Dipl.-Ing. Dr. Kevin Feichtinger, BSc

Postdoctoral Researcher · Dependability of Software-intensive Systems group

Karlsruhe Institute of Technology, Am Fasanengarten 5, 76131 Karlsruhe, Germany

kevin.feichtinger@kit.edu | www.kevin-feichtinger.at | coemgen1992 | kevin-feichtinger | @k_feichtinger

Kevin Feichtinger is a Postdoctoral Researcher at the Dependability of Software-intensive Systems Group headed by Prof. Dr. Ralf Reussner at Karlsruhe Institute of Technology, Germany. He completed his Ph.D. studies in computer science major software engineering at the LIT Cyber-Physical Systems Lab at Johannes Kepler University Linz in 2023. His current research interests include software product lines, configurable systems, variability modeling, model transformations, software evolution, software consistency, and software development for Cyber-Physical Systems.

Education

Johannes Kepler University Linz *Linz, Austria*

Doktor der technischen Wissenschaften *Febuary 2020 - Septmeber 2023*

- Programme: Engineering Sciences
- Thesis: A Flexible Approach For Transforming Variability Artifacts
- Advisor: Univ.-Prof. Mag. Dr. Rick Rabiser

Johannes Kepler University Linz *Linz, Austria*

Master of Science in Computer Science *July 2016 - January 2019*

- Major: Software Engineering
- Thesis: Integration of Feature Modeling and Static Code Analysis in the FORCE Tool Environment
- Advisor: a.Univ.-Prof. Dipl.-Ing. Dr. Herbert Prähofer

Oxford Brookes University *Oxford, England*

Erasmus Exchange Semester *September 2016 - December 2016*

Johannes Kepler University Linz *Linz, Austria*

Bachelor of Science in Computer Science *October 2012 - July 2016*

- Thesis: Ein Bausteinsystem zur Visualisierung von industriellen Prozessen in JavaFX
- Advisor: a.Univ.-Prof. Dipl.-Ing. Dr. Herbert Prähofer

Professional Experience

2024 - present	**Postdoctoral Researcher**, Karlsruhe Institute of Technology, Germany
2020 - 2023	**University Assistent**, Johannes Kepler University Linz, Austria
2019 - 2020	**Researcher**, Johannes Kepler University Linz, Austria
2017 - 2019	**Student Researcher**, Johannes Kepler University Linz, Austria
Summer 2017	**Research Trainee**, KDDI Research, Inc., Japan

Teaching Experience

Spring 2025	**Software Product Line Engineering** – ***3 ECTS***, Lecturer	*Karlsruhe Institute of Technology*
Spring 2025	**Project: Software Engineering** – ***6 ECTS***, Supervisor	*Karlsruhe Institute of Technology*
Spring 2024	**Software Product Line Engineering** – ***3 ECTS***, Lecturer	*Karlsruhe Institute of Technology*
Spring 2024	**Project: Tools for Agile Modeling** – ***6 ECTS***, Supervisor	*Karlsruhe Institute of Technology*
Spring 2024	**Project: Software Engineering** – ***6 ECTS***, Supervisor	*Karlsruhe Institute of Technology*
Winter 2024	**Project: Software Engineering** – ***6 ECTS***, Supervisor	*Karlsruhe Institute of Technology*
Winter 2024	**Seminar Continuous Software Engineering** – ***4 ECTS***, Supervisor	*Karlsruhe Institute of Technology*
Spring 2023	**Product Line Engineering** – ***3 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2023	**Exercises in Algorithms** – ***1,5 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2022	**Product Line Engineering** – ***3 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2022	**Exercises in Algorithms** – ***1,5 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2022	**Exercises in Algorithms for AI** – ***1,5 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2022	**Project in Software Engineering** – ***7,5 ECTS***, Supervisor	*Johannes Kepler University Linz*
Winter 2022	**Systems Programming** – ***3 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2021	**Exercises in Algorithms** – ***1,5 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2020	**Exercises in Practical Computer Science** – ***1,5 ECTS***, Lecturer	*Johannes Kepler University Linz*
Spring 2020	**Project in Software Engineering** – ***7,5 ECTS***, Supervisor	*Johannes Kepler University Linz*

Mentoring

November 2025	**Julian Robin Winter**, Bachelor Thesis: Guided Exploration and Visualization of Trace Links in Visual Studio Code	*Karlsruhe Institute of Technology*
September 2025	**David Kowal**, Project: ANTLR-based parsing and serialization for DOPLER Decision models	*Karlsruhe Institute of Technology*
September 2025	**Yifei Huang**, Bachelor Thesis: Enable Tracing Requirements and Source Code in Visual Studio Code	*Karlsruhe Institute of Technology*
September 2025	**Kaan Berk Yaman**, Master Thesis: Assessing the Scalability of Variability Artifact Transformations using TRAVART	*Karlsruhe Institute of Technology*
May 2025	**Fabian Eger**, Master Thesis: Solver Representations for Cardinality-based Feature Models	*Karlsruhe Institute of Technology*
March 2025	**Yannick Kraml**, Project: Transforming Universal Variability Language feature models into DOPLER Decision Models and vice versa	*Karlsruhe Institute of Technology*
March 2025	**Gabriel Leon Gehrig**, Seminar: A Comparison of different Notions of Consistency beyond Software Engineering	*Karlsruhe Institute of Technology*
August 2024	**Jessica Woschek**, Bachelor Thesis: Exploring the Traceability of Requirements and Source Code via LLMs	*Karlsruhe Institute of Technology*
September 2024	**Fabian Eger**, Project: SMT based Analysis for Decision Models	*Karlsruhe Institute of Technology*
September 2024	**Jakob Gretenkort**, Project: Enabling Variability Artifact Exploration via an Universal Variability Language Playground	*Karlsruhe Institute of Technology*
September 2024	**Kaan Berk Yaman**, Project: Transforming Universal Variability Language feature models into the Kconfig Language and vice versa	*Karlsruhe Institute of Technology*
July 2024	**Dario Romano**, Master Thesis: Constraint Optimizing Transformations between UVL and pure::variants Feature Models	*Johannes Kepler University Linz*
November 2023	**Prankur Agarwal**, Master Thesis: Bridging the Gap: Transforming UVL Models to IVML Models and back	*Johannes Kepler University Linz*
July 2022	**Prankur Agarwal**, Project: Exploring the Transformation of IVML Models into UVL Models	*Johannes Kepler University Linz*
July 2020	**Paul Stöbich**, Project: Transforming Orthogonal Variability Models to Feature Models and back in FeatureIDE	*Johannes Kepler University Linz*

Cooperations

I collaborate with various groups from different universities. The complete list of my list of co-authors can be found at DBLP (https://dblp.uni-trier.de/pid/237/0533.html).

This list does not include cooperations with groups of my former affiliation Johannes Kepler University Linz. At Johannes Kepler University Linz I closely collaborate with the groups of Prof. Rick Rabiser (LIT CPS Lab.), Prof. Alois Zoitl (LIT CPS Lab.), Prof. Manuel Wimmer (WIN/SE), Prof. Herbert Prähofer (INF/SSW) and Prof. Paul Grünbacher (INF/ISSE). Further, no cooperations are listed from my current affiliation, Karlsruhe Institute of Technology, and the project SFB 1608 (https://www.sfb1608.kit.edu/) where I collaborate with the groups of Prof. Uwe Aßmann from the Technical University Dresden, Prof. Colin Atkinson from the University of Mannheim, Prof. Dr. Gabor Karsai from the Vanderbilt University, or Dr. Sophie Fortz from the King's College London.

2022 - present	**Dr. Sandra Greiner**, Variability Modeling. Software Engineering for Cyber-Physical Production Systems. 7 joint publications	*University of Southern Denmark*
2021 - present	**Tonja Heinemann, Jérôme Pfeiffer, Prof. Andreas Wortmann**, Software Engineering for Cyber-Physical Production Systems. 3 joint publications	*University of Stuttgart*
2021 - present	**David Schmalzing, Dr. Judith Michael, Dr. István Koren, Prof. Bernhard Rumpe**, Software Engineering for Cyber-Physical Production Systems. 2 joint publication	*RWTH Aachen*
2021 - present	**Prof. Klaus Schmid, Dr. Holger Eichelberger**, Variability Modeling and Software Product Lines. Software Engineering for Cyber-Physical Production Systems. 2 joint publications	*University of Hildesheim*
2021 - present	**Prof. David Benavides, Prof. José Galindo**, Universal Variability Language. MODEVAR Workshop Series. 4 joint publications	*University of Sevilla*
2021 - present	**Chico Sundermann, Dr. Sebastian Krieter, Prof. Thomas Thüm**, Transformation of Variability Models. Universal Variability Language. MODEVAR Workshop Series. 6 joint publications	*Technische Universität Braunschweig*
2020 - present	**Dr. Kristof Meixner, Prof. Stefan Biffl**, Transformation of Industrial Variability Artifacts. Software Engineering for Cyber-Physical Production Systems. 13 joint publications	*TU Wien*

Awards

2024	**JKU Young Researcher Award**, Johannes Kepler University Linz, Austria	*€ 500*

Grants

2022	**Student Researcher in Research - Prankur Agarwal**, Johannes Kepler University Linz, Austria	*€ 3,000*

Scientific Services

Organizer

2025	**3rd Special Session on Software Engineering for Cyber-Physical Production Systems (SECPPS)**, 30th IEEE International Conference on Emerging Technologies and Factory Automation
2025	**Artifact Chair**, 29th ACM International Systems and Software Product Line Conference
2025	**Workshop Co-Chair**, Software Engineering 2025
2025	**8th International Workshop on Languages for Modelling Variability (MODEVAR 2025)**, 19th International Working Conference on Variability Modelling of Software-Intensive Systems
2024	**7th International Workshop on Languages for Modelling Variability (MODEVAR 2024)**, 28th ACM International Systems and Software Product Line Conference
2024	**2nd Special Session on Software Engineering for Cyber-Physical Production Systems (SECPPS)**, 29th IEEE International Conference on Emerging Technologies and Factory Automation

Programm Committee Member

2025	**9th International Workshop on Languages for Modelling Variability Workshop**, 29th ACM International Systems and Software Product Line Conference
2025	**Demonstrations and Tools**, 29th ACM International Systems and Software Product Line Conference
2025	**Challenge Track**, 29th ACM International Systems and Software Product Line Conference
2024	**Research Track**, 28th ACM International Systems and Software Product Line Conference
2024	**Artifact Evaluation Track**, 28th ACM International Systems and Software Product Line Conference
2024	**Demonstrations and Tools Track**, 28th ACM International Systems and Software Product Line Conference
2024	**6th International Workshop on Languages for Modelling Variability (MODEVAR)**, 18th International Working Conference on Variability Modelling of Software-Intensive Systems
2024	**Artifact Evaluation Track**, 18th International Working Conference on Variability Modelling of Software-Intensive Systems
2023	**6th International Workshop on Variability and Evolution of Software-Intensive Systems**, 27th ACM International Systems and Software Product Line Conference
2023	**Technical Tracks Industrial Digitalization, Digital Twins in Industrial Applications**, IEEE International Conference on Industrial Informatics 2023
2023	**Special Session on Software Engineering for Cyber-Physical Production Systems**, 28th IEEE International Conference on Emerging Technologies and Factory Automation
2023	**Work-In-Progress Session**, 28th IEEE International Conference on Emerging Technologies and Factory Automation

Reviewer

since 2024	**Transactions on Software Engineering (TSE)**,
since 2024	**ACM Transactions on Software Engineering and Methodology (TOSEM)**,
since 2022	**Journal of Systems and Software (JSS)**,
2022	**(Sub-)Reviewer - Research Track**, 16th Working Conference on Variability Modelling of Software-Intensive Systems
2022	**(Sub-)Reviewer - Research Track**, 26th ACM International Systems and Software Product Line Conference
2022	**(Sub-)Reviewer - Research Track**, 34th International Conference on Software Engineering and Knowledge Engineering
2021	**(Sub-)Reviewer - Research Track**, 25th ACM International Systems and Software Product Line Conference
2021	**(Sub-)Reviewer - Research Track**, 15th Working Conference on Variability Modelling of Software-Intensive Systems

Session Chairs

Sep. 6th 2024	**28th ACM International Systems and Software Product Line Conference**, Paper Session: Application of SPLs III