



Fabiano Pecorelli

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🎓 <https://scholar.google.com/citations?hl=it&user=HVvH1tYAAAAJ>

JOB POSITIONS

Associate Professor

Dipartimento di Scienze e Tecnologie dell'Informazione

Jun 2024 - current

Università Telematica Pegaso, Italy

Postdoctoral Researcher

Dipartimento di Informatica

Jan 2024 - Jun 2024

Università degli Studi di Salerno, Italy

Postdoctoral Researcher

Theronimus Academy of Data Science

Oct 2022 - Dec 2023

JADS - Eindhoven University of Technology, the Netherlands

Postdoctoral Researcher

CloudSea.AI research group

Nov 2021 - Oct 2022

Tampere University, Finland

QUALIFICATIONS AND LICENCES

Italian Scientific Qualification (ASN) as Associate Professor

Sector 01/B1 - Informatica

2023

Italian Scientific Qualification (ASN) as Associate Professor

Sector 09/H1 - Sistemi di Elaborazione delle Informazioni

2023

EDUCATION

Degree of European Doctor of Philosophy (Ph.D.) in Computer Science

magna cum laude, Advisor: Prof. Andrea De Lucia

2022

University of Salerno, Italy

Master's Degree (MSc) in Computer Science

110/110 magna cum laude, Advisor: Prof. Filomena Ferrucci

2018

University of Salerno, Italy

Bachelor's Degree (BSc) in Computer Science

110/110 magna cum laude, Advisor: Prof. Andrea De Lucia

2016

University of Salerno, Italy

RESEARCH INTERNSHIPS

Visiting PhD Student at University of Zurich (UZH), Switzerland

5 Months as Visiting PhD Student. The research conducted in this period, resulted in the publication of [J3]

2019

Visiting Master Student at University College of London (UCL), United Kingdom

5 Months as Erasmus Student working on my Master's Thesis under the supervision of Prof. Federica Sarro

2018

TEACHING

Course Coordinator & Lecturer - Software Engineering <i>Bachelor's degree in Computer Science, Pegaso University, Italy</i> <i>The course consists of 96 hours of lectures (12 ECTS).</i>	2024
Course Coordinator & Lecturer - Distributed Programming <i>Bachelor's degree in Computer Science, Pegaso University, Italy</i> <i>The course consists of 96 hours of lectures (12 ECTS).</i>	2024
Lecturer - Metodi Matematici per l'Informatica <i>Bachelor's degree in Computer Science, University of Salerno, Italy</i> <i>The course consists of 48 hours of lectures (6 ECTS). I was responsible for 24 hours out of the total.</i>	2024
Lecturer - Data Mining <i>Master's degree in Data Science in Business and Entrepreneurship, JADS, the Netherlands</i> <i>The course consists of 60 hours of lectures (6 ECTS). I was responsible for 20 hours out of the total.</i>	2023
Lecturer - Real-Life Machine Learning <i>Tilburg School of Economics and Management (TiSEM), Tilburg University, the Netherlands</i> <i>The course consists of 60 hours of lectures (6 ECTS). I was responsible for 30 hours out of the total.</i>	2023
Lecturer - Introduction to Machine Learning <i>Master's degree in Data Science in Business and Entrepreneurship, JADS, the Netherlands</i> <i>The course consists of 60 hours of lectures (6 ECTS). I was responsible for 30 hours out of the total.</i>	2023
Teaching Assistant - Academic Writing and Publishing <i>Ph.D. degree, Tampere University, Finland</i> <i>Evaluation of students' periodic assignments and final reports.</i>	2022
Lecturer - Programming 3 <i>Bachelor's degree in Computer Science, Tampere University, Finland</i> <i>The course consists of 50 hours of lectures (5 ECTS). I was responsible for 20 hours out of the total.</i>	Spring & Fall 2022
Lecturer - Continuous Development and Deployment (DevOps) <i>Master's degree in Software Engineering, Tampere University, Finland</i> <i>The course consists of 50 hours of lectures (5 ECTS). I was responsible for 16 hours out of the total.</i>	2022
Teaching Assistant - Software Dependability <i>Master's degree in Software Engineering, University of Salerno, Italy</i> <i>Evaluation of students' final reports and participation in the examination committee.</i>	2021
Teaching Assistant - Software Engineering II: Maintenance and Evolution <i>Master's degree in Software Engineering, University of Salerno, Italy</i> <i>Evaluation of students' projects and participation in the examination committee.</i>	2021
Teaching Assistant - Software Engineering <i>Bachelor's degree in Computer Science, University of Salerno, Italy</i> <i>Evaluation of students' final reports, and participating in the examination committee.</i>	2021
Teaching Assistant - Software Dependability <i>Master's degree in Software Engineering, University of Salerno, Italy</i> <i>Evaluation of students' final reports and participation in the examination committee.</i>	2020

- Teaching Assistant - Software Engineering II: Maintenance and Evolution** **2020**
Master's degree in Software Engineering, University of Salerno, Italy
Evaluation of students' final reports and participation in the examination committee.
- Teaching Assistant - Software Engineering** **2020**
Bachelor's degree in Computer Science, University of Salerno, Italy
Evaluation of students' final reports, and participating in the examination committee.
- Teaching Assistant - Programming and Data Structures** **2020**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 30 hours in the context of the action "Help Teaching". My responsibilities consisted of providing students with support and tutoring activities.
- Teaching Assistant - Programming Languages** **2020**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 30 hours in the context of the action "Help Teaching". My responsibilities consisted of providing students with support and tutoring activities.
- Teaching Assistant - Software Dependability** **2019**
Master's degree in Software Engineering, University of Salerno, Italy
Evaluation of students' final reports and participation in the examination committee.
- Teaching Assistant - Software Engineering II: Maintenance and Evolution** **2019**
Master's degree in Software Engineering, University of Salerno, Italy
Evaluation of students' final reports and participation in the examination committee.
- Teaching Assistant - Software Engineering** **2019**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 30 hours in the context of the action "Help Teaching". My responsibilities consisted of providing support and tutoring activities, evaluating students' final reports, and participating in the examination committee.
- Teaching Assistant - Object Oriented Programming** **2019**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 40 hours in the context of the action "Help Teaching". My responsibilities consisted of providing students with support and tutoring activities.
- Teaching Assistant - Software Engineering II: Maintenance and Evolution** **2018**
Master's degree in Software Engineering, University of Salerno, Italy
Evaluation of students' final reports and participation in the examination committee.
- Teaching Assistant - Software Engineering** **2018**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 30 hours in the context of the action "Help Teaching". My responsibilities consisted of providing support and tutoring activities, evaluating students' final reports, and participating in the examination committee.
- Teaching Assistant - Object Oriented Programming** **2017**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 20 hours in the context of the action "Help Teaching". My responsibilities consisted of providing students with support and tutoring activities.
- Teaching Assistant - Programming Languages** **2017**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 40 hours in the context of the action "Help Teaching". My responsibilities consisted of providing students with support and tutoring activities.

Teaching Assistant - Programming Languages **2017**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 20 hours in the context of the action "Help Teaching". My responsibilities consisted of providing students with support and tutoring activities.

Teaching Assistant - Programming and Data Structures **2016**
Bachelor's degree in Computer Science, University of Salerno, Italy
Work contract of 20 hours in the context of the action "Help Teaching". My responsibilities consisted of providing students with support and tutoring activities.

Projects Participations

QUASAR **2024**
University of Salerno

Work Package Leader in the context of the PRIN (Progetti di Ricerca di Rilevante Interesse Nazionale) project "QUASAR" (QUAntum software engineering for Secure, Affordable, and Reliable systems). The project goal is to develop novel methods and instruments that enable quantum software engineering, targeting three key aspects connected to the architecture, quality, and reliability of Quantum Based Systems (QBSs). As Work Package Leader for WP3, my responsibilities include: (i) the definition of a catalogue of maintainability and security concerns for QBSs and connected metrics, (ii) the definition of automated maintainability issue detection and refactoring techniques for quantum-based software systems, and (iii) the definition of automated vulnerability detection and removal techniques for QBSs.

Horizon Europe ONCOSCREEN **2023**
Jheronimus Academy of Data Science

Unit Leader / Work Package Leader in the context of the Horizon Europe project "ONCOSCREEN", financed by the Horizon Europe framework programme with grant agreement n° 101097036. The project goal is to provide support for the prevention and the diagnosis of Colorectal Cancer (CRC) relying on a set of novel, practical, and low-cost screening technologies with high sensitivity and specificity. The consortium is made of medical and technical partners. My responsibilities included: (i) Unit Leader: managing and coordinating all tasks under responsibility of Jheronimus Academy of Data Science, (ii) Work Package Leader for WP4, and (iii) Task Leader for tasks 2.2, 5.4, and 5.5 belonging to WP2 and WP5.

H2020 DESTINI **2022 - 2023**
Jheronimus Academy of Data Science

Unit Leader / Work Package Leader in the context of the H2020 project "DESTINI", financed by the European Commission with grant agreement n° 857420. The project goal is to provide support and coordination to promote research on Smart Data. My responsibilities included: (i) Unit Leader: managing and coordinating all tasks under responsibility of Jheronimus Academy of Data Science, (ii) Work Package Leader for WP3, and (iii) Task Leader for tasks 5.1, 5.5 e 6.6 belonging to WP5 and WP6.

React-EU Smart City Monitor **2022 - 2023**
Jheronimus Academy of Data Science

Participation in the the React-EU project "Smart City Monitor", financed by the European Union. The project aims to support the development of a digital twin smart city project in the Netherlands. My responsibilities include data analysis, and AI models development and experimentation in the context of Work Package 2.

Participation in Research Groups

SeSa Lab - Software Engineering Salerno

2018 - current

University of Salerno, Italy

Participation in the research activities of the research group “SeSaLab - Software Engineering Salerno”, University of Salerno (Italy), where I currently work as postdoctoral researcher. My research activities at SeSa Lab involve several Software Engineering areas such as Software Maintenance and Evolution, Software Testing, Social Software Engineering, and Quantum Software Engineering. My collaboration with the SeSaLab already resulted in many publications (e.g., [J3, J4, J8, J13]) and several other ongoing works.

JADE Lab - Jheronimus Academy of Data Engineering Lab

2022 - current

Jheronimus Academy of Data Science, the Netherlands

Participation in the research activities of the research group “JADE Lab - Jheronimus Academy of Data Engineering Lab”, Jheronimus Academy of Data Science (JADS) & Eindhoven University of Technology (the Netherlands), where I spent one year as a postdoctoral researcher. During this period, I have had the opportunity of working on several National and European projects.

CloudSEA.AI – Cloud, Software Eng., Evolution, and Assessment with AI

2021 - current

University of Tampere, Finland

Participation in the research activities of the research group “CloudSEA.AI – Cloud, Software Engineering, Evolution, and Assessment with AI”, University of Tampere (Finland), where I spent one year as a researcher (converted to postdoctoral researcher after getting my Ph.D. in March 2022). During this period, I conducted several research activities including defining new trends in Cloud Computing [C20, J9], assessing open-source systems sustainability [J7], and studying applications of Automatic Static Analysis Tools (ASATs) [C12, J6, J10].

ZEST - Zurich Empirical Software engineering Team

March - July 2019

University of Zurich, Switzerland

Participation in the research activities of the research group “ZEST - Zurich Empirical Software Engineering Team”, University of Zurich (Switzerland), where I spent 5 months as a visiting Ph.D. student. During this period, I have been working on the definition and the experimentation of a novel technique that enables automatic test case generation at different granularity levels. The work resulted in a Registered Report [?] and its extended version published in the Empirical Software Engineering (EMSE) Journal [J13].

CREST - UCL Centre for Research on Evolution, Search and Testing

March - July 2018

University College of London (UCL), United Kingdom

Participation in the research activities of the research group “CREST - UCL Centre for Research on Evolution, Search and Testing”, University College of London (United Kingdom), where I spent 5 months as an ERASMUS student. During this experience, I have worked on my Master’s Thesis and improved my knowledge about Search-Based Software Engineering.

PROFESSIONAL ACTIVITIES

1. Organizing Committee Participation

Program Co-Chair <i>2nd International Workshop on Empirical Studies for Quantum Software Engineering</i> <i>E-QSE 2025, Istanbul, Turkey</i>	2025
Software management: Measurement, Peopleware, and Innovation Track Co-Chair <i>50th Euromicro Conference Series on Software Engineering and Advanced Applications (SEAA)</i> <i>Euromicro SEAA 2024, Paris, France</i>	2024
Program Co-Chair <i>1st International Workshop on Empirical Studies for Quantum Software Engineering</i> <i>E-QSE 2024, Salerno, Italy</i>	2024
Proceedings Co-Chair <i>28th International Conference on Evaluation and Assessment in Software Engineering</i> <i>EASE 2024, Salerno, Italy</i>	2024
Proceedings Co-Chair <i>1st Workshop on AI with and for Learning Sciences: Past, Present, and Future Horizons</i> <i>WAILS 2024, Salerno, Italy</i>	2024
Tool Demo Track Co-Chair <i>31st IEEE International Conference on Software Analysis, Evolution and Reengineering</i> <i>SANER 2024, Rovaniemi, Finland</i>	2024
Program Co-Chair <i>2nd International Workshop on Quantum Programming for Software Engineering</i> <i>QP4SE 2023, Virtual</i>	2023
Software management: Measurement, Peopleware, and Innovation Track Co-Chair <i>49th Euromicro Conference Series on Software Engineering and Advanced Applications (SEAA)</i> <i>Euromicro SEAA 2023, Durres, Albania</i>	2023
Poster Track Co-Chair <i>23rd International Conference on Product-Focused Software Process Improvement</i> <i>Profes 2022, Jyväskylä, Finland</i>	2022
Program Co-Chair <i>1st International Workshop on Quantum Programming for Software Engineering</i> <i>QP4SE 2022, Virtual</i>	2022
Virtualization Chair <i>5th International Conference on Technical Debt</i> <i>TechDebt 2022, Virtual</i>	2022
Web Chair <i>29th IEEE/ACM International Conference on Program Comprehension</i> <i>ICPC 2021, Virtual</i>	2021
Web Chair <i>28th edition of the IEEE International Conference on Software Analysis, Evolution and Reengineering</i> <i>SANER 2021, Virtual</i>	2021

2. Program Committee Participation

Program Committee Member of IVR track <i>2025 International Conference on the Foundations of Software Engineering (FSE)</i> <i>FSE 2025, Trondheim, Norway</i>	2025
Program Committee Member of NIER track <i>23rd IEEE International Working Conference on Source Code Analysis and Manipulation</i> <i>SCAM 2023, Bogotá, Colombia</i>	2023
Program Committee Member <i>19th International Conference on Predictive Models and Data Analytics in Software Engineering</i> <i>PROMISE 2023, San Francisco, United States</i>	2023
Program Committee Member of Registered Reports track <i>17th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement</i> <i>ESEM 2023, New Orleans, United States</i>	2023
Program Committee Member of ERA track <i>31st IEEE/ACM International Conference on Program Comprehension</i> <i>ICPC 2023, Melbourne, Australia</i>	2023
Program Committee Member of Registered Reports track <i>38th IEEE International Conference on Software Maintenance and Evolution</i> <i>ICSME 2022, Limassol, Cyprus</i>	2022
Program Committee Member of Registered Reports track <i>16th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement</i> <i>ESEM 2022, Helsinki, Finland</i>	2022
Program Committee Member of NIER track <i>22nd IEEE International Working Conference on Source Code Analysis and Manipulation</i> <i>SCAM 2022, Limassol, Cyprus</i>	2022
Program Committee Member of RENE/NIER track <i>14th Symposium on Search-Based Software Engineering</i> <i>SSBSE 2022, Singapore</i>	2022
Program Committee Member of NIER track <i>37th IEEE/ACM International Conference on Automated Software Engineering</i> <i>ASE 2022, Ann Arbor, Michigan, United States</i>	2022
Program Committee Member of NIER track <i>9th IEEE/ACM International Conference on Mobile Software Engineering and Systems</i> <i>MobileSoft 2022, Pittsburgh, Pennsylvania, United States</i>	2022
Program Committee Member of Tool Demo track <i>29th IEEE/ACM International Conference on Program Comprehension</i> <i>ICPC 2021, Virtual</i>	2021

3. Journal Services

Empirical Software Engineering <i>Guest Editor - Special issue on Empirical Studies for Quantum Software Engineering</i>	2025 - current
Transactions on Software Engineering and Methodology (TOSEM) <i>Social Media Editor</i>	2023 - 2025
Science of Computer Programming <i>Guest Editor - Special issue on Quantum Programming for Software Engineering</i>	2023 - 2024
Science of Computer Programming <i>Guest Editor - Special issue on Software Quality Assurance for Artificial Intelligence</i>	2022 - 2023
Transactions on Software Engineering (TSE) <i>Reviewer</i>	2022 - current
Transactions on Software Engineering and Methodology (TOSEM) <i>Reviewer</i>	2021 - current
IEEE Software <i>Reviewer</i>	2021 - current
Empirical Software Engineering Journal (EMSE) <i>Reviewer</i>	2020 - current
Journal of Systems and Software (JSS) <i>Reviewer</i>	2020 - current
Software Quality Journal (SQJ) <i>Reviewer</i>	2020 - current
Science of Computer Programming <i>Reviewer</i>	2020 - current

Journal Publications

- [J1] Pecorelli, F., Di Nucci, D., De Roover, C., & De Lucia, A. (2020, November). A large empirical assessment of the role of data balancing in machine-learning-based code smell detection. *Journal of Systems and Software*, 169, 110693.
- [J2] Pecorelli, F., & Di Nucci, D. (2021, January). Adaptive selection of classifiers for bug prediction: A large-scale empirical analysis of its performances and a benchmark study. *Science of Computer Programming*, 205, 102611.
- [J3] Pecorelli, F., Palomba, F., & De Lucia, A. (2021, February). The Relation of Test-Related Factors to Software Quality: A Case Study on Apache Systems. *Empirical Software Engineering*, 26, 1-42.
- [J4] Pecorelli, F., Catolino, G., Ferrucci, F., De Lucia, A., & Palomba, F. (2021, December). Software testing and Android applications: a large-scale empirical study. *Empirical Software Engineering*, 27(2), 1-41.
- [J5] De Stefano, M., Iannone, E., Pecorelli, F., & Tamburri, D. A. (2022, February). Impacts of software community patterns on process and product: An empirical study. *Science of Computer Programming*, 214, 102731.
- [J6] Pecorelli, F., Lujan, S., Lenarduzzi, V., Palomba, F., & De Lucia, A. (2022, March). On the adequacy of static analysis warnings with respect to code smell prediction. *Empirical Software Engineering*, 27(3), 1-44.
- [J7] Li, X., Moreschini, S., Pecorelli, F., & Taibi, D. (2022, July). OSSARA: abandonment risk assessment for embedded open source components. *IEEE Software*, 39(04), 48-53.
- [J8] De Stefano, M., Pecorelli, F., Di Nucci, D., Palomba, F., & De Lucia, A. (2022, August). Software engineering for quantum programming: How far are we?. *Journal of Systems and Software*, 111326.
- [J9] Moreschini, S., Pecorelli, F., Li, X., Naz, S., Hästbacka, D., & Taibi, D. (2022, December). Cloud Continuum: the definition. *IEEE Access*, 10, 131876-131886.
- [J10] Lenarduzzi, V., Pecorelli, F., Saarimaki, N., Lujan, S., & Palomba, F. (2023, April). A critical comparison on six static analysis tools: Detection, agreement, and precision. *Journal of Systems and Software*, 198, 111575.
- [J11] Lambiase, S., Catolino, G., Pecorelli, F., Tamburri, D. A., Palomba, F., van den Heuvel, W. J., & Ferrucci, F. (2024). An Empirical Investigation Into the Influence of Software Communities' Cultural and Geographical Dispersion on Productivity. *Journal of Systems and Software*, 208, 111878.
- [J12] Pontillo, V., Amoroso d'Aragona, D., Pecorelli, F., Di Nucci, D., Ferrucci, F., & Palomba, F. (2024). Machine learning-based test smell detection. *Empirical Software Engineering*, 29(2), 1-44.
- [J13] Pecorelli, F., Grano, G., Palomba, F., Gall, H. C., & De Lucia, A. (2024). Toward Granular Search-Based Automatic Unit Test Case Generation. *Empirical Software Engineering*, 29(4), 1-49.
- [J14] Recupito, G., Pecorelli, F., Catolino, G., Lenarduzzi, V., Taibi, D., Di Nucci, D., & Palomba, F. (2024). Technical Debt in AI-Enabled Systems: On the Prevalence, Severity, Impact, and Management Strategies for Code and Architecture. *Journal of Systems and Software*
- [J15] De Stefano, M., Pecorelli, F., Di Nucci, D., Palomba, F., & De Lucia, A. (2024). The quantum frontier of software engineering: A systematic mapping study. *Information and Software Technology*, 107525.
- [J16] Afeltra, A., Cannavale, A., Pecorelli, F., Pontillo, V., & Palomba, F. (2024). A Large-Scale Empirical Investigation Into Cross-Project Flaky Test Prediction. *IEEE Access*.

- [J17] Recupito, G., Pecorelli, F., Catolino, G., Lenarduzzi, V., Taibi, D., Di Nucci, D., & Palomba, F. (2024). Technical debt in AI-enabled systems: On the prevalence, severity, impact, and management strategies for code and architecture. *Journal of Systems and Software*, 216, 112151.
- [J18] Martens, J., Kumara, I., Di Nucci, D., Pecorelli, F., Monsieur, G., Tamburri, D. A., & Van Den Heuvel, W. J. (2024). Acceptance and Development of Quantum Computing in the Netherlands and Germany: Barriers and Remedies From a Multi-Stakeholder Perspective. *IEEE Transactions on Engineering Management*.
- [J19] Trovato, A., De Stefano, M., Pecorelli, F., Di Nucci, D., & De Lucia, A. (2025). Reformulating regression test suite optimization using quantum annealing-an empirical study. *International Journal on Software Tools for Technology Transfer*, 1-14.

Conferences & Workshops Publications

- [C1] Pecorelli, F., Palomba, F., Di Nucci, D., & De Lucia, A. (2019, May). Comparing heuristic and machine learning approaches for metric-based code smell detection. In Proceedings of the 2019 IEEE/ACM 27th International Conference on Program Comprehension (ICPC) (pp. 93-104).
- [C2] Pecorelli, F., Di Nucci, D., De Roover, C., & De Lucia, A. (2019, August). On the role of data balancing for machine learning-based code smell detection. In Proceedings of the 3rd ACM SIGSOFT International Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLTeSQuE) (pp. 19-24).
- [C3] Pecorelli, F. (2019, August). Test-related factors and post-release defects: an empirical study. In Proceedings of the 2019 27th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE) (pp. 1235-1237).
- [C4] Pecorelli, F., Palomba, F., Khomh, F., & De Lucia, A. (2020, May). Developer-Driven Code Smell Prioritization. In Proceedings of the 17th International Conference on Mining Software Repositories (MSR) (pp. 220-231).
- [C5] De Stefano, M., Pecorelli, F., Tamburri, D. A., Palomba, F., & De Lucia, A. (2020, June). Splicing Community Patterns and Smells: A Preliminary Study. In Proceedings of the IEEE/ACM 42nd International Conference on Software Engineering (ICSE) Workshops (pp. 703-710).
- [C6] Lambiase, S., Cupito, A., Pecorelli, F., De Lucia, A., & Palomba, F. (2020, July). Just-In-Time Test Smell Detection and Refactoring: The DARTS Project. In Proceedings of the 28th International Conference on Program Comprehension (ICPC) (pp. 441-445).
- [C7] Pecorelli, F., Catolino, G., Ferrucci, F., De Lucia, A., & Palomba, F. (2020, July). Testing of Mobile Applications in the Wild: A Large-Scale Empirical Study on Android Apps. In Proceedings of the 28th International Conference on Program Comprehension (ICPC) (pp. 296-307).
- [C8] Iannone, E., Pecorelli, F., Di Nucci, D., Palomba, F., & De Lucia, A. (2020, July). Refactoring Android-specific Energy Smells: A Plugin for Android Studio. In Proceedings of the 28th International Conference on Program Comprehension (ICPC) (pp. 451-455).
- [C9] De Stefano, M., Pecorelli, F., Tamburri, D. A., Palomba, F., & De Lucia, A. (2020, September). Refactoring Recommendations Based on the Optimization of Socio-Technical Congruence. In Proceedings of the 36th IEEE International Conference on Software Maintenance and Evolution (ICSME) (pp. 794-796).
- [C10] Pecorelli, F., Di Lillo, G., Palomba, F., & De Lucia, A. (2020, September). VITRuM: A Plug-In for the Visualization of Test-Related Metrics. In Proceedings of the 2020 International Conference on Advanced Visual Interfaces (AVI) (pp. 1-3).
- [C11] De Stefano, M., Gambardella, M. S., Pecorelli, F., Palomba, F., & De Lucia, A. (2020, September). cASpER: A Plug-in for Automated Code Smell Detection and Refactoring. In Proceedings of the 2020 International Conference on Advanced Visual Interfaces (AVI) (pp. 1-3).
- [C12] Lujan, S., Pecorelli, F., Palomba, F., De Lucia, A., & Lenarduzzi, V. (2020, November). A preliminary study on the adequacy of static analysis warnings with respect to code smell prediction. In Proceedings of the 4th ACM SIGSOFT International Workshop on Machine-Learning Techniques for Software Quality Evaluation (MaLTeSQuE) (pp. 1-6).
- [C13] De Stefano, M., Pecorelli, F., Palomba, F., & De Lucia, A. (2021, August). Comparing within- and cross-project machine learning algorithms for code smell detection. In Proceedings of the 5th International Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLTeSQuE) (pp. 1-6).

- [C14] Nguyen, H., Lomio, F., Pecorelli, F., & Lenarduzzi, V. (2022, March). PANDORA: Continuous mining software repository and dataset generation. In Proceedings of the 29th IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER) (pp. 263-267).
- [C15] Iannone, E., De Stefano, M., Pecorelli, F., & De Lucia, A. (2022, May). Predicting The Energy Consumption Level of Java Classes in Android Apps: An Exploratory Analysis. In Proceedings of the 9th IEEE/ACM International Conference on Mobile Software Engineering and Systems (MobileSoft) (pp. 1-5).
- [C16] Lambiase, S., Catolino, G., Pecorelli, F., Tamburri, D. A., Palomba, F., van den Heuvel, W. J., & Ferrucci, F. (2022, August). "There and Back Again?" On the Influence of Software Community Dispersion Over Productivity. In Proceedings of the 48th Euromicro Conference Series on Software Engineering and Advanced Applications (SEAA) (pp. 177-184).
- [C17] Recupito, G., Pecorelli, F., Catolino, G., Moreschini, S., Di Nucci, D., Palomba, F., & Tamburri, D. A. (2022, August). A Multivocal Literature Review of MLOps Tools and Features. In Proceedings of the 48th Euromicro Conference on Software Engineering and Advanced Applications (SEAA) (pp. 84-91).
- [C18] Amoroso d'Aragona, D., Pecorelli, F., Romano, S., Scanniello, G., Baldassarre, M. T., Janes, A., & Lenarduzzi, V. (2022, October). CATTO: Just-in-time Test Case Selection and Execution. In Proceedings of the 38th IEEE International Conference on Software Maintenance and Evolution (ICSME) (pp. 459-463).
- [C19] De Stefano, M., Pecorelli, F., Di Nucci, D., & De Lucia, A. (2022, October). A preliminary evaluation on the relationship among architectural and test smells. In Proceedings of the IEEE 22nd International Working Conference on Source Code Analysis and Manipulation (SCAM) (pp. 66-70).
- [C20] Moreschini, S., Pecorelli, F., Li, X., Naz, S., Albano, M., Hästbacka, D., & Taibi, D. (2022, December). Cognitive Cloud: the definition. In Distributed Computing and Artificial Intelligence (DCAI), 19th International Conference (pp. 219-229).
- [C21] Kumara, I., Pecorelli, F., Catolino, G., Kazman, R., Tamburri, D. A., & Van Den Heuvel, W. J. (2023, March). Architecting MLOps in the Cloud: From Theory to Practice. In 2023 IEEE 20th International Conference on Software Architecture Companion (ICSA-C) (pp. 333-335). IEEE.
- [C22] d'Aragona, D. A., Pecorelli, F., Baldassarre, M. T., Taibi, D., & Lenarduzzi, V. (2023, March). Technical Debt Diffuseness in the Apache Ecosystem: A Differentiated Replication. In 2023 IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER) (pp. 825-833). IEEE.
- [C23] Gigante, D., Pecorelli, F., Santa Barletta, V., Janes, A., Lenarduzzi, V., Taibi, D., & Baldassarre, M. T. (2023, May). Resolving Security Issues via Quality-Oriented Refactoring: A User Study. In 2023 ACM/IEEE International Conference on Technical Debt (TechDebt) (pp. 82-91). IEEE.