Address and contacts

Software Engineering Research Lab
Department of Software Engineering
Blekinge Institute of Technology

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🎓 https://scholar.google.com/citations?user=9hlOBUcAAAAJ
🖧 dfucci.co
⛓ github.com/dfucci
in linkedin.com/in/dfucci

Davide Fucci

Citizenship	Italian
Research Interests	Software quality, testing, and application security. Data-driven Requirements Engineering. Application of Affective Computing to Software and Requirements Engineering. Strong interest in methodological aspects and empirical approaches, as well as open science.

Education

University of Oulu, Oulu, Finland — 2013–2016
Ph.D. in Software Engineering with honors, May 2016
Supervisor: Prof. Burak Turhan, Advisors: Prof. Natalia Juristo & Prof. Markku Oivo
Thesis title: The Role of Process Conformance and Developers' Skills in the Context of Test-driven Development.

University of Oulu, Oulu, Finland — 2010–2012
Master degree in Computer Sciencegrade 4/5, September 2012

University of Bari, Bari, Italy — 2009–2010
Master degree in Computer Science

University of Bari, Bari, Italy — 2004–2008
Bachelor degree in Computer Sciencegrade 96/100, December 2008

Employment

Dept. Software Engineering, BTH, Karlskrona, Sweden — 02/2024–
Docent

Dept. Software Engineering, BTH, Karlskrona, Sweden — 10/2021–01/2024
Assistant Professor (Tenured)

Dept. Software Engineering, BTH, Karlskrona, Sweden — 9/2019–9/2021
Assistant Professor (Tenure Track)

HITeC e.V. & University of Hamburg, Hamburg, Germany — 2/2017–12/2019
Post-doctoral Researcher

University of Oulu, Oulu, Finland   6/2016–12/2016
Post-doctoral Researcher

Carnegie Mellon University (SV campus), Mountain View, CA, USA 01/2015–07/2015
Visiting Researcher

PaneMerkille Ay, Oulu, Finland   07/2012–12/2014
Founder & CTO
Founded a startup as a spin-off of university project.
Developed front-end and back-end using Javascript technologies.

Advanced Computer Systems, Trani, Italy   5/2007–08/2009
Software developer
Developed test infrastructure for legacy code.
Developed in-house DHW solution using C# and .NET technologies.

Teaching Experience

Invited Teacher   Spring 2025
Software Testing   Zhejiang University of Technology (China)

Course responsible and Teacher   Spring 2023–2024
Adaptive Lean Software Testing   Blekinge Institute of Technology

Course co-responsible and Teacher   Fall 2022–2024
Security Inventory for Software Development   Blekinge Institute of Technology

Instructor, Course responsible   Spring 2022–2024
Quality Assurance of Security Aware Applications Blekinge Institute of Technology

Instructor, Course responsible   Spring 2021–2025
Software Testing   Blekinge Institute of Technology

Instructor, Course responsible   Fall 2020–2024
Global Software Development   Blekinge Institute of Technology

Instructor   Fall 2019–2020
Global Software Development   Blekinge Institute of Technology

Instructor   Spring 2017–2019
Empirical Software Engineering   University of Hamburg

Instructor   Spring 2017–2019
Software Patterns   University of Hamburg

Instructor, Creator   Fall 2016
Integration and Testing of Software Systems   University of Bari

Instructor   Spring 2014–2016
Software Quality and Testing   University of Oulu

Co-Instructor, Co-Creator	Spring 2013
Software Quality and Testing	University of Oulu
Instructor	Fall 2013–2015
Global and Distributed Software Engineering	University of Oulu
Supervisor	Fall 2013–2015
Project II	University of Oulu

Publications
Journals

§22. Mariana Peixoto, Tony Gorschek, Daniel Mendez, Carla Silva, and <u>Davide Fucci</u>. The perspective of agile software developers on data privacy. Journal of Software: Evolution and Process, 37(2):e2755, 2025

§21. Julian Frattini, <u>Davide Fucci</u>, Richard Torkar, Lloyd Montgomery, Michael Unterkalmsteiner, Jannik Fischbach, and Daniel Mendez. Applying bayesian data analysis for causal inference about requirements quality: a controlled experiment. Empirical Software Engineering, 30(1):29, 2025

§20. Fernando Uyaguari, Silvia T. Acuña, John W. Castro, <u>Davide Fucci</u>, Oscar Dieste, and Sira Vegas. Relevant information in tdd experiment reporting. ACM Trans. Softw. Eng. Methodol., 2024

§19. Julian Frattini, Lloyd Montgomery, <u>Davide Fucci</u>, Michael Unterkalmsteiner, Daniel Mendez, and Jannik Fischbach. Requirements quality research artifacts: Recovery, analysis, and management guideline. Journal of Systems and Software, pages 112–120, 2024

§18. <u>Davide Fucci</u>, Emil Alégroth, Michael Felderer, and Christoffer Johannesson. Evaluating software security maturity using owasp samm: Different approaches and stakeholders perceptions. Journal of Systems and Software, 214:112062, 2024

§17. Julian Frattini, Lloyd Montgomery, Jannik Fischbach, Daniel Mendez, <u>Davide Fucci</u>, and Michael Unterkalmsteiner. Requirements quality research: a harmonized theory, evaluation, and roadmap. Requirements Engineering, pages 1–14, 2023

§16. Julian Frattini, <u>Davide Fucci</u>, Daniel Mendez, Rodrigo Spínola, Vladimir Mandić, Nebojša Taušan, Muhammad Ovais Ahmad, and Javier Gonzalez-Huerta. An initial theory to understand and manage requirements engineering debt in practice. Information and Software Technology, 159:107201, 2023

§15. <u>Davide Fucci</u>, Emil Alégroth, and Thomas Axelsson. When traceability goes awry: An industrial experience report. Journal of Systems and Software, 192:111389, 2022

§14. Maria Teresa Baldassarre, Danilo Caivano, <u>Davide Fucci</u>, Simone Romano, and Giuseppe Scanniello. Affective reactions and test-driven development: Results from three experiments and a survey. Journal of Systems and Software, 185:111154, 2022

§13. Lloyd Montgomery, <u>Davide Fucci</u>, Abir Bouraffa, Lisa Scholz, and Walid Maalej. Empirical research on requirements quality: a systematic mapping study. Requirements Engineering, pages 1–27, 2022

§12. Fabian Fagerholm, Michael Felderer, <u>Davide Fucci</u>, Michael Unterkalmsteiner, Bogdan Marculescu, Markus Martini, Lars Göran Wallgren Tengberg, Robert Feldt, Bettina Lehtelä, Balázs Nagyváradi, and Jehan Khattak. Cognition in software engineering: A taxonomy and survey of a half-century of research. ACM Comput. Surv., dec 2021

§11. Simone Romano, <u>Davide Fucci</u>, Giuseppe Scanniello, Maria Teresa Baldassarre, Burak Turhan, and Natalia Juristo. On researcher bias in software engineering experiments. Journal of Systems and Software, 182:111068, 2021

§10. Adrian Santos, Sira Vegas, Oscar Dieste, Fernando Uyaguari, Ayşe Tosun, <u>Davide Fucci</u>, Burak Turhan, Giuseppe Scanniello, Simone Romano, Itir Karac, et al. A family of experiments on test-driven development. Empirical Software Engineering, 26(3):1–53, 2021

§9. Maria Teresa Baldassarre, Danilo Caivano, <u>Davide Fucci</u>, Natalia Juristo, Simone Romano, Giuseppe Scanniello, and Burak Turhan. Studying test-driven development and its retainment over a six-month time span. Journal of Systems and Software, 176:110937, 2021

§8. <u>Davide Fucci</u> and Ehsan Zabardast. Towards group development stages in software engineering courses projectwork. Journal of Teaching and Learning in Higher Education at Malmö University, 1(2), 2020

§7. <u>Davide Fucci</u>, Giusppe Scanniello, Simone Romano, and Natalia Juristo. Need for Sleep: the Impact of a Night of Sleep Deprivation on Novice Developers' Performance. IEEE Transactions on Software Engineering, 2018

§6. Ayse Tosun, Oscar Dieste, <u>Davide Fucci</u>, Sira Vegas, Burak Turhan, Hakan Erdogmus, Adrian Santos, Markku Oivo, Kimmo Toro, Janne Järvinen, and Natalia Juristo. An Industry Experiment on the Effects of Test-driven Development on External Quality and Productivity. Empirical Software Engineering, 22(6):2763–2805, 2017

§5. Oscar Dieste, Alejandrina M. Aranda, Fernando Uyaguari, Burak Turhan, Ayse Tosun, <u>Davide Fucci</u>, Markku Oivo, and Natalia Juristo. Empirical Evaluation of the Effects of Experience on Code Quality and Programmer Productivity: An Exploratory Study. Empirical Software Engineering, 22(5):2457–2542, 2017

§4. Simone Romano, <u>Davide Fucci</u>, Giuseppe Scanniello, Burak Turhan, and Natalia Juristo. Findings From a Multi-method Study on Test-driven Development. Information & Software Technology, 89:64–77, 2017

§3. <u>Davide Fucci</u>, Hakan Erdogmus, Burak Turhan, Markku Oivo, and Natalia Juristo. A Dissection of the Test-Driven Development Process: Does It Really Matter to Test-First or to Test-Last? IEEE Trans. Software Eng., 43(7):597–614, 2017

§2. <u>Davide Fucci</u>, Burak Turhan, Natalia Juristo Juzgado, Oscar Dieste, Ayse Tosun Misirli, and Markku Oivo. Towards an Operationalization of Test-driven Development Skills: An Industrial Empirical Study. Information & Software Technology, 68:82–97, 2015

§1. <u>Davide Fucci</u> and Burak Turhan. On the Role of Tests in Test-driven Development: A Differentiated and Partial Replication. Empirical Software Engineering, 19(2):277–302, 2014

Publications
Conferences

§29. Parisa Elahidoost, Michael Unterkalmsteiner, <u>Davide Fucci</u>, Peter Liljenberg, and Jannik Fischbach. Designing nlp-based solutions for requirements variability management: experiences from a design science study at visma. In International Working Conference on Requirements Engineering: Foundation for Software Quality, pages 191–204. Springer, 2024

§28. Julian Frattini, Lloyd Montgomery, Jannik Fischbach, Michael Unterkalmsteiner, Daniel Mendez, and <u>Davide Fucci</u>. A live extensible ontology of quality factors for textual requirements. In 2022 IEEE 30th International Requirements Engineering Conference (RE), pages 274–280, 2022

§27. Valentina Lenarduzzi, Oscar Dieste, <u>Davide Fucci</u>, and Sira Vegas. Towards a methodology for participant selection in software engineering experiments: A vision of the future. In Proceedings of the 15th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), pages 1–6, 2021

§26. Oleksandr Kosenkov, Michael Unterkalmsteiner, Daniel Mendez, and <u>Davide Fucci</u>. Vision for an artefact-based approach to regulatory requirements engineering. In Proceedings of the 15th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), pages 1–6, 2021

§25. Simone Romano, Giuseppe Scanniello, Maria Teresa Baldassarre, <u>Davide Fucci</u>, and Danilo Caivano. Results from a replicated experiment on the affective reactions of novice developers when applying test-driven development. In International Conference on Agile Software Development, pages 223–239. Springer, 2020

§24. Mohammad Ghafari, Timm Gross, <u>Davide Fucci</u>, and Michael Felderer. Why research on test-driven development is inconclusive? In 2020 ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM. IEEE, 2020

§23. Daniela Girardi, Alessio Ferrari, Nicole Novielli, Paola Spoletini, <u>Davide Fucci</u>, and Thaide Huichapa. The way it makes you feel: Predicting users' engagement during interviews with biofeedback and supervised learning. In 2020 IEEE 28th International Requirements Engineering Conference (RE), pages 32–43, 2020

§22. Simone Romano, <u>Davide Fucci</u>, Giuseppe Scanniello, Maria Teresa Baldassarre, Burak Turhan, and Natalia Juristo. Researcher bias in software engineering experiments: a qualitative investigation. In Euromicro Conference on Software Engineering and Advanced Applications SEAA. LNCS, 2020

§21. Jannik Fischbach, Henning Femmer, Daniel Mendéz-Fernandéz, <u>Davide Fucci</u>, and Andreas Vogelsang. What makes agile test artifacts useful? an activity-based quality model from a practitioners' perspective. In 2020 ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM. IEEE, 2020

§20. Daniela Girardi, Nicole Novielli, <u>Davide Fucci</u>, and Filippo Lanubile. Recognizing developers' emotions while programming. In Proceedings of the IEEE/ACM International Conference on Software Engineering, ICSE 2020, Seoul, South Korea, May 24-31., 2020

§19. Simone Romano, <u>Davide Fucci</u>, Maria Teresa Baldassarre, Danilo Caivano, and Giuseppe Scanniello. An empirical assessment on affective reactions of novice developers when applying test-driven development. In Product-Focused Software Process Improvement - 20th International Conference, PROFES 2019, Barcelona, Spain, November 27-29, 2019, Proceedings, volume 11915 of Lecture Notes in Computer Science, pages 3–19. Springer, 2019

§18. Valentina Lenarduzzi and <u>Davide Fucci</u>. Towards a holistic definition of requirements debt. In 2019 ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2019, Porto de Galinhas, Recife, Brazil, September 19-20, 2019, pages 1–5. IEEE, 2019

§17. <u>Davide Fucci</u>, Alireza Mollaalizadehbahnemiri, and Walid Maalej. On using machine learning to identify knowledge in API reference documentation. In Proceedings of the ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering, ESEC/SIGSOFT FSE 2019, Tallinn, Estonia, August 26-30, 2019., pages 109–119, 2019

§16. <u>Davide Fucci</u>, Daniela Girardi, Nicole Novielli, Luigi Quaranta, and Filippo Lanubile. A replication study on code comprehension and expertise using lightweight biometric sensors. In Proceedings of the 27th International Conference on Program Comprehension, ICPC 2019, Montreal, QC, Canada, May 25-31, 2019, pages 311–322, 2019

§15. <u>Davide Fucci</u>, Cristina Palomares, Dolors Costal, Xavier Franch, Mikko Raatikainen, Martin Stettinger, Zijad Kurtanovic, Tero Kojo, Lars Koenig, Andreas Falkner, Gottfried Schenner, Fabrizio Brasca, Tomi Mannisto, Alexander Felfernig, and Walid Maalej. Needs and Challenges for a Platform to Support Large-scale Requirements Engineering. In Proceedings of the 12th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2018, Oulu, Finland, October 12-13, 2018

§14. Simone Romano, Giuseppe Scanniello, <u>Davide Fucci</u>, Natalia Juristo, and Burak Turhan. The Effect of Noise on Software Engineers' Performance. In Proceedings of the 12th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2018, Oulu, Finland, October 12-13, 2018, 2018

§13. <u>Davide Fucci</u>, Simone Romano, Maria Teresa Baldassarre, Danilo Caivano, Giuseppe Scanniello, Burak Turhan, and Natalia Juristo. A Longitudinal Cohort Study on the Retainment of Test-Driven Development. In Proceedings of the 12th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2018, Oulu, Finland October 12-13, 2018, 2018

§12. Christoph Stanik, Lloyd Montgomery, Daniel Martens, <u>Davide Fucci</u>, and Walid Maalej. A Simple NLP-based Approach to Support Onboarding and Retention in

Open-Source Communities. In Proceedings of the 34th ACM/IEEE International Conference on Software Maintenance and Evolution, ICSME 2018, Madrid, Spain September 26-28, 2018, 2018

§11. Oscar Dieste, Alejandrina Aranda, Fernando Uyaguari, Burak Turhan, Ayse Tosun, <u>Davide Fucci</u>, Markku Oivo, and Natalia Juristo. Empirical Evaluation of the Effects of Experience on Code Quality and Programmer Productivity: An Exploratory Study. In Proceedings of the 2018 International Conference on Software and System Process, ICSSP 2018, Gothenburg, Sweden, May 26-27, 2018, pages 111–112, 2018

§10. Cristina Palomares, Xavier Franch, and <u>Davide Fucci</u>. Personal Recommendations in Requirements Engineering: The OpenReq Approach. In Requirements Engineering: Foundation for Software Quality - 24th International Working Conference, REFSQ 2018, Utrecht, The Netherlands, March 19-22, 2018, Proceedings, pages 297–304, 2018

§9. Simone Romano, Giuseppe Scanniello, <u>Davide Fucci</u>, Natalia Juristo, and Burak Turhan. The Effect of Noise on Requirements Comprehension. In Proceedings of the 40th International Conference on Software Engineering: Companion Proceeedings, ICSE 2018, Gothenburg, Sweden, May 27 - June 03, 2018, pages 308–309, 2018

§8. <u>Davide Fucci</u>, Giuseppe Scanniello, Simone Romano, Martin Shepperd, Boyce Sigweni, Fernando Uyaguari, Burak Turhan, Natalia Juristo, and Markku Oivo. An External Replication on the Effects of Test-driven Development Using a Multi-site Blind Analysis Approach. In Proceedings of the 10th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2016, Ciudad Real, Spain, September 8-9, 2016, pages 3:1–3:10, 2016

§7. Giuseppe Scanniello, Simone Romano, <u>Davide Fucci</u>, Burak Turhan, and Natalia Juristo. Students' and Professionals' Perceptions of Test-driven Development: A Focus group Study. In Proceedings of the 31st Annual ACM Symposium on Applied Computing, Pisa, Italy, April 4-8, 2016, pages 1422–1427, 2016

§6. <u>Davide Fucci</u>, Burak Turhan, and Markku Oivo. On the Effects of Programming and Testing Skills on External Quality and Productivity in a Test-driven Development Context. In Proceedings of the 19th International Conference on Evaluationand Assessment in Software Engineering, EASE 2015, Nanjing, China, April 27-29, 2015, pages 25:1–25:6, 2015

§5. <u>Davide Fucci</u>, Burak Turhan, and Markku Oivo. Conformance Factor in Test-driven Development: Initial Results From an Enhanced Replication. In 18th International Conference on Evaluation and Assessment in Software Engineering, EASE '14, London, England, United Kingdom, May 13-14, 2014, pages 22:1–22:4, 2014

§4. <u>Davide Fucci</u>, Burak Turhan, and Markku Oivo. Impact of Process Conformance on the Effects of Test-driven Development. In 2014 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM '14, Torino, Italy, September 18-19, 2014, pages 10:1–10:10, 2014

§3. <u>Davide Fucci</u>. Understanding the Dynamics of Test-driven Development. In 36th International Conference on Software Engineering, ICSE '14, Companion Proceedings, Hyderabad, India, May 31 - June 07, 2014, pages 690–693, 2014

§2. <u>Davide Fucci</u> and Burak Turhan. A Replicated Experiment on the Effectiveness of Test-First Development. In 2013 ACM / IEEE International Symposium on Empirical Software Engineering and Measurement, Baltimore, Maryland, USA, October 10-11, 2013, pages 103–112, 2013

§1. Xiang Su, <u>Davide Fucci</u>, and Jukka Riekki. A Framework to Enable Two-Layer Inference for Ambient Intelligence. In Ambient Intelligence and Future Trends - International Symposium on Ambient Intelligence (ISAmI 2010), Guimarães, Portugal, 16-18 June 2010, pages 29–36, 2010

Publications
Workshops

§7. <u>Davide Fucci</u>. FAIR enough: a Vision for Research Objects in Empirical Software Engineering Studies. In Proceedings of the 1st IEEE/ACM International Workshop on Methodological Issues with Empirical Studies in Software Engineering, page 64–67, 2024

§6. Daniela Girardi, Filippo Lanubile, Nicole Novielli, and <u>Davide Fucci</u>. Sensing Developers Emotions: The Design of a Replicated Experiment. In Proceedings of the 3rd International Workshop on Emotion Awareness in Software Engineering, SEmotion, ICSE 2018, Gothenburg, Sweden, June 2, 2018, pages 51–54, 2018

§5. Muesluem Atas, Thi Ngoc Trang Tran, Ralph Samer, Alexander Felfernig, Martin Stettinger, and <u>Davide Fucci</u>. Liquid democracy in group-based configuration. In Proceedings of the 20th International CEUR Workshop on Configuration, ConfWS18, Graz, Austria. September 23, 2018, pages 93–98, 2018

§4. Yen Dieu Pham, <u>Davide Fucci</u>, and Walid Maalej. A First Implementation of a Design Thinking Workshop During a Mobile App Development Course Project. In Proceedings of the 2nd International Workshop on Software Engineering Education for Millennials, SEEM@ICSE 2018, Gothenburg, Sweden, June 2, 2018, pages 56–63, 2018

§3. <u>Davide Fucci</u>, Christoph Stanik, Lloyd Montgomery, Zijad Kurtanovic, Timo Johann, and Walid Maalej. Research on NLP for RE at the university of hamburg: A report. In Joint Proceedings of REFSQ-2018 Workshops, Doctoral Symposium, Live Studies Track, and Poster Track co-located with the 23rd International Conference on Requirements Engineering: Foundation for Software Quality (REFSQ 2018), Utrecht, The Netherlands, March 19, 2018., 2018

§2. Mathias Ellmann, Alexander Oeser, <u>Davide Fucci</u>, and Walid Maalej. Find, Understand, and Extend Development Screencasts on YouTube. In Proceedings of the 3rd ACM SIGSOFT International Workshop on Software Analytics, SWAN@ESEC/SIGSOFT FSE 2017, Paderborn, Germany, September 4, 2017, pages 1–7, 2017

§1. Damiano Torre, Giuseppe Procaccianti, <u>Davide Fucci</u>, Sonja Lutovac, and Giuseppe Scanniello. On the Presence of Green and Sustainable Software Engineering in Higher Education Curricula. In 1st IEEE/ACM International Workshop on Software Engineering Curricula for Millennials, SECM@ICSE 2017, Buenos Aires, Argentina, May 27, 2017, pages 54–60, 2017

Service

Organizer:

2nd Intl. Workshop on Multi-disciplinary, Open, and RElevant Requirements Engineering (MO2RE)	2025
1st Intl. Workshop on Multi-disciplinary, Open, and RElevant Requirements Engineering (MO2RE)	2024
5th Intl. Workshop on Emotion Awareness in Software Engineering (SEmotion)	2020
3rd Intl. Workshop on Natural Language Processing for Requirements Engineering (NLP4RE)	2020
2nd Intl. Workshop on Affective Computing for Requirements Engineering (AffectRE)	2019
4th Intl. Workshop on Emotion Awareness in Software Engineering (SEmotion)	2019
1st Intl. Workshop on Affective Computing for Requirements Engineering (AffectRE)	2018

Conference Organizing Committee Member:

Intl. Conference on Requirements Engineering (RE)	2025
Intl. Conference on Software Engineering (ICSE)	2021
Intl. Symposium on Empirical Software Engineering and Measurement (ESEM)	2018, 2023, 2024

Conference Program Committee Member:

Intl. Conf. on Software Engineering (ICSE)	2025, 2026
Intl. Conf. on Program Comprehension (ICPC)	2021, 2022
Intl. Conf. on Human Aspects of Software Engineering (CHASE)	2021–2023
Intl. Conf. on Software Analysis, Evolution, and Re-engineering (SANER)	2020–2024
Intl. Conf. on Requirements Engineering (RE)	2021–2024
Intl. Working Conf. on RE: Foundation for Software Quality (REFSQ)	2020, 2023
Intl. Symposium on Empirical Software Engineering and Measurement (ESEM)	2015–2025
Intl. Conf. on Evaluation and Assessment in Software Engineering (EASE)	2018–2020, 2023, 2024
Intl. Conference on Software and System Processes (ICSSP)	2016–2020
Intl. Conf. on on Product-Focused Software Process Improvement (PROFES)	2018–2020
Software Engineering and Advanced Applications (SEAA)	2018
Intl. Conference on Extreme Programming (XP)	2014

Journal Reviewer:

ACM Computing Surveys (CSUR)	since 2025
IEEE Transactions on Software Engineering (TSE)	since 2016
IEEE Transactions on Software Engineering and Methodology (TOSEM)	since 2021

Empirical Software Engineering Journal (EMSE)	since 2015
Requirements Engineering Journal (REEN)	since 2017
Information and Software Technology Journal (IST)	since 2016
Journal of Software and Systems (JSS)	since 2016
Software Verification Testing and Reliability Journal (SVTR)	since 2020
Software Quality Journal (SQJ)	since 2020
PeerJ Computer Science (PeerJCS)	since 2017
IEEE Software Magazine (IEEESW)	since 2019

Journal Publicity:

Information and Software Technology Journal (IST)	2018–2022

Ph.D. Theses Reviewer and Committees Member:

Hiring committee member for Tenure-track Assistant Professor (Chalmers | University of Gothenbourg, Sweden)	Apr, 2025
Giulia Sellitto "The Triad of Trust: A Journey into Quality, Security, and Ethical Impact of Software" (University of Salerno, Italy)	Nov, 2024
Maria Carulo "Mining GitHub to Study Developers-related Aspects" (University of Basilicata, Italy)	May, 2021
Saad Ezzini "Artificial Intelligence-enabled Automation for Ambiguity Handling and Question Answering in Natural-Language Requirements" (University of Luxembourg, Luxembourg)	Sep, 2022
Marti Manzano Aguilar "Specification, Assessment and Monitoring of Quality-Related Software Strategic Indicators in Agile Software Development" (Politechnic University of Catalunya, Spain)	Jan, 2023

Diversity & Outreach

Pint of Science (City co-ordinator) An international festival which brings scientific discussion to the local pubs	2018, 2019
Rails Girls (Coach) Tutoring women in their first approach to software development	2014, 2016

Grants

Knowledge Foundation of Sweden (KKS) SESAM Project ($740 000)	2024–2027
Vinnova ThreMoLIA Project ($356 000)	2024–2026
Nokia Foundation Award for Junior Researcher ($6 500)	2014
ISACA Finland Chapter Junior Researcher in IT and IS ($1 200)	2014

Awards

Distinguished Reviewer Award, CHASE2023	2023
Best Paper Award (Industry Track), ESEM2020	2020
Best Paper Award, SEAA2020	2020
Open Data Recognition Award, ESEM2018	2018
Best Paper Award, ConfWS	2018
Best Paper Award, ESEM2016	2016

	Most Commended Paper Award, EASE2016	2016
	Nokia Foundation Award for Junior Researcher	2014
	ISACA Finland Chapter	2014

Invited Talks

Software Engineering Research: Just snacking at the FAIR buffet?   November 2023
An Afternoon with OpenScience (Mälardalen University, Sweden)

Software Engineering Research: Just snacking at the FAIR buffet?   October 2022
OpenScienSE workshop (Brazil, virtual)

The Hidden Costs and Benefits of TDD   May 2022
StrangeLoop/It will never work in theory (USA, virtual)

Sorry Rocky, but Ivan Drago Can Code Better Than You   September 2020
SERT Virtual Conference (Sweden)

Things I would have loved to know during my PhD   October 2017
ISSRE'17, Tolouse (France)

What do We Know About TDD and Agile Testing?   November 2016
University of Bari (Italy)

TDD: Carefully Read the Information Leaflet Before Using   July 2014
Bari Startup Hub (Italy)

Supervised Ph.D.

Oleksii Novikov   2023–2028
Developers-oriented software security
BTH

Floryan Angermeir   2023–2027
Automated continous security compliance
BTH/fortiss/SIEMENS

Oleksandr Kosenkov   2021–2025
Artefact-based regulatory requirements engineering
BTH/fortiss

Parisa Elahidoost   2021–2025
Automated traceability and compliance for legal requirements engineering
BTH/fortiss

Supervised M.Sc.

Anvesh Ambala   06/2023–02/2024
Exploring the Dynamics of Software Bill of Materials (SBOMs) and Security Integration
in Open Source Projects
Blekinge Institute of Technology

Nayla Nassir   06/2020–01/2021
Acceptance Testing in Agile Software Development
Blekinge Institute of Technology

Abhinav Ram Kola   02/2020–09/2020
Customer communication challenges in Agile Requirements Engineering
Blekinge Institute of Technology

Nynesh Reddy Gujjula   02/2020–09/2020
Practices and Advantages of Submitting Images in OSS projects
Blekinge Institute of Technology

Yujie Huang & Qianneng Wang   02/2020–09/2020
Identification and Management of Requirements Debt
Blekinge Institute of Technology

Alireza Mollaalizadehbahnemiri   10/2017–02/2018
Knowledge Extraction from API Reference Documentation Using Deep Learning
University of Hamburg

Alexander Oeser   8/2017–1/2018
Finding, Understanding, and Enriching Developers Screencast on YouTube
University of Hamburg

Teemu Moisainen   10/2016–4/2017
A DataViz tool for Test-Driven Development
University of Oulu

References

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Last updated: July 17, 2025