

Daniel Strüber, Dr.rer.nat.

Department of Computer Science and Engineering – University of Gothenburg

🌐 www.danielstrueber.de • born on April 23, 1986 in Marburg, Germany

Curriculum vitae. April 1, 2024.

Employment

Associate professor (docent)	University of Gothenburg, Sweden <i>from 04/2024</i>
Senior lecturer	University of Gothenburg, Sweden <i>10/2021–03/2024</i>
Assistant professor (0.2fte)	Radboud University, Netherlands <i>from 10/2021</i>
Assistant professor (1.0fte)	Radboud University, Netherlands <i>03/2020–10/2021</i>
Postdoctoral researcher	University of Gothenburg, Sweden <i>10/2018–02/2020</i>
Postdoctoral researcher	University of Koblenz-Landau, Germany <i>09/2016–10/2018</i>
Doctoral scientific assistant	Philipps University Marburg, Germany <i>10/2011-08/2016</i>

Degrees

Docent <i>Post-doctoral qualification for research and teaching</i>	University of Gothenburg, Sweden <i>03/2024</i>
Doctoral studies in computer science <i>Grade: summa cum laude – with highest honors</i>	Philipps University Marburg, Germany <i>10/2011-02/2016</i>
Diploma studies in computer science <i>Grade: with distinction</i>	Philipps University Marburg, Germany <i>10/2005-09/2011</i>
Higher education entrance qualification <i>Grade: 1,5</i>	Europaschule Gladenbach, Germany <i>08/1997-06/2005</i>

Research Visits

Visiting researcher <i>Host: Dr. Steffen Zschaler, Senior Lecturer</i>	King's College London, UK <i>08/2019–11/2019</i>
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Doctoral Dissertation

Title: *Model-Driven Engineering in the Large: Refactoring Techniques for Models and Model Transformation Systems*

Defended: December 17, 2015.

Degree awarded: February 26, 2016.

Awards and Honors

Best Paper Awards and Nominations (Conferences and Journals).....

Best Paper Award. Jens Kosiol, Daniel Strüber, Gabriele Taentzer, Steffen Zschaler: Graph Consistency as a Graduated Property. In *International Conference on Graph Transformation 2020*. Awarded as *Best Software Science Paper*.

Best Paper Award: Third Place. Fabien Patrick Viertel, Wasja Brunotte, Daniel Strüber, Kurt Schneider: Detecting Security Vulnerabilities using Clone Detection and Community Knowledge. In *International Conference on Software Engineering and Knowledge Engineering 2019* (230 submitted papers).

Best Paper Nomination. Daniel Strüber, Sven Peldszus, Jan Jürjens: Taming Multi-Variability of Software Product Line Transformations. In *International Conference on Fundamental Approaches to Software Engineering 2018*.

Best Paper Award. Kristopher Born, Leen Lambers, Daniel Strüber, Gabriele Taentzer: Granularity of Conflicts and Dependencies in Graph Transformation Systems. In *International Conference on Graph Transformation 2017*.

Best Paper Award. Daniel Strüber, Jennifer Plöger, Vlad Acretoaie: Clone Detection for Graph-Based Model Transformation Languages. In *International Conference on Model Transformation 2016*.

Best Paper Award. Daniel Strüber, Stefan Schulz: A Tool Environment for Managing Families of Model Transformation Rules. In *International Conference on Graph Transformation 2016*. Awarded as *Best Software Science Paper*.

Best Paper Award. Vlad Acretoaie, Harald Störrle, Daniel Strüber: VMTL: a language for end-user model transformation. *Selected as one of the four best papers published in the Journal of Software and System Modeling in 2016*.

Best Paper Nomination. Daniel Strüber, Julia Rubin, Thorsten Arendt, Marsha Chechik, Gabriele Taentzer, Jennifer Plöger: RuleMerger: Automatic Construction of Variability-Based Model Transformation Rules. In *International Conference on Fundamental Approaches to Software Engineering 2016*.

Best Reviewer Awards.....

SPLC Best Reviewer Award at *International Conference on Software Product Lines 2020*.

Contest Awards.....

Transformation Tool Contest Award. Daniel Strüber: Supporting Round-Trip Data Migration for Web APIs: A Henshin Solution. *TTC 2020*. Award in Category *Most Comprehensible Solution*.

Transformation Tool Contest Award. Daniel Strüber: Transformation of Finite State Automata to Regular Expressions Using Henshin. *TTC 2017*. Award in Category *Most Complete Solution*.

Transformation Tool Contest Award. Sven Peldszus, Jens Bürger, Daniel Strüber: Detecting and Preventing Power Outages in a Smart Grid using eMoflon. *TTC 2017*. Award in Category *Most Comprehensible Solution*.

Transformation Tool Contest Award. Kristopher Born, Stefan Schulz, Daniel Strüber, Stefan John. Solving the Class Responsibility Assignment Case with Henshin and a Genetic Algorithm. *TTC 2016*. Award in Category *Best Quality Solution*.

Third-Party Funding

Grants as project investigator.....

VR Open Call Grant: *SEMLA: Software Engineering for Machine Learning – integrated approach* (2022-2024)

Granted amount: 3.600.000 SEK. I took on this project after the passing of the former project investigator: Prof. Dr. Ivica Crnkovic.

DFG Research Fellowship (Forschungsstipendium): *EUpHORia: End-User oriented Optimization-Technology Recommender System* (2019-20)

Grant for a fully funded post-doctoral researcher; 24 months. Granted amount: 70.000 EUR.

Erasmus+ Staff Training: Funding for staff training in the context of a conference visit. Amount of funding: 1.000 EUR.

Further significant involvement in funded projects.....

NWO TTW MasCot Grant: *TicToc - Testing in Times of Continuous Change* (2020-2023)

Funding for three Ph.D. students (two at Radboud University). Total amount: 696.000 EUR.

I am Co-PI of the funded project. Project investigator: Prof. Dr. Jan Tretmans.

DFG Research Grant (Sachbeihilfe): *Verteilte modellgetriebene Softwareentwicklung* (2014-17)

Funding for a Ph.D. student. Total amount: 280.700 EUR.

I wrote technical sections of the proposal. Project investigator: Prof. Dr. Gabriele Taentzer.

Supervision Experience

Doctoral students

Vladislav Indykov (since 2023)

Weixing Zhang (since 2023)

Lars van Arragon (since 2021, co-supervised with Jan Tretmans)

Ricardo Caldas (since 2021, co-supervised with Thorsten Berger and Patrizio Pelliccione)

Opeoluwa Samuel Idowu (**graduated**, 2020-23, co-supervised with Thorsten Berger)

Dennis Priefer (**graduated**, 2016-2021, co-supervised with Gabriele Taentzer)

Shayan Ahmadian (**graduated**, 2016-2020, co-supervised with Jan Jürjens)

Qusai Ramadan (**graduated**, 2016-2020, co-supervised with Jan Jürjens)

Post-doctoral researchers

Diego Damasceno (2020-2023, main supervisor)

Tool Development

Henshin

Project Lead

A model transformation language with documented users in academia and industry in 15 countries.

I contribute to Henshin since 2011, joined as official committer in 2014, and became project lead in 2016.

For the most recent release (January 2020), I coordinated contributions from 13 committers.

Splitter, VisiText, CompoEMF, FitnessStudio

Project Lead

Development and maintenance of research prototypes.

Eclipse Modeling Technology Project

Chalmers, Uni Koblenz, Uni Marburg

Community Service

Organizing committee

International Systems and Software Product Line Conference (SPLC) 2024: Co-PC Chair
International Conference on Graph Transformation (ICGT) 2022: Co-PC Chair
International Workshop on Modeling in Software Engineering @ICSE2019: Co-Organizer
International Conference on Model-Driven Engineering Lang. and Syst. 2018: Publication Chair
Software Technologies: Applications and Foundations 2017: Web Chair

Program committee

International Conference on Software Engineering (ICSE) 2025
International Conference on Automated Software Engineering (ASE) 2022-23
International Conference on Model-Driven Engineering Systems & Languages (MODELS) 2020–22
International Conference on Fundamental Approaches to Software Engineering (FASE) 2021–23
International Conference on Software Product Lines (SPLC) 2019–23
International Conference on Generative Programming: Concepts & Experiences (GPCE) 2021–22
International Conference on Software Language Engineering (SLE) 2021
Euromicro Conference on Software Engineering Advanced Applications (SEAA) 2018–24
International Conference on Quality of Information & Communications Technology (QUATIC) 2020
International Conference on Model Transformation (ICMT) 2019
International Conference on Graph Transformation (ICGT) 2019
German Bi-Annual Conference on Modeling (Tutorials track) 2018
German Annual Conference on IT-Security 2018
International Workshop on Variability Management for Modern Technologies 2021
International Workshop on AI and Model-Driven Engineering 2019–24
International Workshop on Model Management and Analytics 2018, 2020
International Workshop on Comprehension of Complex Systems 2017
International Workshop on Graphs as Models 2017
International Workshop on Bidirectional Transformations 2017, 2019
International Workshop on Flexible Model Driven Engineering 2016–19
International Workshop on Scalable Model Driven Engineering 2016–17

Journal reviewer

IEEE Transactions on Software Engineering
IEEE Transactions on Automation Science and Engineering
ACM Transactions on Software Engineering and Methodology
Empirical Software Engineering
IEEE Software
Journal of Software and Systems Modeling
Journal of Systems and Software
Science of Computer Programming
Formal Aspects of Computing
Journal of Object Technology
PeerJ Computer Science
Robotics

Workshop selection committee

International Conference on Model-Driven Engineering Systems & Languages (MODELS) 2022
German Conference on Software Engineering (Workshops) 2020

Artifact evaluation committee

International Conference on Model-Driven Engineering Systems & Languages (MODELS) 2017
International Conference on Software Language Engineering (SLE) 2016–17

Administrative Service

Member of the doctoral examination board

Universität Koblenz-Landau, 2018

Member of hiring committees

Radboud University, hiring committee for 2 Ph.D. students: 2020
University Marburg, hiring committee for Ph.D. student: 2015, 2016
University Marburg, hiring committee for full professorship (W2): 2015

Invited Talks

MDENet: training session in research transfer network: Sep 16, 2022.

Seminar Series: GReTA–Graph TRansformation Theory and Applications: Dec 3, 2021.

University of Gothenburg: May 17, 2021.

University of Copenhagen: Nov 22, 2019.

TU Dortmund: Oct 9, 2019.

Radboud University: Sep 13, 2019.

Dagstuhl Seminar 19191: Software Evolution in Time and Space: May 8, 2019.

Search-Based Model Engineering Workshop London: Aug 7, 2018.

Henshin Meeting Darmstadt: May 5, 2017.

FOSD-Meeting Grasellenbach: Mar 15, 2017.

Universität Koblenz-Landau: Apr 14, 2016.

Humboldt-Universität zu Berlin: Feb 29, 2016.

Technische Hochschule Mittelhessen Giessen: Dec 14, 2015.

In addition, I gave 29 paper presentations at conferences and workshops (mostly my first-author papers), and various presentations in the internal seminars of my home institutions.

Professional Qualifications

Radboud University Faculty of Science: University Teaching Qualification (UTQ)

Participation in Professional Initiatives

VERSEN: Dutch National Association for Software Engineering

VERSEN Working Group: Master's Thesis Projects

TNO: ESI Project on Model-Based Systems Engineering

Languages

German: native language

English: business proficiency (C2)

Swedish: intermediate (B1)

Dutch: beginner (A1)

Publications

Overview

Papers	Total	First author	Most senior	Sole author	Award/nominee
ISI journals and A* conferences	23	3	1	0	1
A and top-end B conferences	43	12	7	2	7
Workshops, national conferences	32	15	8	2	4
Peer-reviewed book chapters	3	0	1	0	0
Edited volumes	3	0	0	0	0
Invited, non-peer reviewed papers	1	0	0	0	0
Total	105	30	17	4	12

The table includes papers from the following conferences and journals:

A*: ICSE (main track and SEIP), ESEC/FSE (main track). 4 of 5 included are full papers.

A and top-end B: MODELS, FASE, SAC, GPCE (listed as A in Qualis and/or CORE), SPLC, SEKE, ICGT, ICMT, iFM, SEAA (top-end B), ECMFA (incorporated ICMT in 2020). 32 of 43 included are full main-track papers.

ISI Journals: TSE, EMSE, SoSyM, JSS, SCP, FAOC, JLAMP, COMLAN, JOT.

Citation metrics

Citations: 1524; h-index: 26; i10-index: 48 (Google Scholar, April 2024)

Publications in ISI Journals

EMSE'24	Samuel Idowu, Osman Osman, Daniel Strüber, Thorsten Berger: Machine Learning Experiment Management Tools: A Mixed-Methods Empirical Study. In: EMSE: Empirical Software Engineering. (accepted)
TSE'23	José Miguel Horcas, Daniel Strüber , Alexandru Burdusel, Jabier Martinez, Steffen Zschaler: We're Not Gonna Break It! Consistency-Preserving Operators for Efficient Product Line Configuration. In: TSE: IEEE Transactions on Software Engineering, vol. 49(3). pp. 1102–1117.
CSUR'23	Samuel Idowu, Daniel Strüber , Thorsten Berger: Asset Management in Machine Learning: State-of-research and State-of-practice. In: CSUR: ACM Computing Surveys, vol. 55(7). pp. 144:1–35.
EMSE'23	Sergio Garcia, Daniel Strüber , Davide Brugali, Alessandro Di Fava, Patrizio Pelliccione, Thorsten Berger: Effects of Variability in Models: A Family of Experiments. In: EMSE: Empirical Software Engineering, vol. 28. pp. 24:1–67.
SoSyM'23	Katja Tuma, Sven Peldszus, Daniel Strüber , Riccardo Scandariato, Jan Jürjens: Checking Security Compliance between Models and Code. In: SoSyM: Software and Systems Modeling, vol 22(1). pp. 273–296.
JSS'23	Christoph Derks, Daniel Strüber , Thorsten Berger: A benchmark generator framework for evolving variant-rich software. In: Journal of Systems and Software: 111736
EMSE'22	Wardah Mahmood, Daniel Strüber , Anthony Anjorin, Thorsten Berger: Effects of Variability in Models: A Family of Experiments. In: EMSE: Empirical Software Engineering, vol. 27(3). pp. 1–38.

- EMSE'22 Steffen Herbold, Alexander Trautsch, Benjamin Ledel, ..., **Daniel Strüber**, Johannes Erbel (48 authors): A Fine-grained Data Set and Analysis of Tangling in Bug Fixing Commits. In: EMSE: Empirical Software Engineering, vol. 27(6). pp. 125:1–49.
- SCP'21 Jens Kosiol, **Daniel Strüber**, Gabriele Taentzer: Steffen Zschaler: Sustaining and Improving Graduated Graph Consistency: A Static Analysis of Graph Transformations. In: SCP: Science of Computer Programming, vol. 214. pp. 102729:1–26.
- SoSyM'21 Dennis Priefer, Wolf Rost, **Daniel Strüber**, Gabriele Taentzer, Peter Kneisel: Applying MDD in the Content Management System Domain: Scenarios, Tooling, and a Mixed-Method Empirical Assessment. In: SoSyM: Software and Systems Modeling, vol 20(6). pp. 1919–1943.
- SoSyM'20 Qusai Ramadan, **Daniel Strüber**, Mattia Salnitri, Jan Jürjens. Volker Riediger, Steffen Staab: A Semi-Automated BPMN-based Framework for Detecting Conflicts between Security, Data-Minimization and Fairness Requirements. In: SoSyM: Software and Systems Modeling, vol. 19(5). pp. 1191–1227.
- SoSyM'19 **Daniel Strüber**, Jennifer Plöger, Vlad Acrețoaie: Model Clone Detection for Rule-Based Model Transformation Languages. Software & Systems Modeling, vol. 18(2). pp. 995–1016.
- JOT'19 Stefan John, Alexandru Burdusel, Robert Bill, **Daniel Strüber**, Gabriele Taentzer, Steffen Zschaler, Manuel Wimmer: Searching for Optimal Models: Comparing Two Encoding Approaches. In: JOT: Journal of Object Technology, special issue on ICMT 2019: International Conference on Model Transformation, vol 18(3). pp. 6:1–6:22.
- JLAMP'19 Leen Lambers, Kristopher Born, Jens Kosiol, **Daniel Strüber**, Gabriele Taentzer: Granularity of conflicts and dependencies in graph transformation systems: A two-dimensional approach. Journal of Logic and Algebraic Programming, vol. 103. pp. 105–129.
- JSS'18 Jens Bürger, **Daniel Strüber**, Stefan Gärtner, Thomas Ruhroth, Jan Jürjens, Kurt Schneider: A Framework for Semi-Automated Co-Evolution of Security Knowledge and System Models. Journal of Systems and Software, vol. 139. pp. 142–160.
- FAOC'18 **Daniel Strüber**, Julia Rubin, Thorsten Arendt, Marsha Chechik, Gabriele Taentzer, Jennifer Plöger: Variability-based model transformation: formal foundation and application. Formal Aspects in Computing, vol. 30(1). pp. 133–162.
- SoSyM'18 Vlad Acrețoaie, Harald Störrle, **Daniel Strüber**: VMTL: a language for end-user model transformation. In: Software & Systems Modeling, vol. 17(4). pp. 1139–1167. (**Best Paper Award**, invited for presentation at MODELS.)
- COMLAN'17 **Daniel Strüber**, Felix Rieger, Gabriele Taentzer: A Text-Based Visual Notation for the Unit Testing of Model-Driven Tools. In: Computer Languages, Systems & Structures, vol. 49. pp. 196–215.

Peer-reviewed conference papers (full papers).....

- ICGT'23 Jens Kosiol, **Daniel Strüber**, Gabriele Taentzer, Steffen Zschaler: Finding the Right Way to Rome: Effect-oriented Graph Transformations. In: ICGT'23: International Conference on Graph Transformation. Springer. pp. 43–63.

- MODELS'23 Wenli Zhang, Weixing Zhang, **Daniel Strüber**, Regina Hebig: Manual Abstraction in the Wild: A Multiple-Case Study on OSS Systems' Class Diagrams and Implementations. In: MODELS'23: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. IEEE. pp. 36–46.
- SLE'23 Weixing Zhang, Regina Hebig, **Daniel Strüber**, Jan-Philipp Steghöfer: Automated Extraction of Grammar Optimization Rule Configurations for Metamodel-Grammar Co-evolution. In SLE'23: ACM SIGPLAN International Conference on Software Language Engineering. ACM. pp. 84–96.
- SEAA'22 Niels Harten, Carlos Diego Damasceno, **Daniel Strüber**: Model-Driven Optimization: Generating Smart Mutation Operators for Multi-Objective Problems. In: SEAA 2022: Euromicro Conference on Software Engineering and Advanced Applications. IEEE. pp. 390–397.
- SEAA'22 Samuel Idowu, **Daniel Strüber**, Thorsten Berger: EMMM: A Unified Meta-Model for Tracking Machine Learning Experiments. In: SEAA 2022: Euromicro Conference on Software Engineering and Advanced Applications. IEEE. pp. 48–55.
- MODELS'21 Carlos Diego Damasceno, **Daniel Strüber**: Quality Guidelines for Research Artifacts in Model-Driven Engineering. In: MODELS 2021: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. IEEE. pp. 285–296.
- ICSE'21 Wardah Mahmood, **Daniel Strüber**, Thorsten Berger, Ralf Lämmel, Mukelabai Mukelabai: Seamless Variability Management With the Virtual Platform. In: ICSE 2021: ACM/IEEE International Conference on Software Engineering. IEEE. pp. 1658–1670.
- ICSE SEIP'21 Samuel Idowu, **Daniel Strüber**, Thorsten Berger: Asset Management in Machine Learning: A Survey. In: ICSE 2021: ACM/IEEE International Conference on Software Engineering, track on Software Engineering in Practice. IEEE. pp. 51–60.
- SAC'21 Johan Aronsson, Philip Lu, **Daniel Strüber**, Thorsten Berger: A Maturity Assessment Framework for Conversational AI Development Platforms. In: SAC 2021: ACM/SIGAPP Symposium On Applied Computing. ACM. pp. 1736–1745. .
- MODELS'20 **Daniel Strüber**, Anthony Anjorin, Thorsten Berger: Variability Representations in Class Models: An Empirical Assessment. In: MODELS 2020: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. ACM. pp. 240–251. (Invited for submission of an extended version, based on a selection of the best papers at MODELS'20.)
- SPLC'20 Stefan Strüder, Mukelabai Mukelabai, **Daniel Strüber**, Thorsten Berger: Feature-Oriented Defect Prediction. In: SPLC 2020: International Systems and Software Product Line Conference. ACM. pp. 21:1–21:12.
- ESEC/FSE'20 Sergio García, **Daniel Strüber**, Davide Brugali, Thorsten Berger, Patrizio Pelliccione: Robotics Software Engineering: A Perspective from the Service Robotics Domain. In: ESEC/FSE 2020: ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering. ACM. pp. 593–604.
- ICGT'20 Jens Kosiol, **Daniel Strüber**, Gabriele Taentzer, Steffen Zschaler: Graph Consistency as a Graduated Property: Consistency-Sustaining and -Improving Graph Transformations In: ICGT 2020: International Conference on Graph Transformation. Springer. pp. 239-256. **Best Paper Award**

- SPLC'19 **Daniel Strüber**, Mukelabai Mukelabai, Jacob Krüger, Stefan Fischer, Lukas Linsbauer, Jabier Martinez, Thorsten Berger: Facing the Truth: Benchmarking the Techniques for the Evolution of Variant-Rich Systems. In: SPLC 2019: International Systems and Software Product Line Conference. pp. 26:1–12.
- SAC'19 Amir Shayan Ahmadian, **Daniel Strüber**, Jan Jürjens: Privacy-Enhanced System Design Modeling Based on Privacy Features. In: SAC 2019: ACM/SIGAPP Symposium On Applied Computing. pp. 1492–1499.
- MODELS'19 Sven Peldszus, Katja Tuma, **Daniel Strüber**, Riccardo Scandariato, Jan Jürjens: Secure Data-Flow Compliance Checks between Models and Code based on Automated Mappings. In: MODELS 2019: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. pp. 23–33.
- MODELS'19 Dennis Priefer, Peter Kneisel, Wolf Rost, **Daniel Strüber**, Gabriele Taentzer: Applying MDD in the Content Management System Domain: Scenarios and Empirical Assessment. In: MODELS 2019: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. pp. 56–66. (Invited for submission of an extended version, based on a selection of the best papers at MODELS'19.)
- ICGT'19 Leen Lambers, Jens Kosiol, **Daniel Strüber**, Gabriele Taentzer: Exploring Conflict Reasons for Graph Transformation Systems. In: ICGT 2019: International Conference on Graph Transformation. pp. 75–92.
- SEKE'19 Fabien Patrick Viertel, Wasja Brunotte, **Daniel Strüber**, Kurt Schneider: Detecting Security Vulnerabilities using Clone Detection and Community Knowledge. In: SEKE 2019: International Conference on Software Engineering and Knowledge Engineering. pp. 245–324. **Best Paper Award (3rd place)**
- ICSE'18 Leen Lambers, **Daniel Strüber**, Gabriele Taentzer, Kristopher Born, Jevgenij Hübert: Multi-Granular Conflict and Dependency Analysis in Software Engineering based on Graph Transformation. In: ICSE 2018: ACM/IEEE International Conference on Software Engineering. pp. 716–727.
- FASE'18 **Daniel Strüber**, Sven Peldszus, Jan Jürjens: Taming Multi-Variability of Software Product Line Transformations. In: FASE 2018: International Conference on Fundamental Approaches in Software Engineering. pp. 337–355. **Best Paper Nominee.**
- GPCE'18 Sven Peldszus, **Daniel Strüber**, Jan Jürjens: Model-based Security Analysis of Feature-oriented Software Product Lines. In: GPCE 2018: International Conference on Generative Programming: Concepts & Experience. pp. 93–106.
- SAC'18 Amir Shayan Ahmadian, Jan Jürjens, **Daniel Strüber**: Extending Model-based Privacy Analysis for the Industrial Data Space by Exploiting Privacy Level Agreements. In: SAC 2018: ACM/SIGAPP Symposium On Applied Computing. pp. 1142–1149.
- SAC'18 Amir Shayan Ahmadian, **Daniel Strüber**, Volker Riediger, Jan Jürjens: Supporting Privacy Impact Assessment by Model-based Privacy Analysis. In: SAC 2018: ACM/SIGAPP Symposium On Applied Computing. pp. 1467–1474.
- ECMFA'18 Qusai Ramadan, **Daniel Strüber**, Mattia Salnitri, Volker Riediger, Jan Jürjens: Detecting Conflicts between Data-Minimization and Security Requirements in Business Process Models. In: ECMFA 2018: European Conference on Modelling Foundations and Applications. pp. 179–198.
- MODELS'17 Qusai Ramadan, Mattia Salnitri, **Daniel Strüber**, Jan Jürjens, Paolo Giorgini: From Secure Business Process Modeling to Design-Level Security Verification. In: MODELS 2017: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. pp. 123–133.

- MODELS'17 Gabriele Taentzer, Rick Salay, **Daniel Strüber**, Marsha Chechik: Transformations of Product Lines: A Generalizing Framework based on Category Theory. In: MODELS 2017: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. pp. 101–111.
- ICMT'17 **Daniel Strüber**: Generating Efficient Mutation Operators for Search-Based Model-Driven Engineering. In: International Conference on the Theory and Practice of Model Transformations. pp. 121–137.
- ICGT'17 Kristopher Born, Leen Lambers, **Daniel Strüber**, Gabriele Taentzer: Granularity of Conflicts and Dependencies in Graph Transformation Systems. In: ICGT 2017: International Conference on Graph Transformation. pp. 125–141. **Best Paper Award.**
- ECMFA'17 Amir Shayan Ahmadian, **Daniel Strüber**, Volker Riediger, Jan Jürjens: Model-based Privacy Analysis in Industrial Ecosystems. In: ECMFA 2017: European Conference on Modelling Foundations and Applications. pp. 215–231.
- ECMFA'17 Dennis Priefer, Peter Kneisel, **Daniel Strüber**: Iterative Model-Driven Development of Software Extensions for Web Content Management Systems. In: ECMFA 2017: European Conference on Modelling Foundations and Applications. pp. 142–157.
- FASE'16 **Daniel Strüber**, Julia Rubin, Thorsten Arendt, Marsha Chechik, Gabriele Taentzer, Jennifer Plöger: RuleMerger: Automatic Construction of Variability-Based Model Transformation Rules. In: FASE 2016: International Conference on Fundamental Approaches to Software Engineering. pp. 122–140. **Best Paper Nominee.**
- ICMT'16 **Daniel Strüber**, Jennifer Plöger, Vlad Acrețoaie: Clone Detection for Graph-Based Model Transformation Languages. In: ICMT 2016: International Conference on the Theory and Practice of Model Transformations. pp. 191–206. **Best Paper Award.**
- FASE'15 **Daniel Strüber**, Julia Rubin, Marsha Chechik, Gabriele Taentzer: A Variability-Based Approach to Reusable and Efficient Model Transformations. In: FASE 2015: International Conference on Fundamental Approaches to Software Engineering. pp. 283–298.
- FASE'14 **Daniel Strüber**, Julia Rubin, Gabriele Taentzer, Marsha Chechik: Splitting Models Using Information Retrieval and Model Crawling Techniques. In: FASE 2014: International Conference on Fundamental Approaches to Software Engineering pp. 47–62.
- FASE'13 **Daniel Strüber**, Gabriele Taentzer, Stefan Jurack, Tim Schäfer: Towards a Distributed Modeling Process Based on Composite Models. In: FASE 2013: International Conference on Fundamental Approaches to Software Engineering. pp. 6–20.

Peer-reviewed conference papers: tool papers, vision papers, other short papers. . . .

- MODELS'23 **Daniel Strüber**: The complexity paradox: An analysis of modeling education through the lens of complexity science. In: MODELS'23: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. Educators' Symposium. IEEE. pp. 94–97.
- SPLC'23 Sergio Garcia, **Daniel Strüber**, Davide Brugali, Alessandro Di Fava, Patrizio Pelliccione, Thorsten Berger: Software Variability in Service Robotics (Summary). In: SPLC'23: International Systems and Software Product Line Conference. Journal first track. p. 268.

- SPLC'22 David Korsman, Carlos Diego Damasceno, **Daniel Strüber**: A Tool for Analysing Higher-Order Feature Interactions in Preprocessor Annotations in C and C++ Projects. In: SPLC 2022: International Systems and Software Product Line Conference. Tools and Demonstrations Track. ACM. pp. 70–73.
- SPLC'22 Jabier Martinez, **Daniel Strüber**, Jose-Miguel Horcas, Alexandru Burdusel, Steffen Zschaler: Acapulco: An extensible tool for identifying optimal and consistent feature model configurations. In: SPLC 2022: International Systems and Software Product Line Conference. Tools and Demonstrations Track. ACM. pp. 50–53.
- SPLC'22 Jose-Miguel Horcas, **Daniel Strüber**, Alexandru Burdusel, Jabier Martinez, Steffen Zschaler: Extended Abstract: We're Not Gonna Break It! Consistency-Preserving Operators for Efficient Product Line Configuration. In: SPLC 2022: International Systems and Software Product Line Conference. Journal First Track. ACM. pp. 255.
- ICSE-SEIP'22 Samuel Idowu, Osman Osman, **Daniel Strüber**, Thorsten Berger: On the Effectiveness of Machine Learning Experiment Management Tools. In: ICSE 2022: ACM/IEEE International Conference on Software Engineering, track on Software Engineering in Practice. IEEE. pp. 207—208
- MODELS'18 Alexandru Burdusel, Steffen Zschaler, **Daniel Strüber**: MDEOptimiser: A Search Based Model Engineering Tool. In: MODELS 2018: ACM/IEEE International Conference on Model Driven Engineering Languages and Systems. Companion. pp. 12–16.
- ICMT'17 Timo Kehrer, Christopher Pietsch, **Daniel Strüber**: Differencing of Model Transformation Rules: Towards Versioning Support in the Development and Maintenance of Model Transformations. In: ICMT 2017: International Conference on the Theory and Practice of Model Transformations. pp. 86–91.
- ICGT'17 **Daniel Strüber**, Kristopher Born, Kanwal Daud Gill, Raffaella Groner, Timo Kehrer, Manuel Ohrndorf and Matthias Tichy: Henshin: A Usability-Focused Framework for EMF Model Transformation Development. In: ICGT 2017: International Conference on Graph Transformation. pp. 196–208
- MODELS'16 Vlad Acretoaie, Harald Störrle, **Daniel Strüber**: Model transformation for end-user modelers with VMTL. In: MODELS 2016: International Conference on Model Driven Engineering Languages and Systems. ACM pp. 305.
- ICGT'16 **Daniel Strüber**, Stefan Schulz: A Tool Environment for Managing Families of Model Transformation Rules. In: ICGT 2016: International Conference on Graph Transformation, in Memory of Hartmut Ehrig. pp. 89–101. **Best Paper Award**
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