

Fabiano Dalpiaz

Curriculum Vitae

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Personal Information

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Current Position

05/2023–
now Full professor of software production in the Department of Information and Computing Sciences at Utrecht University. My research focuses on the theory and practice of requirements engineering, the discipline that focuses on the process that translates informal stakeholder needs to precise program specification. I study how to devise theoretically well-founded algorithms and tools that blend artificial intelligence techniques with information visualization in order to increase the quality of the requirements engineering process and artifacts. My research is often validated through collaborations in the software industry.

Previous Academic Experience

1/2022–
4/2023 **Associate Professor**, *Department of Information and Computing Sciences*, Netherlands, Utrecht University.
9/2013–
12/2021 **Assistant Professor**, *Department of Information and Computing Sciences*, Netherlands, Utrecht University.
7/2012–
8/2013 **Post-doctoral fellow**, *Department of Computer Science*, Canada, University of Toronto.
2/2011–
7/2012 **Post-doctoral researcher**, *Department of Information Engineering and Computer Science*, Italy, University of Trento.

Education

2006–2011 **PhD in Computer Science**, *University of Trento*, Italy, International Doctorate School in Information and Communication Technology.
Exploiting Contextual and Social Variability for Software Adaptation
Supervisors: John Mylopoulos and Paolo Giorgini
URL: <http://eprints-phd.biblio.unitn.it/451/2/fabiano-phd-20110208.pdf>
2003–2005 **MSc in Computer Science**, *University of Trento*, Italy, cum laude.

Honors and Awards

These are also highlighted throughout the resume with the symbol ☆.

- Distinguished papers** Fourteen conference papers were selected among the best ones and invited for a journal publication: i) RE'24 [c1] ii) REFSQ'24 [c2] iii) REFSQ'22 [c6] iv) RE'21 [c10] v) REFSQ'20 [c15] vi) REFSQ'20 [c14] vii) RE'19 [c17] viii) REFSQ'19 [c20] ix) RE'18 [c22]; x) REFSQ'18 [c23]; xi) RE 2016 [c29]; xii) RE 2015 [c36] ; xiii) BPMDS'14 [c44]; and xiv) ER 2013 [c46].
- Best paper** Two conference papers received a **best paper award**: i) RE'21 Industrial Innovation [c10], ii) RCIS 2015 [c37].
- Teaching** Four of my courses received a total of six **teaching quality awards** within the courses offered by the department in a given term: Requirements Engineering (2018–2019), Information Security (2016–2017 and 2020–2021), Serious Gaming Seminar (2013–2014 and 2015–2016), and Game Production (2013–2014).
- Invited talks** I personally gave six invited talks: i) Intl. Conference on Research Challenges in Information Science (RCIS 2024); ii) Workshop on Engineering Requirements (WER 2024); iii) Workshop on Natural Language Processing for Requirements Engineering (NLP4RE 2023); iv) International Workshop on Artificial Intelligence & Requirements Engineering (AIRE 2022); v) International Workshop on Crowd-based Requirements Engineering (CrowdRE 2021); and vi) International Workshop for Natural Language Processing Advancements for Software Engineering (NLPaSE 2020).
- Also, my research was presented by co-authors in three other invited talks: i) Asia-Pacific Conference on Conceptual Modelling (APCCM 2014) [i2]; ii) IEEE International Conference on Research Challenges in Information Science (RCIS 2013) [i7]; and iii) iStar 2016 Workshop.
- Students** The PhD thesis by Garm Lucassen received a PhD thesis award in 2018 from VERSEN - the Dutch National Association for Software Engineering.
- RE@40** Personal invitation to the RE@40 Seminar: Forty Years of Requirements Engineering—Looking Forward and Looking Back—organized by Marting Glinz, Xavier Franch, Roel Wieringa—held in Kappel am Albis, Switzerland, 2017.
- Service** Associate editor of the BISE Journal and of the RE Journal. Best PC member at AAMAS 2020 (3 awardees out of 318 PC members). Distinguished PC member at ICSE'24, ICSE'21, ICSE'22 NIER, RE'19, and BESC'20. Distinguished Reviewers Board of ACM TOSEM and ACM TAAS.

Supervision

PhD Students

- 4/2024– **Delina Ly**, *Utrecht University*, Netherlands, Business Insights in Software Engineering via Artificial Intelligence.
Promotor with Sjaak Brinkkemper, co-promotor Başak Aydemir.
Expected graduation: 2028
- 1/2024– **Claudio Lazo**, *Utrecht University*, Netherlands, AI-aided Systems Innovation: Towards an improved practice of tackling complex societal problems.
Promotor with Peter Werkhoven, co-promotor Angela Greco.
Expected graduation: 2028
- 5/2023– **Ashley T. van Can**, *Utrecht University*, Netherlands, Automated model generation from requirements in agile development.
Promotor with Tanja Vos.
Expected graduation: 2027

- 3/2023– **Andrea Wohlgemuth**, *Utrecht University*, Netherlands, Efficient combination of AI tools and human tasks in RE for multi-component solutions.
Promotor, co-promotor Erik Kamsties.
Expected graduation: 2028
- 3/2020– **Tjerk Spijkman**, *Utrecht University*, Netherlands, Identifying and Extracting Requirements from Requirements Elicitation Sessions.
Promotor with Sjaak Brinkkemper.
Expected graduation: 2025
- 10/2019– **Sabine Molenaar**, *Utrecht University*, Netherlands, Requirements Engineering for Software Architecture.
Promotor with Sjaak Brinkkemper.
Expected graduation: 2025
- 9/2018– **Eduard C. Groen**, *Utrecht University*, Netherlands, Crowd-based Requirements Engineering.
Promotor with Sjaak Brinkkemper, co-promotor Jörg Dörr.
Expected graduation: 2025
- 1/2017– **Davide Dell’Anna**, *Utrecht University*, Netherlands, Data-Driven Supervision of Autonomous
3/2021 Systems.
Co-promotor, promotors: Mehdi Dastani and Sjaak Brinkkemper.
Graduation date: March 10, 2021
- 9/2014– **Garm Lucassen**, *Utrecht University*, Netherlands, Understanding User Stories: Computational
11/2017 Linguistics in Agile Requirements Engineering .
Co-promotor, promotor: Sjaak Brinkkemper.
Graduation date: November 30, 2017
- 9/2013– **Kevin Vlaanderen**, *Utrecht University*, Netherlands, Supporting Process Improvement using
10/2014 Method Increments.
Co-promotor, promotor: Sjaak Brinkkemper.
Graduation date: December 11, 2014
- 11/2010– **Elda Paja**, *University of Trento*, Italy, STS: A Security Requirements Engineering Methodology
5/2014 for Socio-Technical Systems.
Unofficial co-promotor, promotor: Paolo Giorgini.
Graduation date: May 2021
- Postdoctoral Research Associates**
- 5/2016– **Fatma Başak Aydemir**, *Utrecht University*, Netherlands.
8/2018 Research related to the PACAS H2020 project and to automated requirements engineering.

Research Projects

Funded Projects

- AUTOLINK** Automated Unobtrusive Techniques for LINKing requirements and testing in agile software development—funded by NWO TTW under the **Open Technology Programme** scheme, 272k€ awarded to Utrecht University, overall budget 691k€. AUTOLINK builds and experiments with automated software tools that (i) establish a set of trace links between requirements and software, via natural language processing; (ii) enable the effortless testing of requirements, through automated scriptless testing; and (iii) increase the value over time by improving trace link accuracy and test effectiveness, via machine learning (2022–2026).
- PACAS** Participatory Architectural Change Management in Air Traffic Management (ATM) Systems—funded by the European Commission under the **Horizon 2020** scheme, 247k€ awarded to Utrecht University, overall budget 1M€—about the participatory architectural evolution of ATM systems. The project delivers a change management process where stakeholders actively participate in the architectural evolution of ATM systems, based on (i) domain-specific modeling languages to; (ii) impact propagation techniques; (iii) gamification to foster collaboration (2016–2018).

Participation

- BIN Business Intelligence Network (NSERC Canada), devising a modeling language for strategic business models (2012–2013).
- Aniketos Ensuring Trustworthiness and Security in Service Composition (EU FP7), design of the STS-ml language for the design of secure and trustworthy service compositions (2010–2013).
- Lucretius Foundations for Software Evolution (ERC Advanced Investigator Grant awarded by Prof. John Mylopoulos), the Azzurra executable modeling language for business processes (2011–2013).
- MEnSA Methodologies for the Engineering of complex software Systems: Agent-based approach (Italian Ministry for Education, University, and Research), construction of an integrated agent-oriented software engineering method for developing complex software systems (2007–2008).
- SERENITY System Engineering for Security and Dependability (EU FP6), work related to the Secure Tropos modeling language (2006–2009).

Tools

My research often leads to software tool prototypes that are developed by me and by my students. Many of these tools are available online and open source.

- LCDTrace A trace link recovery tool between JIRA issues and model changes from a Mendix SVN [c6, j7]. Lead developer: Randell Rasiman. URL: <https://github.com/RELabUU/LCDTrace>
- RE-SWOT A dashboard that helps find requirements from similar apps in the market [c20]. Lead developer: Micaela Parente. URL: <https://github.com/RELabUU/RE-SWOT>
- BakeRE An educational serious game that helps learn user stories and acceptance criteria through a mobile phone game [c18]. Lead developer: Merle Delen. URL: <https://github.com/YinUkume/BakeRE>
- REVV-Light An information visualization tool for detecting terminological ambiguity in user stories [c23, j17]. Lead developer: Ivor van der Schalk. URL: <https://github.com/RELabUU/revv-light>
- Interactive Narrator Information visualization techniques for user stories [c32] starting from the outputs of the Visual Narrator. Lead developer: Govert-Jan Slob. URL: <https://github.com/Gionimo/InteractiveNarrator>
- Visual Narrator Extracts conceptual models from user story requirements, based on NLP heuristics [c29]. Lead developer: Marcel Robeer. URL: <https://github.com/MarcelRobeer/VisualNarrator>
- AQUSA The Automatic Quality User Story Artisan tool uses NLP to identify flaws in the linguistic structure of user story requirements. Lead developer: Garm Lucassen. URL: <https://github.com/gglucass/AQUSA>. I then turned AQUSA into a command-line version too, URL: <https://github.com/RELabUU/aqusa-core>
- STS-Tool Support tool for security requirements modeling and automated reasoning with the STS-ml language [w31, w29, b4]. Lead developer: Mauro Poggianella. URL: <https://www.sts-tool.eu>
- BIM-Tool Modeling and reasoning tool for the Business Intelligence Model (BIM) language, which supports “what-if” and “is it possible?” based on a Datalog encoding. URL: www.cs.toronto.edu/~jm/bim
- FM-Context Support tool for modeling and automated analysis of contextual feature models [c50]. Reasoning used a disjunctive Datalog reasoner. URL: <https://bit.ly/2TBOe1z>
- GCAdept Simulator for requirements-driven adaptive agents based on the goals & commitments approach [c53]. GCAdept makes use of a SAT-based automated solver. URL: <https://bit.ly/3cZQibk>

Education

Management

- Program Leader Strategic guidance of the Master's in Business Informatics at Utrecht University, circa 60 students per year (2020–now)
- Thesis Coordinator Supporting staff and students of the Master's in Business Informatics at Utrecht University before and during the thesis projects (2014–2019)

Teaching

- Coordinator & Lecturer **Requirements Engineering**, Utrecht University, Master's in Business Informatics, 40–60 students. This course teaches basics and state-of-the-art techniques in requirements engineering (2017–2018 till now)
- Coordinator & Lecturer **Method Engineering**, Utrecht University, Master's in Business Informatics, 60–70 students. This course teaches basics and state-of-the-art techniques in method engineering (2022–2023 till now)
- Coordinator & Lecturer **Game Production**, Utrecht University, Master's in Business Informatics and Game & Media Technology, 30–50 students. This course presents the list of activities, methods, models, and tools to support the production of videogames (2013 through 2016)
- Coordinator & Lecturer **Information Security**, Utrecht University, Bachelor in Information Science, 100–120 students. This course teaches the fundamentals of information security and presents the use of modeling languages for designing of secure socio-technical systems (2015–2016, 2016–2017 ☆, 2019–2020, 2020–2021 ☆, 2021–2022)
- Coordinator & Lecturer **Serious Gaming Seminar**, Utrecht University, Master's in Business Informatics, 15–30 students. This course introduces the notion of serious games and lets the students conduct research in the field by choosing a domain or a topic of choice (2013–2014 ☆, 2014–2015, 2015–2016 ☆)
- Coordinator & Lecturer **Organizations & ICT**, Utrecht University, Bachelor in Information Science, 100–120 students. This course introduces principles and techniques that help adequately employing information and communication technology within organizations (2013–2014, 2014–2015, 2018–2019)
- Coordinator & Lecturer **Business Informatics Summer School**, Utrecht University, Master's in Business Informatics. Course offered to a limited number of students who conducted research on smart cities, with a field study in Seoul and Songdo, Korea (2013–2014)
- Lecturer & TA **Organizational Information Systems**, University of Trento, Master in Computer Science, coordinator John Mylopoulos. This course presents the main techniques for modeling organizations and gives the foundations for designing information systems. I was responsible for the labs in 2009–2010, and I have taught most of the course (3/4 of the lectures) in (2010–2011, 2011–2012)
- TA **Agent-Oriented Software Engineering**, University of Trento, Master's in Computer Science, taught by Prof. Paolo Giorgini. This course introduces the agent-oriented paradigm applied to software engineering. Labs coordinator (2008–2009, 2009–2010)

Thesis Supervision

I supervised 50+ successful MSc students and some BSc students as first supervisor. These projects led to several publications, including Fabiano Francesconi [c47, c39], Remco Snijders [w16, w12, i1], Michal Korenko [w11], Rick Barneveld [c38], Bill Roungas [c34], Philipp Lombriser [c28], Marcel Robeer [c29], Jan Strien [c33], Daniel Alami [c25], Ivor van der Schalk [c23, j17], Micaela Parente [c20], Merle Delen [c18], Martijn van Vliet [c16], Jasper Berends [c9], Jelle Wouters [c10], Randell Rasiman [c6], Wouter van Oosten [j7].

Involvement in Scientific Events

PC Chair

- RE 2023 31st IEEE International Requirements Engineering Conference, Hannover, Germany, September 4–September 8, 2023.
- REFSQ 2021 27th International Working Conference on Requirements Engineering: Foundation for Software Quality, Essen, April 12–15, 2021.
- RCIS 2020 14th International Conference on Research Challenges in Information Science, Cyprus, September 23–25, 2020.
- SAC:RE 2017 Requirements Engineering Track at the 32nd ACM Symposium on Applied Computing, Marrakech, Morocco, April 3–7, 2017.

Conference Organization

REFSQ 2018 Organization Chair of the 24th International Working Conference on Requirements Engineering: Foundation for Software Quality, Utrecht, Netherlands, March 19-22, 2018.

Other Conference Roles

- CAiSE 2023 Tutorial Chair of the 35th International Conference on Advanced Information Systems Engineering, Zaragoza, Spain, June 12–June 16, 2023.
- REFSQ 2023 Doctoral Symposium Chair of the 29th International Working Conference on Requirements Engineering: Foundation for Software Quality, Barcelona, Spain, April 17-20, 2023.
- RE 2021 Chair of the RE@Next! Track of the 29th IEEE International Requirements Engineering Conference, Notre Dame, Indiana, United States, September 20–September 24, 2021.
- RE 2020 Artifacts Evaluation Chair of the 28th IEEE International Requirements Engineering Conference, Zurich, Switzerland, August 31–September 4, 2020.
- RE 2019 Proceedings Chair of the 27th IEEE International Requirements Engineering Conference, Jeju Island, South Korea, September 23-27, 2019.
- RE 2018 Communication and Media Chair of the 26th IEEE International Requirements Engineering Conference, Banff, Canada, August 20-24, 2018.
- REFSQ 2017 Posters and Tools Chair of the 23rd International Working Conference on Requirements Engineering: Foundation for Software Quality, Essen, Germany, February 27, 2017.
- RCIS 2016 Doctoral Consortium Chair of the 10th International Conference on Research Challenges in Information Science, Grenoble, France, June 1–3, 2016.

Workshop Organization

- AgileRE'24 1st International Workshop on on Agile Requirements Engineering, co-located with REFSQ'24, Winterthur, Switzerland, April 8, 2024.
- NLP4RE'22 5th International Workshop on Natural Language Processing for Requirements Engineering, co-located with REFSQ'22, Aston, Birmingham, United Kingdom, March 21, 2022.
- Agil-ISE'22 1st International Workshop on on Agile Methods for Information Systems Engineering, co-located with CAiSE'22, Leuven, Belgium, June 6, 2022.
- REthics'20 1st Workshop on Ethics in Requirements Engineering Research and Practice, co-located with RE'20, Zurich, Switzerland, August 31, 2020.
- NLP4RE'20 3rd International Workshop on Natural Language Processing for Requirements Engineering, co-located with REFSQ'20, Pisa, Italy, June 22, 2020.
- AIRE'19 6th International Workshop on Artificial Intelligence for Requirements Engineering, co-located with IEEE RE, Jeju, South Korea, September 24, 2019.
- NLP4RE'19 2nd International Workshop on Natural Language Processing for Requirements Engineering, co-located with REFSQ'19, Essen, Germany, March 18, 2019.
- NLP4RE'18 1st International Workshop on Natural Language Processing for Requirements Engineering, co-located with REFSQ'18, Utrecht, Netherlands, March 19, 2018.
- AIRE'17 4th International Workshop on Artificial Intelligence for Requirements Engineering, co-located with IEEE RE'17, Lisbon, Portugal, September 5, 2017.
- AIRE'16 3rd International Workshop on Artificial Intelligence for Requirements Engineering, co-located with IEEE RE'16, Beijing, China, September 12, 2016.
- EMAS 2014 2nd International Workshop on Engineering Multi-Agent Systems, co-located with AAMAS 2014, Paris, France, May 5–6, 2014.
- iStar'14 7th International i* Workshop, co-located with CAiSE'14, Thessaloniki, Greece, June 16–17, 2014.
- RESC'11 1st International Workshop on Requirements Engineering for Social Computing, co-located with IEEE RE'11, Trento, Italy, August 29, 2011.

Steering Committee

- IEEE RE Steering Committee Member of the International Requirements Engineering Conference, 2022-2027.
- REFSQ Steering Committee Member of the International Working Conference on Requirements Engineering: Foundation for Software Quality, 2018-2019, 2020-2024. SC vice-chair between 2021 and 2024; SC chair from 2024.
- AIRE Steering Committee Member of the International Workshop on Artificial Intelligence for Requirements Engineering, 2017-2021.

Program Committee (selected)

- RE International Requirements Engineering Conference: 2018, 2019 ☆, 2020, 2022. New ideas track of RE (RE@Next!): 2016–2017.
- CAiSE International Conference on Advanced Information Systems Engineering: 2012–2016, 2019–2023.
- ICSE International Conference on Software Engineering: 2021 ☆, 2024 ☆. New ideas track of ICSE (NIER): 2022 ☆.
- AAMAS International Joint Conference on Autonomous Agents and Multi-agent Systems: 2015–2016, 2018–2019, 2020 ☆.
- IJCAI International Joint Conference on Artificial Intelligence: 2021.
- REFSQ International Working Conference on Requirements Engineering: Foundation for Software Quality: 2017, 2019–2020, 2022–2025.
- ER International Conference on Information Systems Development (Information Systems Modelling track): 2023.
- CAIN International Conference on AI Engineering – Software Engineering for AI: 2022–2023.
- IJCAI International Joint Conference on Artificial Intelligence: 2021.
- MODELS International Conference on Model Driven Engineering Languages and Systems, Foundations Track: 2015–2016.
- ESEM Emerging Results and Vision Papers track of the International Symposium on Empirical Software Engineering and Measurement: 2018–2020
- RCIS International Conference on Research Challenges in Information Science: 2012–2014, 2016–2017, 2021–2022, 2025.
- SEAMS International Symposium on Software Engineering for Adaptive and Self-Managing Systems: 2013.
- ACM SAC Requirements Engineering Track of the ACM Symposium on Applied Computing: 2018–2022, 2025.

Program Committee (other)

- Conferences & Symposia International Conference on Behavioural and Social Computing (BESC): 2020; Symposium on Conceptual Modeling Education (SCME): 2016; IEEE Symposium on Software Crowdsourcing (ISSC): 2015; Symposium and Bootcamp on the Science of Security (HotSoS): 2014; International Conference on Pervasive Technologies (PERVASIVE): 2021; Conference on Fundamentals of Software Engineering (FSEN): 2015; Conference on Agents and Artificial Intelligence (ICAART): 2013–2014; IEEE International Conference on Mobile Services (MS): 2013; Conference on Knowledge Engineering and Ontology Development (KEOD): 2012–2013; Forum of the International Conference on Advanced Information Systems Engineering (CAiSE Forum): 2013–2014 .

Workshops Workshop on Multi-disciplinary, Open, and RElevant Requirements Engineering (MO2RE@ICSE): 2024; Workshop on Software and Systems Traceability Workshop (SST@RE): 2023; Workshop on Natural Language-based Software Engineering (NLbSE@ICSE): 2023; Workshop on Natural Language Processing for Business Process Management (NLP4BPM@BPM): 2023; Workshop on Ethics and Morality in Business Informatics (EMoBI@CAiSE): 2021–2022; Workshop on Recruiting Participants for Empirical Software Engineering (RoPES'22@ICSE): 2022; Workshop on Engineering Multi-Agent Systems: 2014–2016, 2018–2019, 2023 (EMAS@AAMAS); Workshop on Modeling in Software Engineering (MISE@ICSE): 2015–2018; Workshop on Artificial Intelligence for Requirements Engineering (AIRE@RE): 2016–2024; Workshop on Requirements Engineering for Artificial Intelligence (RE4AI@REFSQ): 2020, 2022; Workshop on Games and Software Engineering (GAS@ICSE): 2016, 2022, 2023; Workshop on Affective Computing for Requirements Engineering (AffectRE@RE): 2018, 2020, 2021; Workshop on Empirical Requirements Engineering (EmpiRE@RE): 2017–2018, 2023; Workshop on Conceptual Modeling in Requirements and Business Analysis (MReBA@ER): 2014–2019; Workshop on Crowd-Based Requirements Engineering (CrowdRE@RE): 2015, 2017–2021; Workshop on Creativity in Requirements Engineering (CreaRE@REFSQ): 2018–2020, 2024; Workshop on Requirements Engineering for Self-Adaptive and Cyber Physical Systems (RESACS): 2015, 2018; Workshop on Requirements for the Internet of Things (RIOT@RE): 2018; Workshop on Multiagent Foundations of Social Computing (SC-AAMAS): 2014–2015; iStar Teaching Workshop (iStarT@ER): 2015, 2017; International i* Workshop (iStar): 2011–2023; Workshop on Requirements, Intentions and Goals in Conceptual Modeling (RIGiM@ER): 2012–2013; Workshop on Requirements@run.time (RRT@RE): 2012; Workshop on Social Software Engineering (SSE@FSE): 2011–2015.

Tutorials in Conferences

- RE'21 Agile Requirements Engineering: From User Stories to Software Architectures. Tutorial given with Sjaak Brinkkemper at the 28th IEEE International Requirements Engineering Conference, Online, 2021
- RE'18 Agile Requirements Engineering with User Stories. Tutorial given with Sjaak Brinkkemper at the 25th IEEE International Requirements Engineering Conference, Banff, Alberta, Canada, August 20, 2018
- CAiSE'18 Creating quality user stories to generate conceptual models. Tutorial given with Sjaak Brinkkemper and Garm Lucassen at the 30th International Conference on Information Systems Engineering, Tallin, Estonia, June 13, 2018
- ER 2016 iStar 2.0: A Guided Tour. Tutorial given with Xavier Franch and Jennifer Horkoff at the 35th International Conference on Conceptual Modeling, Gifu, Japan, November 14, 2017
- RE'16 Security Requirements Engineering. Tutorial given with Mattia Salnitri, Elda Paja, and Paolo Giorgini at the 24th IEEE International Requirements Engineering Conference, Beijing, China, September 13, 2016
- CAiSE'13 Security Requirements Engineering for Socio-Technical Systems. Tutorial given with Paolo Giorgini at the 25th International Conference on Information Systems Engineering, Valencia, Spain, June 19, 2013
- RE'12 Security Requirements Engineering for Socio-Technical Systems. Tutorial given at the 20th International Requirements Engineering Conference, Chicago, Illinois, United States, September 27, 2012

Involvement in Journals

Editorial Board

- BISE Journal Associate Editor of the Business & Information Systems Engineering Journal, Information Systems Engineering department, Springer, since 2021
- RE Journal Associate Editor of the Requirements Engineering Journal, Springer, since 2020. Previously, I was on the Editorial Board (2017-2019). Since 2017, I also serve as publicity chair for the journal.

Reviewer

IEEE Computer, Software, Transactions on Software Engineering

ACM Transactions on Software Eng. and Methodology (Distinguished Reviewers Board ☆), Transactions on Autonomous and Adaptive Systems (Distinguished Reviewers Board ☆), Transactions on Internet Computing

Springer Requirements Engineering, Software Quality Journal, Journal of Software Engineering Research and Development, Software and Systems Modeling

Elsevier Information Systems, Information & Software Technology, Journal of Systems and Software, Information Sciences, Information Processing Letters

Wiley Software Practice and Experience, Journal of Software Maintenance and Evolution: Research and Practice

Inderscience International Journal of Agent-Oriented Software Engineering

IGI Global International Journal of Information System Modeling and Design

IET IET Software

Taylor & Behaviour & Information Technology
Francis

World International Journal of Cooperative Information Systems
Scientific

Publications

Journal Papers

- [j1] Sabine Molenaar, Nikita van den Berg, Fabiano Dalpiaz, and Sjaak Brinkkemper. Concept definition review: A method for studying terminology in software engineering. *Information and Software Technology*, 180:107648, 2025.
- [j2] Ashley T. van Can and Fabiano Dalpiaz. Locating requirements in backlog items: Content analysis and experiments with large language models. *Information and Software Technology*, 179:107644, 2025.
- [j3] Delina Ly, Michiel Overeem, Sjaak Brinkkemper, and Fabiano Dalpiaz. The power of words in agile vs. waterfall development: Written communication in hybrid software teams. *Journal of Systems and Software*, 219:112243, 2025.
- [j4] Sallam Abualhaija, Fatma Başak Aydemir, Fabiano Dalpiaz, Davide Dell'Anna, Alessio Ferrari, Xavier Franch, and Davide Fucci. Replication in requirements engineering: the NLP for RE Case. *ACM Transactions on Software Engineering and Methodology*, 2024.
- [j5] Fabiano Dalpiaz and Jan-Philipp Steghöfer. Where requirements and agility meet: No-man's-land or a land of opportunity? *IEEE Software*, 41(3):7–10, 2024.
- [j6] Marcela Ruiz, Jin Yang Hu, and Fabiano Dalpiaz. Why don't we trace? a study on the barriers to software traceability in practice. *Requirements Engineering*, pages 1–19, 2023.
- [j7] Wouter van Oosten, Randell Rasiman, Fabiano Dalpiaz, and Toine Hurkmans. On the effectiveness of automated tracing from model changes to project issues. *Information and Software Technology*, 160:107226, 2023.
- [j8] Davide Dell'Anna, Fatma Başak Aydemir, and Fabiano Dalpiaz. Evaluating classifiers in SE research: The ECSER pipeline and two replication studies. *Empirical Software Engineering*, 2023.
- [j9] Davide Dell'Anna, Nastasha Alechina, Fabiano Dalpiaz, Mehdi Dastani, and Brian Logan. Data-driven revision of conditional norms in multi-agent systems. *Journal of Artificial Intelligence Research*, 75:85–122, 2022.
- [j10] Jelle Wouters, Abel Menkveld, Sjaak Brinkkemper, and Fabiano Dalpiaz. Crowd-based requirements elicitation via pull feedback: Method and case studies. *Requirements Engineering*, 2022.
- [j11] Tjerk Spijkman, Sabine Molenaar, Fabiano Dalpiaz, and Sjaak Brinkkemper. Alignment and granularity of requirements and architecture in agile development: A functional perspective. *Information and Software Technology*, 2021.
- [j12] Fabiano Dalpiaz, Patrizia Gieske, and Arnon Sturm. On deriving conceptual models from user requirements: An empirical study. *Information and Software Technology*, 131, 2021.
- [j13] Fabiano Dalpiaz and Nan Niu. Requirements Engineering in the Days of Artificial Intelligence. *IEEE Software*, 37(4), 2020.
- [j14] Davide Dell'Anna, Mehdi Dastani, and Fabiano Dalpiaz. Runtime revision of sanctions in normative multi-agent systems. *Autonomous Agents and Multi-Agent Systems*, 2020.
- [j15] Fabiano Dalpiaz and Kendra M.L. Cooper. Games for Requirements Engineers: Analysis and Directions. *IEEE Software*, 2020.
- [j16] Davide Dell'Anna, Fabiano Dalpiaz, and Mehdi Dastani. Requirements-driven evolution of sociotechnical systems via probabilistic reasoning and hill climbing. *Automated Software Engineering*, 2019.

- [j17] Fabiano Dalpiaz, Ivor van der Schalk, Sjaak Brinkkemper, Fatma Başak Aydemir, and Garm Lucassen. Detecting Terminological Ambiguity in User Stories: Tool and Experimentation. *Information & Software Technology*, 2019.
- [j18] Fabiano Dalpiaz, Alessio Ferrari, Xavier Franch, and Cristina Palomares. Natural Language Processing for Requirements Engineering: The Best Is Yet to Come. *IEEE Software*, 2018.
- [j19] Estefanía Serral, Paolo Sernani, and Fabiano Dalpiaz. Personalized adaptation in pervasive systems via non-functional requirements. *Journal of Ambient Intelligence and Humanized Computing*, 2017.
- [j20] Garm Lucassen, Marcel Robeer, Fabiano Dalpiaz, Jan Martijn E.M. van der Werf, and Sjaak Brinkkemper. Extracting conceptual models from user stories with visual narrator. *Requirements Engineering*, 22(3):339–358, 2017.
- [j21] Eduard C. Groen, Norbert Seyff, Raian Ali, Fabiano Dalpiaz, Joerg Doerr, Emitza Guzman, Mahmood Hosseini, Jordi Marco, Marc Oriol, Anna Perini, and Melanie Stade. The Crowd in Requirements Engineering: The Landscape and Challenges. *IEEE Software*, 34(2):44–52, 2017.
- [j22] Garm Lucassen, Fabiano Dalpiaz, Jan Martijn E.M. van der Werf, and Sjaak Brinkkemper. Improving Agile Requirements: the Quality User Story Framework and Tool. *Requirements Engineering*, 21(3):383–403, 2016.
- [j23] Mattia Salnitri, Fabiano Dalpiaz, and Paolo Giorgini. Designing Secure Business Processes with SecBPMN. *Software and Systems Modeling*, 16(3):737–757, 2017.
- [j24] Elda Paja, Fabiano Dalpiaz, and Paolo Giorgini. Modelling and Reasoning about Security Requirements in Socio-Technical Systems. *Data and Knowledge Engineering*, 98:123–143, 2015.
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The contacts of referees will be provided upon request.

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