Empirical Software Engineering*, 2026.

Sebastian Baltes, Florian Angermeir, Chetan Arora, Marvin Muñoz Barón, Chunyang Chen, Lukas Böhme, Fabio Calefato, Neil Ernst, Davide Falessi, Brian Fitzgerald, Davide Fucci, Junda He, **Christoph Treude**, Marcos Kalinowski, Stefano Lambiase, Daniel Russo, Mircea Lungu, Cristina Martinez Montes, Lutz Prechelt, Paul Ralph, Rijnard van Tonder, and Stefan Wagner. Guidelines for Empirical Studies in Software Engineering involving Large Language Models. *Empirical Software Engineering*, 2026.

Najam Nazar, Sameer Sikka, and **Christoph Treude**. DPS: Design pattern summarisation using code features. *Empirical Software Engineering*, 2026.

Changwen Li, **Christoph Treude**, and Ofir Turel. Do comments and expertise still matter? An experiment on programmers' adoption of AI-generated JavaScript code. *Journal of Systems and Software*, 2026.

Rita Garcia and **Christoph Treude**. A Case Study of Gender and Online Team Communication in Software Engineering Education. *Journal of Systems and Software*, 2026.

Vinay Kabadi, Bach Le, Patanamon Thongtanunam, and **Christoph Treude**. Just-in-Time Bug Classifier: A Step Towards Integrating Automated Program Repair in CI/CD Pipelines. *Information and Software Technology*, 2026.

Seyedmoein Mohsenimofidi, Matthias Galster, **Christoph Treude**, and Sebastian Baltes. Context Engineering for AI Agents in Open-Source Software. *MSR '26: International Conference on Mining Software Repositories*, 2026.

Matthias Galster, Seyedmoein Mohsenimofidi, Jai Lal Lulla, Muhammad Auwal Abubakar, **Christoph Treude**, and Sebastian Baltes. Configuring Agentic AI Coding Tools: An Exploratory Study. *AIware '26: International Conference on AI-powered Software*, 2026.

Christoph Treude, Sebastian Baltes, and Marc Cheong. Operationalizing Ethics for AI Agents: How Developers Encode Values into Repository Context Files. *AIware '26: International Conference on AI-powered Software*, 2026.

Christoph Treude. Accountable Agents in Software Engineering: An Analysis of Terms of Service and a Research Roadmap. *AIware '26: International Conference on AI-powered Software*, 2026.

Christoph Treude, Christopher M. Poskitt, and Rashina Hoda. Rethinking Artifact Evaluation for Software Engineering in the Age of Generative AI. *ICSE '26: International Conference on Software Engineering – Future of Software Engineering track*, 2026.

Pien Rooijendijk, **Christoph Treude**, and Mairieli Wessel. Who Said CVE? How Vulnerability Identifiers Are Mentioned by Humans, Bots, and Agents in Pull Requests. *MSR '26: International Conference on Mining Software Repositories – Mining Challenge track*, 2026.

Haoyu Gao, Peerachai Banyongrakkul, Hao Guan, Mansooreh Zahedi, and **Christoph Treude**. On Autopilot? An Empirical Study of Human–AI Teaming and Review Practices in Open Source. *MSR '26: International Conference on Mining Software Repositories – Mining Challenge track*, 2026.

Jai Lal Lulla, Matthias Galster, Jie M. Zhang, Sebastian Baltes, and **Christoph Treude**. The Impact of Configuring Agentic AI Coding Tools on Build-vs-Buy Decisions: A Study Protocol. *ESEM '26: International Symposium on Empirical Software Engineering and Measurement – Registered Reports track*, 2026.

Matthias Galster, Seyedmoein Mohsenimofidi, Levi Böhme, Jai Lal Lulla, Muhammad Auwal Abubakar, **Christoph Treude**, and Sebastian Baltes. A Dataset of Agentic AI Coding Tool Configurations. *AIware '26: International Conference on AI-powered Software – Benchmark & Dataset track*, 2026.

Zara Hassan, **Christoph Treude**, Graham Williams, Michael Norrish, and Alex Potanin. Managing Reproducibility Debt in Scientific Software: A Practical Framework. *SERS '26: International Workshop on Software Engineering and Research Software*, 2026.

Raula Gaikovina Kula, **Christoph Treude**, Xing Hu, Sebastian Baltes, Earl T. Barr, Kelly Blincoe, Fabio Calefato, Junjie Chen, Marc Cheong, Youmei Fan, Daniel M. German, Marco A. Gerosa, Jin L.C. Guo, Shinpei Hayashi, Robert Hirschfeld, Reid Holmes, Yintong Huo, Takashi Kobayashi, Michele Lanza, Zhongxin Liu, Olivier Nourry, Nicole Novielli, Denys Poshyvanyk, Shinobu Saito, Kazumasa Shimari, Igor Steinmacher, Mairieli Wessel, Markus Wagner, Annie Vella, Laurie Williams, and Xin Xia. Forecasting Developer Environments with GenAI: A Research Perspective. *IDE '26: International Workshop on Integrated Development Environments*, 2026.

Jai Lal Lulla, Seyedmoein Mohsenimofidi, Matthias Galster, Jie M. Zhang, Sebastian Baltes, and **Christoph Treude**. On the Impact of AGENTS.md Files on the Efficiency of AI Coding Agents. *JAWs '26: Journal Ahead Workshop*, 2026.

Samuel Lucas de Moura Ferino, Rashina Hoda, John Grundy, and **Christoph Treude**. Towards an Appropriate Level of Reliance on AI: A Preliminary Reliance-Control Framework for AI in Software Engineering. *HumanAISE: Workshop on Human-Centered AI for Software Engineering*, 2026.

2025

Haoyu Gao, **Christoph Treude**, and Mansooreh Zahedi. Adapting Installation Instructions in Rapidly Evolving Software Ecosystems. *IEEE Transactions on Software Engineering*, 2025.

Yuan Jiang, Zhichen Qu, **Christoph Treude**, Xiaohong Su, and Tiantian Wang. Enhancing Fine-Grained Vulnerability Detection with Reinforcement Learning. *IEEE Transactions on Software Engineering*, 2025.

Chuyan Ge, Tiantian Wang, Xiaotian Yang, and **Christoph Treude**. Cross-Level Requirements Tracing Based on Large Language Models. *IEEE Transactions on Software Engineering*, 2025.

Junda He, **Christoph Treude**, and David Lo. LLM-Based Multi-Agent Systems for Software Engineering: Literature Review, Vision and the Road Ahead. *ACM Transactions on Software Engineering and Methodology*, 2025.

Hong Yi Lin, Patanamon Thongtanunam, **Christoph Treude**, Michael Godfrey, Chunhua Liu, and Wachiraphan Charoenwet. Leveraging Reviewer Experience in Code Review Comment Generation. *ACM Transactions on Software Engineering and Methodology*, 2025.

Yuan Jiang, Zehao Li, Shan Huang, **Christoph Treude**, Xiaohong Su, and Tiantian Wang. Effective Code Membership Inference for Code Completion Models via Adversarial Prompts. *ASE '25: International Conference on Automated Software Engineering*, 2025.

Adriano Torres, Markus Wagner, **Christoph Treude**, and Sebastian Baltes. Information-theoretic detection of unusual source code changes. *Empirical Software Engineering*, 2025.

Zara Hassan, **Christoph Treude**, Michael Norrish, Graham Williams, and Alex Potanin. Characterising reproducibility debt in scientific software: A systematic literature review. *Journal of Systems and Software*, 2025.

Hussain Ahmad, **Christoph Treude**, Markus Wagner, and Claudia Szabo. Towards Resource-Efficient Reactive and Proactive Auto-Scaling for Microservice Architectures. *Journal of Systems and Software*, 2025.

Toufique Ahmed, Premkumar Devanbu, **Christoph Treude**, and Michael Pradel. Can LLMs Replace Manual Annotation of Software Engineering Artifacts?. *MSR '25: International Conference on Mining Software Repositories*, 2025.
(ACM SIGSOFT Distinguished Paper)

Peerachai Banyongrakkul, Mansooreh Zahedi, Patanamon Thongtanunam, **Christoph Treude**, and Haoyu Gao. From Release to Adoption: Challenges in Reusing Pre-trained AI Models for Downstream Developers. *ICSME '25: International Conference on Software Maintenance and Evolution*, 2025.

Chengran Yang, Jiakun Liu, Bowen Xu, **Christoph Treude**, Yunbo Lyu, Junda He, Ming Li, and David Lo. APIDocBooster: An Extract-Then-Abstract Framework Leveraging Large Language Models for Augmenting API Documentation. *ICSME '25: International Conference on Software Maintenance and Evolution*, 2025.

Hong Yi Lin, Chunhua Liu, Haoyu Gao, Patanamon Thongtanunam, and **Christoph Treude**. The Code Review Comprehension Assessment for Language Models. *ACL '25: Findings of the Association for Computational Linguistics*, 2025.

Scott Blyth, Sherlock A. Licorish, **Christoph Treude**, and Markus Wagner. Static Analysis as a Feedback Loop: Enhancing LLM-Generated Code Beyond Correctness. *SCAM '25: International Conference on Source Code Analysis and Manipulation*, 2025.

Christoph Treude and Margaret-Anne Storey. Generative AI and Empirical Software Engineering: A Paradigm Shift. *AIware '25: International Conference on AI-powered Software*, 2025.

Christoph Treude and Marco A. Gerosa. How Developers Interact with AI: A Taxonomy of Human-AI Collaboration in Software Engineering. *Forge '25: International Conference on AI Foundation Models and Software Engineering*, 2025.

Marcelo Romulo Fernandes, Pablo Paiva, Samuel Lucas de Moura Ferino, Roberta Coelho, **Christoph Treude**, Eduardo Aranha, and Uirá Kulesza. Educator Perceptions of DevOps Teaching Recommendations and Their Alignment with Common Challenges. *SBES '25: Brazilian Symposium on Software Engineering – Education track*, 2025.

Marc Cheong, Sankwi Abuzo, Hideaki Hata, Priscilla Kevin, Winifred Kula, Benson Mirou, **Christoph Treude**, Dong Wang, and Raula Gaikovina Kula. Building Bridges across Papua New Guinea's Digital Divide in Growing the ICT Industry. *SEiGS '25: Symposium on Software Engineering in the Global South*, 2025.

Christoph Treude and Christopher M. Poskitt. Bot-Driven Development: From Simple Automation to Autonomous Software Development Bots. *BotSE '25: International Workshop on Bots in Software Engineering*, 2025.

Zara Hassan, **Christoph Treude**, Graham Williams, Michael Norrish, and Alex Potanin. Reproducibility Debt in Scientific Software. *SPLASH '25: International Conference on Systems, Programming, Languages, and Applications: Software for Humanity - Poster track*, 2025.

2024

Yuan Jiang, Yujian Zhang, Xiaohong Su, **Christoph Treude**, and Tiantian Wang. StagedVulBERT: Multi-Granular Vulnerability Detection with a Novel Pre-trained Code Model. *IEEE Transactions on Software Engineering*, 2024.

Youmei Fan, Tao Xiao, Hideaki Hata, **Christoph Treude**, and Kenichi Matsumoto. "My GitHub Sponsors profile is live!" Investigating the Impact of Twitter/X Mentions on GitHub Sponsors. *ICSE '24: International Conference on Software Engineering*, 2024.

Tao Xiao, Hideaki Hata, **Christoph Treude**, and Kenichi Matsumoto. Generative AI for Pull Request Descriptions: Adoption, Impact, and Developer Interventions. *FSE '24: International Conference on the Foundations of Software Engineering*, 2024.

Wachiraphan Charoenwet, Patanamon Thongtanunam, Thuan Pham, and **Christoph Treude**. Toward Effective Secure Code Reviews: An Empirical Study of Security-Related Coding Weaknesses. *Empirical Software Engineering*, 2024.

James Caddy, **Christoph Treude**, Markus Wagner, and Earl T. Barr. The Role of Surprisal in Issue Trackers. *Empirical Software Engineering*, 2024.

Youmei Fan, Dong Wang, Supatsara Wattanakriengkrai, Hathaichanok Damrongsiri, **Christoph Treude**, Hideaki Hata, and Raula Gaikovina Kula. Developer Reactions to Protestware in Open Source Software: The cases of color.js and es5.ext. *Empirical Software Engineering*, 2024.

Marc Cheong, Raula Gaikovina Kula, and **Christoph Treude**. Ethical Considerations Towards Protestware. *IEEE Software*, 2024.

Youmei Fan, Ani Hovhannisyan, Hideaki Hata, **Christoph Treude**, and Raula Gaikovina Kula. The Impact of Sanctions on GitHub Developers and Activities. *IEEE Software*, 2024.

Muneera Bano, Rashina Hoda, Didar Zowghi, and **Christoph Treude**. Large Language Models for Qualitative Research in Software Engineering: Exploring Opportunities and Challenges. *Automated Software Engineering*, 2024.

Wachiraphan Charoenwet, Patanamon Thongtanunam, Thuan Pham, and **Christoph Treude**. An Empirical Study of Static Analysis Tools for Secure Code Review. *ISSTA '24: International Symposium on Software Testing and Analysis*, 2024.

Hong Yi Lin, Patanamon Thongtanunam, **Christoph Treude**, and Wachiraphan Charoenwet. Improving Automated Code Reviews: Learning From Experience. *MSR '24: International Conference on Mining Software Repositories*, 2024.

Huy Nguyen, **Christoph Treude**, and Patanamon Thongtanunam. Encoding Version History Context for Better Code Representation. *MSR '24: International Conference on Mining Software Repositories*, 2024.

Daniel Garijo, Miguel Arroyo, Esteban González Guardia, **Christoph Treude**, and Nicola Tarocco. Bidirectional Paper-Repository Tracing in Software Engineering. *MSR '24: International Conference on Mining Software Repositories – Data track*, 2024.

Haoyu Gao, Mansooreh Zahedi, **Christoph Treude**, Sarita Rosenstock, and Marc Cheong. Documenting Ethical Considerations in Open Source AI Models. *ESEM '24: International Symposium on Empirical Software Engineering and Measurement*, 2024.

Akalanka Galappaththi, Sarah Nadi, and **Christoph Treude**. An Empirical Study of API Misuses of Data-Centric Libraries. *ESEM '24: International Symposium on Empirical Software Engineering and Measurement*, 2024.

Hussain Ahmad, **Christoph Treude**, Markus Wagner, and Claudia Szabo. Smart HPA: A Resource-Efficient Horizontal Pod Auto-scaler for Microservice Architectures. *ICSA '24: International Conference on Software Architecture*, 2024.

Chetan Arora, Ahnaf Ibn Sayeed, Sherlock A. Licorish, Fanyu Wang, and **Christoph Treude**. Optimizing LLMs for Code Generation: Which Hyperparameter Settings Yield the Best Results?. *APSEC '24: Asia-Pacific Software Engineering Conference*, 2024.

Scott Blyth, **Christoph Treude**, and Markus Wagner. Creative and Correct: Requesting Diverse Code Solutions from AI Foundation Models. *FORGE '24: AI Foundation Models and Software Engineering*, 2024.

Rita Garcia, **Christoph Treude**, and Andrew Valentine. Application of Collaborative Learning Paradigms within Software Engineering Education: A Systematic Mapping Study. *SIGCSE '24: Technical Symposium on Computer Science Education*, 2024.

Francisco Zanartu, **Christoph Treude**, and Markus Wagner. Socialz: Multi-Feature Social Fuzz Testing. *GECCO '24: Genetic and Evolutionary Computation Conference*, 2024.

Marcos Medeiros, Uirá Kulesza, Roberta Coelho, Rodrigo Bonifácio, **Christoph Treude**, and Eiji A. Barbosa. The Impact Of Bug Localization Based on Crash Report Mining: A Developers' Perspective. *ICSE '24: International Conference on Software Engineering – SEIP track*, 2024.

Liam Todd, John Grundy, and **Christoph Treude**. GitHubInclusifier: Finding and fixing non-inclusive language in GitHub Repositories. *ICSE '24: International Conference on Software Engineering – Demo track*, 2024.

Zara Hassan, **Christoph Treude**, Michael Norrish, Graham Williams, and Alex Potanin. Reproducibility Debt: Challenges and Future Pathways. *FSE '24: International Conference on the Foundations of Software Engineering – Vision track*, 2024.

Oscar Manglaras, Alex Farkas, Peter Fule, **Christoph Treude**, and Markus Wagner. MicroKarta: Visualising Microservice Architectures. *FSE '24: International Conference on the Foundations of Software Engineering – Demo track*, 2024.

Takashi Nakano, Kazumasa Shimari, Raula Gaikovina Kula, **Christoph Treude**, Marc Cheong, and Kenichi Matsumoto. Nigerian Software Engineer or American Data Scientist? GitHub Profile Recruitment Bias in Large Language Models. *ICSME '24: International Conference on Software Maintenance and Evolution – NIER track*, 2024.

Xueting Guan and **Christoph Treude**. Enhancing Source Code Representations for Deep Learning with Static Analysis. *ICPC '24: International Conference on Program Comprehension – ERA track*, 2024.

James Caddy and **Christoph Treude**. Prioritising GitHub Priority Labels. *PROMISE '24: Predictive Models and Data Analytics in Software Engineering*, 2024.

2023

Brittany Reid, Marcelo d'Amorim, Markus Wagner, and **Christoph Treude**. NCQ: Code reuse support for Node.js developers. *IEEE Transactions on Software Engineering*, 2023.

Haoyu Gao, **Christoph Treude**, and Mansooreh Zahedi. Evaluating Transfer Learning for Simplifying GitHub READMEs. *ESEC/FSE '23: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, 2023.

Felipe Fronchetti, David Shepherd, Igor Scaliante Wiese, **Christoph Treude**, Marco A. Gerosa, and Igor Steinmacher. Do CONTRIBUTING files provide information about OSS newcomers' onboarding barriers?. *ESEC/FSE '23: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, 2023.

Vittunyuta Maeprasart, Supatsara Wattanakriengkrai, Raula Gaikovina Kula, **Christoph Treude**, and Kenichi Matsumoto. Understanding the Role of External Pull Requests in the NPM Ecosystem. *Empirical Software Engineering*, 2023.

Tao Xiao, Sebastian Baltes, Hideaki Hata, **Christoph Treude**, Raula Gaikovina Kula, Takashi Ishio, and Kenichi Matsumoto. 18 Million Links in Commit Messages: Purpose, Evolution, and Decay. *Empirical Software Engineering*, 2023.

João Helis Bernardo, Daniel Alencar da Costa, Uirá Kulesza, and **Christoph Treude**. The Impact of a Continuous Integration Service on the Delivery Time of Merged Pull Requests. *Empirical Software Engineering*, 2023.

Mairieli Wessel, Joseph Vargovich, Marco A. Gerosa, and **Christoph Treude**. GitHub Actions: The Impact on the Pull Request Process. *Empirical Software Engineering*, 2023.

Giovani Guizzo, Jie M. Zhang, Federica Sarro, **Christoph Treude**, and Mark Harman. Mutation Analysis for Evaluating Code Translation. *Empirical Software Engineering*, 2023.

Wen Siang Tan, Markus Wagner, and **Christoph Treude**. Detecting Outdated Code Element References in Software Repository Documentation. *Empirical Software Engineering*, 2023.

Yuan Jiang, Xiaohong Su, **Christoph Treude**, Chao Shang, and Tiantian Wang. Does Deep Learning improve the performance of duplicate bug report detection? An empirical study. *Journal of Systems and Software*, 2023.

Dong Wang, Tao Xiao, **Christoph Treude**, Raula Gaikovina Kula, Hideaki Hata, and Yasutaka Kamei. Understanding the Role of Images on Stack Overflow. *MSR '23: International Conference on Mining Software Repositories*, 2023.

Christoph Treude and Hideaki Hata. She Elicits Requirements and He Tests: Software Engineering Gender Bias in Large Language Models. *MSR '23: International Conference on Mining Software Repositories*, 2023.

Wen Siang Tan, Markus Wagner, and **Christoph Treude**. Wait, wasn't that code here before? Detecting Outdated Software Documentation. *ICSME '23: International Conference on Software Maintenance and Evolution*, 2023.

Brittany Reid, **Christoph Treude**, and Markus Wagner. Using the TypeScript compiler to fix erroneous Node.js snippets. *SCAM '23: International Working Conference on Source Code Analysis and Manipulation*, 2023.

Oscar Manglaras, Alex Farkas, Peter Fule, **Christoph Treude**, and Markus Wagner. Problems in Microservice Development: Supporting Visualisation. *VISSOFT '23: Working Conference on Software Visualization*, 2023.

Sebastian Baltes, Brian Pfitzmann, Thomas Kowark, **Christoph Treude**, and Fabian Beck. Visually Analyzing Company-wide Software Service Dependencies: An Industrial Case Study. *VISSOFT '23: Working Conference on Software Visualization*, 2023.

Samuel Lucas de Moura Ferino, Marcelo Romulo Fernandes, Elder Cirilo, Lucas Agnez, Bruno Batista, Uirá Kulesza, Eduardo Aranha, and **Christoph Treude**. Overcoming Challenges in DevOps Education through Teaching Methods. *ICSE '23: International Conference on Software Engineering – SEET track*, 2023.

Larissa Salerno, Simone de França Tonhão, Igor Steinmacher, and **Christoph Treude**. Barriers and Self-Efficacy: A Large-Scale Study on the Impact of OSS Courses on Student Perceptions. *ITiCSE '23: Conference on Innovation and Technology in Computer Science Education*, 2023.

Supatsara Wattanakriengkrai, Raula Gaikovina Kula, **Christoph Treude**, and Kenichi Matsumoto. Lessons from the Long Tail: Analysing Unsafe Dependency Updates across Software Ecosystems. *ESEC/FSE '23: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering – Ideas, Visions and Reflections track*, 2023.

Rita Garcia, **Christoph Treude**, and Wendy La. Towards Understanding the Open Source Interest in Gender-Related GitHub Projects. *CHASE '23: International Conference on Cooperative and Human Aspects of Software Engineering*, 2023.

Rodrigo Rebouças de Almeida, **Christoph Treude**, and Uirá Kulesza. What's behind tight deadlines? Business causes of technical debt. *CHASE '23: International Conference on Cooperative and Human Aspects of Software Engineering*, 2023.

Christoph Treude. Navigating Complexity in Software Engineering: A Prototype for Comparing GPT-n Solutions. *BotSE '23: International Workshop on Bots in Software Engineering*, 2023.

Yaohou Fan, Chetan Arora, and **Christoph Treude**. Stop Words for Processing Software Engineering Documents: Do they Matter?. *NLBSE '23: International Workshop on Natural Language-Based Software Engineering*, 2023.

Adriano Torres, Sebastian Baltes, **Christoph Treude**, and Markus Wagner. Applying information theory to software evolution. *NLBSE '23: International Workshop on Natural Language-Based Software Engineering*, 2023.

Syful Islam, Raula Gaikovina Kula, **Christoph Treude**, Bodin Chinthanet, Takashi Ishio, and Kenichi Matsumoto. An empirical study of package management issues via Stack Overflow. *IEICE Transactions on Information and Systems*, 2023.

2022

Supatsara Wattanakriengkrai, Dong Wang, Raula Gaikovina Kula, **Christoph Treude**, Patanamon Thongtanunam, Takashi Ishio, and Kenichi Matsumoto. Giving Back: Contributions Congruent to Library Dependency Changes in a Software Ecosystem. *IEEE Transactions on Software Engineering*, 2022.

Naomichi Shimada, Tao Xiao, Hideaki Hata, **Christoph Treude**, and Kenichi Matsumoto. GitHub Sponsors: Exploring a New Way to Contribute to Open Source. *ICSE '22: International Conference on Software Engineering*, 2022.

Neng Zhang, Chao Liu, Xin Xia, **Christoph Treude**, Ying Zou, David Lo, and Zibin Zheng. ShellFusion: Answer Generation for Shell Programming Tasks via Knowledge Fusion. *ICSE '22: International Conference on Software Engineering*, 2022.

Mingwei Liu, Xin Peng, Andrian Marcus, **Christoph Treude**, Jiazhan Xie, Huanjun Xu, and Yanjun Yang. How to Formulate Specific How-To Questions in Software Development?. *ESEC/FSE '22: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, 2022.

Yuan Jiang, Xiaohong Su, **Christoph Treude**, and Tiantian Wang. Hierarchical Semantic-Aware Neural Code Representation. *Journal of Systems and Software*, 2022.

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Christoph Treude and Margaret-Anne Storey. How tagging helps bridge the gap between social and technical aspects in software development. *ICSE '09: International Conference on Software Engineering*, 2009.

Christoph Treude and Margaret-Anne Storey. ConcernLines: A timeline view of co-occurring concerns. *ICSE '09: International Conference on Software Engineering*, 2009.

Lars Grammel, Margaret-Anne Storey, and **Christoph Treude**. User interfaces for visual analysis and monitoring in business intelligence. *CASCON '09: Conference of the Center for Advanced Studies on Collaborative Research*, 2009.

Christoph Treude, Margaret-Anne Storey, and Jens Weber. Empirical Studies on Collaboration in Software Development: A Systematic Literature Review. *University of Victoria, Technical Report*, 2009.

2008

Christoph Treude. Elektronisches Geld. *Books on Demand, ISBN 9783638666596*, 2008.

2007

Christoph Treude, Stefan Berlik, Sven Wenzel, and Udo Kelter. Difference computation of large models. *ESEC/FSE '07: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering*, 2007.

Christoph Treude. Einsatz multidimensionaler Suchstrukturen zur Optimierung der Bestimmung von Dokumentdifferenzen. *Diplom thesis, Universität Siegen*, 2007.

Christoph Treude. Microsoft Patterns: Web presentation Patterns. *GRIN Verlag, ISBN 9783638666589*, 2007.

Christoph Treude. Anforderungen an Wissensmanagement. *GRIN Verlag, ISBN 9783638751865*, 2007.

Keynotes & Invited Talks

Keynote Addresses

From Code Generation to Model Reuse: Getting Human-AI Interaction Right in Software Engineering
October 28, 2025, IEEE International Conference on Data and Software Engineering, Batam, Indonesia

Beyond Autocomplete: Towards Effective Human-AI Interaction in Software Engineering
September 12, 2025, WASP Software Engineering and Technology Cluster Workshop, Chalmers University, Gothenburg, Sweden

Effective Representation and Dissemination of Programming Knowledge
November 3, 2021, International Conference on Data and Software Engineering, Bandung, Indonesia

Bite-sized Software Documentation
September 25, 2019, Workshop on Software Visualization, Evolution, and Maintenance, Salvador, Brazil

How Do Social Media Artifacts Support Collaborative Software Development? Empirical Studies from the University of Victoria
September 5, 2011, International Workshop on Social Software Engineering, Szeged, Hungary

Invited Talks

MSR in the Age of LLMs
April 2024, International Conference on Mining Software Repositories, Lisbon, Portugal

Engineering SE4FMApps: Challenges and Best Practices
September 2023, Huawei Strategy and Technology Workshop, Shenzhen, China

Getting information to software engineers when and where they need it
September 2023, Australian National University, Canberra, Australia

Coding in the Real World: Teaching Programming Through Open Source Collaboration
September 2023, Second International Workshop on BRIdging the Divides with Globally Engineered Software, Port Moresby, Papua New Guinea

Unlocking the Human and Social Side of Software Engineering: From Programmers to Ecosystems
February 2023, Singapore Management University, Singapore

Effective Representation and Dissemination of Programming Knowledge
December 2022, Nara Institute of Science and Technology, Nara, Japan

Effective Representation and Dissemination of Programming Knowledge
November 2022, National University of Singapore, Singapore

Effective Representation and Dissemination of Programming Knowledge
November 2022, SAP, Walldorf, Germany

Getting information to software engineers when and where they need it
August 2022, University of Otago, Dunedin, New Zealand

Getting information to software engineers when and where they need it
May 2022, Monash University, Melbourne, Australia

Effective Representation and Dissemination of Programming Knowledge
April 2021, University of Adelaide, Adelaide, Australia

Improving software documentation quality
April 2021, Google Tech Talk, Sydney, Australia

Uncovering the best parts of software documentation
January 2020, Universita della Svizzera italiana, Lugano, Switzerland

NLP-driven access to software documentation
February 2019, Asia Pacific Track at SANER 2019, Hangzhou, China

Unlocking software documentation
January 2019, University of Texas at Dallas, Dallas, United States

Supporting developers in navigating software documentation
September 2018, Carnegie Mellon University, Pittsburgh, United States

Bridging the gap between software documentation authors and consumers
August 2018, ABB Research, Raleigh, United States

Unlocking insights hidden in software documentation
August 2018, North Carolina State University, United States

Repacking software artefacts to bridge the gap between documentation authors and readers
April 2018, University of Canterbury, Christchurch, New Zealand

Supporting developers in navigating software documentation
April 2018, Victoria University of Wellington, Wellington, New Zealand

Enabling better access to software documentation
April 2018, University of Auckland, Auckland, New Zealand

Unlocking the information hidden in software repositories with NLP and ML
February 2018, Tokyo Institute of Technology, Tokyo, Japan

Using NLP and ML to unlock information hidden in software repositories
February 2018, Waseda University, Tokyo, Japan

Bridging the gap between software documentation authors and consumers
January 2018, Kyushu University, Fukuoka, Japan

Unlocking information hidden in software repositories
January 2018, Osaka University, Osaka, Japan

Enabling full access to the information in software repositories
December 2017, Nara Institute of Science and Technology, Nara, Japan

Bimodal Software Documentation
October 2017, The CREST Open Workshop - Bimodal Program Analysis, London, United Kingdom

Unlocking the insights hidden in software documentation
October 2017, Monash University, Melbourne, Australia

Using Natural Language Processing to Enhance Software Documentation
July 2017, Harbin Institute of Technology, Harbin, China

Code Snippet Content Assist via Software Development Tasks
July 2017, Harbin Institute of Technology, Harbin, China

Supporting Newcomers to Software Projects
July 2017, Harbin Institute of Technology, Harbin, China

Building Tools to Improve Access to Software Documentation
June 2017, Singapore Management University, Singapore

"Stop trying to do what you're trying to do": Developers' Perceptions of Measuring Productivity
March 2017, Dagstuhl Seminar on Rethinking Productivity in Software Engineering, Dagstuhl, Germany

Searching and summarizing software documentation
February 2017, Northern Arizona University, Flagstaff, AZ, United States

Improving access to software documentation
January 2017, Data61, Sydney, NSW, Australia

Finding and navigating software documentation
June 2016, MapTek, Adelaide, SA, Australia

Making sense of software documentation with natural language processing
April 2016, Hong Kong University of Science and Technology, Hong Kong, China

Using natural language processing to make sense of software documentation
April 2016, Deakin University, Melbourne, Australia

Using NLP to identify meaningful sentences in informal documentation
March 2016, NII Shonan Meeting on Mining & Modeling Unstructured Data in Software – Challenges for the Future, Shonan, Japan

TaskNav: A Search Interface for Software Documentation Using Natural Language Processing
December 2015, Fluminense Federal University, Niterói, RJ, Brazil

Searching Software Documentation with the Help of Natural Language Processing
November 2015, Bluesoft, São Paulo, SP, Brazil

Source code and everything else: Enabling full access to software repositories
October 2015, University of Adelaide, SA, Australia

Using Natural Language Processing to Extract Task Descriptions from Software Documentation
September 2015, Concordia University, Montreal, QC, Canada

Supporting Software Developers by Automatically Extracting Development Task Descriptions
February 2015, Universidade de São Paulo, SP, Brazil

The Role of Social Media Artifacts in Collaborative Software Development
April 2012, University of Massachusetts Amherst, MA, United States

The Role of Social Media Artifacts in Collaborative Software Development
February 2012, The College of William and Mary, Williamsburg, VA, United States

The Role of Social Media Artifacts in Collaborative Software Development
February 2012, Rochester Institute of Technology, Rochester, NY, United States

Awareness 2.0: Staying Aware of Projects, Developers and Tasks using Dashboards and Feeds
September 2010, IBM Research, Hawthorne, NY, United States

Lightweight Collaboration: Tags, Dashboards and Feeds in IBM's Jazz
March 2010, University of California, Irvine, CA, United States

Dashboards in IBM's Jazz: Business Intelligence for Software Development
November 2009, IBM CASCON Workshop on User Interfaces for Visual Analysis and Monitoring in Business Intelligence, Toronto, ON, Canada

Lightweight Collaboration: Tags, Dashboards & Feeds in Jazz
August 2009, McGill University, Montreal, QC, Canada

How Tagging Supports Informal Processes in Software Development
August 2009, Department of National Defense, Valcartier, QC, Canada

Tags for Work Items and Dashboards in IBM's Jazz
July 2009, IBM Cognos, Ottawa, ON, Canada

How Tagging Supports Informal Processes in Software Development
June 2009, IBM Research, Hawthorne, NY, United States

How Tagging Supports Informal Processes in Software Development
June 2009, IBM Research, Cambridge, MA, United States

Workshop Organization

KG4SE 2020: International Workshop on Knowledge Graph for Software Engineering at the International Conference on Software Engineering (ICSE) 2020
with Xin Peng, Andrian Marcus, Xin Xia, and Zhenchang Xing

BRIDGES 2019: International Workshop on Bridging Divides with Globally Engineered Software in Port Moresby, Papua New Guinea
with Raula Kula and Hideaki Hata

DySDoc 2019: Second International Workshop on Dynamic Software Documentation at McGill University's Bellairs Research Institute
with Martin Robillard, Andrian Marcus, and Michele Lanza

Adelaide Autumn School on Software Engineering 2018
with Markus Wagner

DySDoc 2018: Second International Workshop on Dynamic Software Documentation at McGill University's Bellairs Research Institute
with Martin Robillard and Andrian Marcus

DySDoc 2017: First International Workshop on Dynamic Software Documentation at McGill University's Bellairs Research Institute
with Martin Robillard and Andrian Marcus

SSE 2016: International Workshop on Social Software Engineering at the Symposium on the Foundations of Software Engineering (ESEC/FSE) 2016
with Fabio Calefato and Andrew Begel

QualiDASE 2015: Bellairs 2015 Workshop on Qualitative Data Analysis in Software Engineering at McGill University's Bellairs Research Institute
with Martin Robillard

ProK 2014: Bellairs 2014 Workshop on Representing Programming Knowledge at McGill University's Bellairs Research Institute
with Martin Robillard

Web2SE 2011: International Workshop on Web 2.0 for Software Engineering at the International Conference on Software Engineering (ICSE) 2011
with Margaret-Anne Storey, Arie van Deursen, Andrew Begel, and Sue Black

Web2SE 2010: First Workshop on Web 2.0 for Software Engineering at the International Conference on Software Engineering (ICSE) 2010
with Margaret-Anne Storey, Arie van Deursen, and Kate Ehrlich

User Interfaces for Visual Analysis and Monitoring in Business Intelligence at IBM CASCON 2009
with Lars Grammel and Margaret-Anne Storey

Program Committees

FSE 2027: International Conference on the Foundations of Software Engineering

FSE 2026: International Conference on the Foundations of Software Engineering

ASE 2026: Tools and Datasets track of the International Conference on Automated Software Engineering

APSEC 2026: Asia-Pacific Software Engineering Conference

Internetware 2026: Asia-Pacific Symposium on Internetware

ICSE 2026: Tutorials and Technical Briefings track of the International Conference on Software Engineering

SEiGS 2026: Symposium on Software Engineering in the Global South

VISSOFT 2026: Working Conference on Software Visualization

COMPSAC 2026: Software Engineering Technologies and Applications track of the International Computer Software and Applications Conference

ASE 2025: International Conference on Automated Software Engineering

FSE 2025: International Conference on the Foundations of Software Engineering

MSR 2025: International Conference on Mining Software Repositories

MSR Mining Challenge 2025: Mining Challenge of the International Conference on Mining Software Repositories

TechDebt 2025: International Conference on Technical Debt

ICST 2025: International Conference on Software Testing, Verification and Validation

SANER 2025: Short Papers and Posters track of the International Conference on Software Analysis, Evolution and Reengineering

BotSE 2025: International Workshop on Bots in Software Engineering

Internetware 2025: Asia-Pacific Symposium on Internetware

ICPC Demo 2025: Tool Demonstration track of the International Conference on Program Comprehension

ICSE 2025: International Conference on Software Engineering

FASE 2025: International Conference on Fundamental Approaches to Software Engineering

NLBSE 2025: International Workshop on Natural Language-based Software Engineering

SANER Fairness 2025: Workshop on Fairness at the International Conference on Software Analysis, Evolution and Reengineering

AIware 2024: International Conference on AI-powered Software

ASE 2024: International Conference on Automated Software Engineering

APSEC 2024: Asia-Pacific Software Engineering Conference

ICSME NIER 2024: New Ideas and Emerging Results track of the International Conference on Software Maintenance and Evolution

TechDebt 2024: International Conference on Technical Debt

ICSA Artifacts 2024: Artifacts Evaluation track of the International Conference on Software Architecture

Internetware 2024: Asia-Pacific Symposium on Internetware

FSE 2024: International Conference on the Foundations of Software Engineering

ICSE 2024: International Conference on Software Engineering (Area Chair for Human and Social Aspects)

ICSE SEET 2024: Software Engineering Education and Training @ ICSE 2024

ICSA Demo 2024: Demonstrations track of the International Conference on Software Architecture

NLBSE 2024: International Workshop on Natural Language-based Software Engineering

ESEC/FSE 2023: Ideas, Visions and Reflections track of the Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering

ICSME NIER 2023: New Ideas and Emerging Results track of the International Conference on Software Maintenance and Evolution

ICSME ROSE 2023: ROSE Festival and Artifact Evaluation track of the International Conference on Software Maintenance and Evolution

NLBSE 2023: International Workshop on Natural Language-based Software Engineering

MSR RR 2023: Registered Reports track of the International Conference on Mining Software Repositories

Internetware 2023: Asia-Pacific Symposium on Internetware

ICSE 2023: International Conference on Software Engineering

SANER 2023: Tool Demo track of the International Conference on Software Analysis, Evolution and Reengineering

SEAA 2023: Software Engineering and Debt Metaphors track of the Euromicro Conference on Software Engineering and Advanced Applications

NLBSE 2022: International Workshop on Natural Language-based Software Engineering

MSR 2022: International Conference on Mining Software Repositories

MSR RR 2022: Registered Reports track of the International Conference on Mining Software Repositories

ICPC 2022: International Conference on Program Comprehension

ESEC/FSE 2022: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering

ICSE 2022: International Conference on Software Engineering

SANER 2022: Reproducibility Studies and Negative Results track of the International Conference on Software Analysis, Evolution and Reengineering

Internetware 2022: Intelligent Software Engineering track of the Asia-Pacific Symposium on Internetware

SEAA 2022: Software Engineering and Debt Metaphors track of the Euromicro Conference on Software Engineering and Advanced Applications

FAMECSE 2022: Federated Africa and Middle East Conference on Software Engineering

OpenSym and OSS 2022: International Symposium on Open Collaboration and the International Conference on Open Source Software

SCORE 2021: Student Contest on Software Engineering @ ICSE 2021

ICSSP/ICGSE 2021: International Conference on Software and System Processes and International Conference on Global Software Engineering

MSR RR 2021: Registered Reports Track @ MSR 2021

ICSME NIER 2021: New Ideas and Emerging Results @ ICSME 2021

SOSE 2021: International Conference on Service-Oriented System Engineering

IEEE SERVICES 2021: International Workshop on the Internet of Services at the IEEE World Congress on Services

AeSIR 2021: International Workshop on Automated Support to Improve Code Readability

LASSE 2021: LatAm School for Software Engineering @ CBSoft

ICSE 2020: International Conference on Software Engineering

ESEC/FSE 2020: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering

ASE 2020: International Conference on Automated Software Engineering

MSR 2020: International Conference on Mining Software Repositories

MSR RR 2020: Registered Reports Track @ MSR 2020

ICGSE 2020: International Conference on Global Software Engineering

SANER LBI 2020: Late Breaking Ideas track of the International Conference on Software Analysis, Evolution and Reengineering

OpenSym 2020: International Symposium on Open Collaboration

ESEC/FSE NIER 2020: New Ideas and Emerging Results track of the Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering

ICSE 2019: International Conference on Software Engineering

ESEC/FSE 2019: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering

ICSME 2019: International Conference on Software Maintenance and Evolution

MSR 2019: International Conference on Mining Software Repositories

ASE 2019 Demo: Demo track of the International Conference on Automated Software Engineering

SCAM RENE 2019: Replication and Negative Results track of the International Working Conference on Source Code Analysis and Manipulation

ESEM Industry 2019: Industry track of the International Symposium on Empirical Software Engineering and Measurement

SBES 2019: Brazilian Symposium on Software Engineering

IWESEP 2019: International Workshop on Empirical Software Engineering in Practice

ESEC/FSE 2018: Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering

SANER 2018: International Conference on Software Analysis, Evolution and Reengineering

MSR 2018: International Conference on Mining Software Repositories

SBES 2018: Brazilian Symposium on Software Engineering

SCORE 2018: Student Contest on Software Engineering @ ICSE 2018

ICSE 2018 SRC: Student Research Competition of the International Conference on Software Engineering

WAPI 2018: International Workshop on API Usage and Evolution @ ICSE 2018

SAGRA 2018: Workshop on Sustainable Architecture: Global Collaboration, Requirements, Analysis @ ECSA 2018

ESEM 2018: Industrial Papers track of the International Symposium on Empirical Software Engineering and Measurement

ASWEC 2018: Australasian Software Engineering Conference

ICSE 2017: International Conference on Software Engineering

ICSME 2017: International Conference on Software Maintenance and Evolution

SANER 2017: International Conference on Software Analysis, Evolution, and Reengineering

ICGSE 2017: International Conference on Global Software Engineering

SCAM 2017: International Working Conference on Source Code Analysis and Manipulation

SBES 2017: Brazilian Symposium on Software Engineering

ICSE 2017 SRC: Student Research Competition of the International Conference on Software Engineering

ICSME NIER 2017: New Ideas track of the International Conference on Software Maintenance and Evolution

ISEC 2017: India Software Engineering Conference

EAST 2017: International Workshop on Evidential Assessment of Software Technologies

SCAM 2016: International Working Conference on Source Code Analysis and Manipulation

MSR 2016: Working Conference on Mining Software Repositories

SBCARS 2016: Brazilian Symposium on Software Components, Architectures, and Reuse

ICGSE 2016: International Conference on Global Software Engineering

ICSME ERA 2016: Early Research Achievements track of the International Conference on Software Maintenance and Evolution

ESEC/FSE 2016 Artifacts Track: Artifacts track of the International Symposium on the Foundations of Software Engineering

ICSME 2016 Artifacts Track: Artifacts track of the International Conference on Software Maintenance and Evolution

SANER ERA 2016: Early Research Achievements track of the International Conference on Software Analysis, Evolution, and Reengineering

CSI-SE 2016: International Workshop on CrowdSourcing in Software Engineering @ ICSE 2016

CHASE 2016: International Workshop on Cooperative and Human Aspects of Software Engineering @ ICSE 2016

WASHES 2016: Workshop on Social, Human, and Economic Aspects of Software @ SBQS 2016

SSE 2015: International Workshop on Social Software Engineering @ ESEC/FSE 2015

OISE 2015: First Workshop of Open Innovation in Software Engineering

STIL 2015: Symposium in Information and Human Language Technology

ICSME ERA 2015: Early Research Achievements track of the International Conference on Software Maintenance and Evolution

SBCARS 2015: Brazilian Symposium on Software Components, Architectures and Reuse @ CBSoft 2015

CSI-SE 2015: International Workshop on CrowdSourcing in Software Engineering @ ICSE 2015

CHASE 2015: Cooperative and Human Aspects of Software Engineering @ ICSE 2015

MSR Mining Challenge 2015: Mining Challenge of the Working Conference on Mining Software Repositories

MSR 2015: Working Conference on Mining Software Repositories

SANER ERA 2015: Early Research Achievements track of the IEEE International Conference on Software Analysis, Evolution, and Reengineering

ICSME 2015: International Conference on Software Maintenance and Evolution

SSE 2014: International Workshop on Social Software Engineering @ ESEC/FSE 2014

ICSME ERA 2014: Early Research Achievements track of the International Conference on Software Maintenance and Evolution

CSI-SE 2014: Crowdsourcing in Software Engineering @ ICSE 2014

CHASE 2014: Cooperative and Human Aspects of Software Engineering @ ICSE 2014

MSR 2014: Working Conference on Mining Software Repositories

MSR Mining Challenge 2014: Mining Challenge of the Working Conference on Mining Software Repositories

CSMR-WCRE Demo 2014: Tool Demonstrations track of the CSMR-WCRE 2014 Software Evolution Week

CSMR-WCRE ERA 2014: Early Research Achievements track of the CSMR-WCRE 2014 Software Evolution Week

ICSE Posters 2014: Poster track @ ICSE 2014

SSE 2013: International Workshop on Social Software Engineering @ ESEC/FSE 2013

ICPC ERA 2013: Early Research Achievements track of the International Conference on Program Comprehension

ICSE SCORE 2013: Student Contest on Software Engineering @ ICSE 2013

ICPC Demo 2013: Tool demo track of the International Conference on Program Comprehension

CHASE 2013: Cooperative and Human Aspects of Software Engineering @ ICSE 2013

MSR Mining Challenge 2013: Mining Challenge of the Working Conference on Mining Software Repositories

CSMR ERA 2013: Early Research Achievements track of the European Conference on Software Maintenance and Reengineering

ICPC 2012: International Conference on Program Comprehension

ICPC Demo 2012: Tool demo track of the International Conference on Program Comprehension

FutureCSD 2012: The Future of Collaborative Software Development @ CSCW 2012

ESEC/FSE NIER 2012: New Ideas track of the International Symposium on the Foundations of Software Engineering

FlexiTools 2011: Flexible Modeling Tools @ ICSE 2011

PLATEAU 2010: Evaluation and Usability of Programming Languages and Tools @ SPLASH 2010

CHASE 2010: Cooperative and Human Aspects of Software Engineering @ ICSE 2010

Reviewing

Journal Reviews

TSE: IEEE Transactions on Software Engineering

TOSEM: ACM Transactions on Software Engineering and Methodology

EMSE: Empirical Software Engineering journal

IEEE Software

JSS: Journal of Systems and Software

TBIT: Behaviour & Information Technology

JSEP: Journal of Software: Evolution and Process

PeerJ

JBCS: Journal of the Brazilian Computer Society

TOIT: ACM Transactions on Internet Technology

PLOS One

JISA: Journal of Internet Services and Applications

T-IFS: IEEE Transactions on Information Forensics and Security

Grant Reviews

ARC: Australian Research Council

NSERC: Natural Sciences and Engineering Research Council of Canada

NWO: Netherlands Organisation for Scientific Research

RGC: Research Grants Council of Hong Kong

DFG: German Research Foundation

FWF: Austrian Science Fund