Daniel Strüber, Dr.rer.nat.

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Postbus 9010, 6500 GL Nijmegen, Netherlands

http://www.danielstrueber.de/
born on April 23, 1986 in Marburg, Germany

Curriculum vitae. February 4, 2021.

Employment

Assistant professor (tenure track) — **Radboud University, Netherlands**
Institute for Computer and Information Science — *since 03/2020*

Postdoctoral researcher — **Chalmers | University of Gothenburg, Sweden**
Advisor: Dr. Thorsten Berger, Assoc. Professor — *10/2018–02/2020*

Postdoctoral researcher — **University of Koblenz-Landau, Germany**
Advisor: Dr. Jan Jürjens, Full Professor — *09/2016–10/2018*

Doctoral scientific assistant — **Philipps University Marburg, Germany**
Advisor: Dr. Gabriele Taentzer, Full Professor — *10/2011-08/2016*

Education

Doctoral studies in computer science — **Philipps University Marburg, Germany**
Grade: summa cum laude – with highest honors — *10/2011-02/2016*

Diploma studies in computer science — **Philipps University Marburg, Germany**
Grade: with distinction — *10/2005-09/2011*

Higher education entrance qualification — **Europaschule Gladenbach, Germany**
Grade: 1,5 — *08/1997-06/2005*

Research Visits

Visiting researcher — **King's College London, UK**
Host: Dr. Steffen Zschaler, Senior Lecturer — *09/2019–11/2019*

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.

Key achievements - Summary

At Radboud University Nijmegen (since March 2020)

- Founded a software engineering group within the software science department, including one post-doc, two PhD students (currently hiring), and two thesis students.
- Became member of a national interest group on Model-Based Systems Engineering, focusing on knowledge transfer between academia and companies from the Dutch high-tech industry.
- Won three awards: for the best conference paper, as best reviewer, and a tool contest award.

Third-Party Funding

- Won a selective DFG fellowship for a two-year postdoc.
- Co-PI for a large NWO project funding 3 four-year PhD students.
- Co-wrote a DFG grant that lead to the funding of a four-year PhD student.

Awards and Honors

- Won 6 Best Paper Awards (conferences and journals), 2 Nominations, and 1 Best Reviewer Award.
- First person to win two Best Paper Awards at the same edition of the prestigious STAF conference federation. I was the first author and the most senior author of both awarded papers.

Teaching

- Instructed 20 MSc and BSc courses either as main instructor or significant co-instructor.
- Received overwhelmingly positive teaching evaluations, consistently graded as *excellent* or *good* (1.4-1.9 in German grading system, 8.3/10 in the conservative Dutch grading system)
- Supervision experience with 8 PhD students (2 completed), 18 MSc and BSc students.

Technical Leadership

- Eclipse committer and project lead of Henshin, a tool used in academia and industry (users documented in 15 countries). For the 2020 release I coordinated contributions of 13 committers.
- Won 3 Transformation Tool Contest Awards with Henshin-based solutions.

Community Achievements

- Co-organized two leading conferences and one significant workshop (the only two-day workshop collocated with ICSE'19, my field's flagship conference). At the workshop, I was program chair.
- PC member for 31 conferences and workshops. Reviewer for 11 journals.
- Lead a community initiative on benchmarking in the software product line community.

Research and Publications

- h-index: 16, i10-index: 27 (Google Scholar February 2021)
- Papers in A* and A conferences (full papers only): ICSE (2), ICSE-SEIP (1), ESEC/FSE (1), MODELS (5), FASE (5), SAC (4), SPLC (2), GPCE (1).
- Papers in ISI journals: SoSyM (4), JSS, JLAMP, FAOC, JOT, COMLAN.
- Papers as most senior author: SoSyM (1), ICMT (2, including 1 solo-authored), ICGT (1), TTC (4, including 2 solo-authored).
- Total number of papers: 76. Total number of first-authored papers: 26.
- First author of the first empirical comparison of model-level variability mechanisms.
- Sole author of the first technique that applies meta-learning for generating search operators in model-driven engineering, outperforming all nine previous solutions to a community benchmark.
- 11 of my co-authored papers include a user study, addressing the human factor—a largely under-explored concern in model-driven engineering research.

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 received as main applicant

DFG Research Fellowship (Forschungsstipendium): *EUphORia: End-User oriented Optimization-Technology Recommender System* (2019-20)
Grant for a fully funded post-doctoral researcher; 24 months. Amount of fellowship: 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 PhD 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 PhD student. Total amount: 280.700 EUR.
I wrote technical sections of the proposal. Project investigator: Prof. Dr. Gabriele Taentzer.

Supervision Experience

In the following overview, "co-supervision" refers to an official role, usually credited on the thesis title page; "assisting supervision" indicates an informal role, involving supervision tasks during one or more significant journal or conference papers contributing to the thesis.

Post-doctoral researchers
Diego Namasceno (since 2020, main supervisor)

Doctoral students
T.B.A. (from 2021, two students, co-supervised with Jan Tretmans, currently in hiring process)
Opeoluwa Samuel Idowu (since 2020, co-supervised with Thorsten Berger)
Wardah Mahmood (since 2018, assisting supervision, main sv.: Thorsten Berger, exp. grad.: 2023)
Mukelabai Mukelabai (since 2018, assisting supervision, main sv.: Thorsten Berger, exp. g.: 2021)
Sergio Garcia (since 2018, assisting supervision, main sv.: Patrizio Pelliccione, exp. grad.: 2021)
Dennis Priefer (since 2016, assisting supervision, main sv.: Gabriele Taentzer, expected gd.: 2021)
Sven Peldszus (since 2016, co-supervised with Jan Jürjens, expected graduation: 2021)
Shayan Ahmadian (**graduated**, 2016-2020, co-supervised with Jan Jürjens)
Qusai Ramadan (**graduated**, 2016-2020, co-supervised with Jan Jürjens)

I have supervised thesis projects of 18 MSc and BSc students.

Tool Development

Henshin — **Eclipse Modeling Technology Project**
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 — **Chalmers, Uni Koblenz, Uni Marburg**
Project Lead
Development and maintenance of research prototypes.

Community Service

Organizing committee
International Workshop on Modeling in Software Engineering @ICSE2019: Co-Organizer, PC Chair
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 Model-Driven Engineering Systems & Languages (MODELS) 2020–21
International Conference on Fundamental Approaches to Software Engineering (FASE) 2021
International Conference on Software Product Lines (SPLC) 2019–21
International Conference on Software Language Engineering (SLE) 2021
Euromicro Conference on Software Engineering Advanced Applications (SEAA) 2018–21
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 Conference on Software Engineering (Workshops) 2020
German Bi-Annual Conference on Modeling (Tutorials track) 2018
German Annual Conference on IT-Security 2018
International Workshop on AI and Model-Driven Engineering 2019–20
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
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

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

Session chairing
International Conference on Model-Driven Engineering Systems & Languages (MODELS) 2020
International Workshop on Modeling in Software Engineering @ICSE2019 2019
International Conference on Model Transformation (ICMT) 2016

Administrative Service

Member of the doctoral examination board
Universität Koblenz-Landau, 2018

Member of hiring committees
Radboud University, hiring committee for 2 PhD students: 2020
University Marburg, hiring committee for PhD student: 2015, 2016
University Marburg, hiring committee for full professorship (W2): 2015

Invited Talks

University of Copenhagen: November 22, 2019.

TU Dortmund: October 9, 2019.

Radboud University: September 13, 2019.

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

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

Henshin Meeting Darmstadt: May 5, 2017.

FOSD-Meeting Grasellenbach: March 15, 2017.

Universität Koblenz-Landau: April 14, 2016.

Humboldt-Universität zu Berlin: February 29, 2016.

Technische Hochschule Mittelhessen Giessen: December 14, 2015.

In addition, I gave 28 paper presentations at conferences and workshops (mostly my first-author papers), and various presentations in the internal seminars of my host institutions.

Languages

German: native language

English: business proficiency (C2)

Swedish: advanced beginner (A2)

Dutch: beginner (A1)

Publications

Overview

Papers	Total	First author	Most senior	Sole author	Award/ nominee
ISI journals and A* conferences	13	3	1	0	1
A and top-end B conferences	33	11	3	1	7
Workshops, national conferences	28	13	4	2	4
Peer-reviewed book chapters	2	0	0	0	0
Total	**76**	**26**	**8**	**3**	**12**

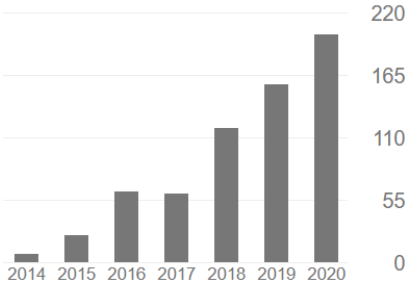
The table includes papers from the following conferences and journals:

A*: ICSE (main track and SEIP), ESEC/FSE (main track). All included are full papers.
A and top-end B: MODELS, FASE, SPLC, SAC, GPCE (listed as A in Qualis and/or CORE), SEKE, ICGT, ICMT, iFM (listed top-end B), ECMFA (incorporated ICMT in 2020). 26 of 33 included are full main-track papers; the publication list below maintains separate categories.
ISI Journals: SoSyM, JSS, FAOC, JLAMP, COMLAN, JOT.

Citation metrics.

Citations: 631; h-index: 16; i10-index: 27
(Google Scholar, February 2021)

My PhD work was in formal methods in software engineering, a subject area with a lower average citation rate compared to applied areas. The visualization to the right (from Google Scholar) shows a steady yearly growth of my citation rate.



Publications in ISI Journals

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. Springer.
(Accepted. Invited extended version of a conference paper at MODELS'19.)

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. Springer. Volume 19, no. 5, pp. 1191-1227.
(Invited extended version of a conference paper at ECMFA'18.)

SoSyM'19 **Daniel Strüber**, Jennifer Plöger, Vlad Acreţoaie: Model Clone Detection for Rule-Based Model Transformation Languages. Software & Systems Modeling, vol. 18(2). pp. 995-1016.

(Invited extended version of a conference paper at ICMT'16. The conference paper was awarded with the **Best Paper Award**.)

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: Journal of Object Technology. Special Issue on ICMT 2019: International Conference on Model Transformation. JOT. Volume 18, no. 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.
(Invited extended version of a conference paper at ICGT'17. The conference paper was awarded with the **Best Paper Award**.)

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.
(Invited extended version of a conference paper at FASE'16 that was a **Best Paper Nominee**.)

SoSyM'18 Vlad Acreţoaie, 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)

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, main technical track. *(accepted)*

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. *(accepted)*

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, main technical track on software platforms. *(accepted)*

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 Acreţoaie: 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'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, Raffaela 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**
ICMT'15	Vlad Acretoaie, Harald Störrle, **Daniel Strüber**: Transparent Model Transformation: Turning Your Favourite Model Editor into a Transformation Tool. In: ICMT 2015: International Conference on the Theory and Practice of Model Transformations. pp. 121-130.

Other peer-reviewed publications: workshop and national conference papers

SE'21	**Daniel Strüber**, Anthony Anjorin, Thorsten Berger: Variability Representations in Class Models: An Empirical Assessment (Summary). In: SE 2021: Fachtagung des GI-Fachbereichs Softwaretechnik. Gesellschaft für Informatik. *(accepted)*
SE'21	Sergio García, **Daniel Strüber**, Davide Brugali, Thorsten Berger, Patrizio Pelliccione: Robotics Software Engineering: A Perspective from the Service Robotics Domain (Summary). In: SE 2021: Fachtagung des GI-Fachbereichs Softwaretechnik. Gesellschaft für Informatik. *(accepted)*
TTC'20	**Daniel Strüber**: Supporting Round-Trip Data Migration for Web APIs with Henshin. In: TTC 2020: Transformation Tool Contest. *(accepted)* **Most Understandable Solution Award.**
SE'20	Sven Peldszus, Katja Tuma, **Daniel Strüber**, Jan Jürjens, Riccardo Scandariato: Secure Data-Flow Compliance Checks between Models and Code based on Automated Mappings (Summary). In: SE 2020: Fachtagung des GI-Fachbereichs Softwaretechnik. Gesellschaft für Informatik. pp. 51-52.
SE'20	Stefan John, Alexandru Burdusel, Robert Bill, **Daniel Strüber**, Gabriele Taentzer, Steffen Zschaler, Manuel Wimmer: Searching for Optimal Models: Comparing Two Encoding Approaches (Summary). In: SE 2020: Fachtagung des GI-Fachbereichs Softwaretechnik. Gesellschaft für Informatik. pp. 101-103.

VaMoS'19	Sergio García, **Daniel Strüber**, Davide Brugali, Alessandro Di Fava, Philipp Schillinger, Patrizio Pelliccione, Thorsten Berger: Variability Modeling of Service Robots: Experiences and Challenges. In: VaMoS 2019: International Workshop on Variability Modelling of Software-Intensive Systems. pp. 8:1–8:6
SE'19	Leen Lambers, **Daniel Strüber**, Gabriele Taentzer, Kristopher Born, Jevgenij Hübert: Multi-Granular Conflict and Dependency Analysis in Software Engineering based on Graph Transformation (Summary). In: SE/SWM 2019: Multikonferenz Software Engineering und Management. GI. pp. 153-154.
SE'19	**Daniel Strüber**, Vlad Acreţoaie, Jennifer Plöger: Clone Detection for Rule-Based Model Transformation Languages. In: SE/SWM 2019: Multikonferenz Software Engineering und Management. GI. pp. 161-162.
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