

curriculum vitae of
GIUSY ANNUNZIATA

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 [giusy-annunziata](#)  Google Scholar Profile  **Date of Birth:** October 16, 1998

ACTUAL POSITION

1st Nov. 2023 – Present **Ph.D. Student** in Computer Science UNIVERSITY OF SALERNO, FISCIANO, ITALY
Academic Advisor: *Prof. Filomena Ferrucci* — fferrucci@unisa.it
Academic Co-Advisor: *Prof. Gemma Catolino* — gcatolino@unisa.it

RESEARCH ACTIVITY AND WORK EXPERIENCE

Apr. 2023 – Sep. 2023 **Research Fellow** UNIVERSITY OF SALERNO, FISCIANO, ITALY
Research Fellow within the EMELIOT research project (PRIN 2020W3A5FY) at Software Engineering (SeSa) Lab, Computer Science Department
Main research topics: Human Aspects in the context of ML-Enabled Systems
Academic advisor: *Prof. Andrea De Lucia, Prof. Fabio Palomba*

RESEARCH AREAS

My research focuses on Software Engineering and Software Project Management, with a particular emphasis on Risk Management and the Socio-Technical Aspects in ML-Enabled Systems:

Socio-Technical Aspects in ML-enabled Systems My research explores the intersection of human factors and software engineering, with a particular focus on socio-technical dynamics in machine learning (ML)-enabled systems, which are composed of heterogeneous teams of software engineers and data scientists. I investigate how the human and organizational dimensions influence the development of ML-enabled systems. In particular, I focused on understanding the relation of Socio-Technical Anti-Pattern in the context of ML-enabled Systems and Community Smells [5]. Moreover, I also focused my research on the prevalence of community smells in those systems and their variation over time [3].

Risk Management Another focus of my research is Risk Management in the Emergence of Community Smells within software development, particularly in ML-enabled systems. This involves analyzing the potential risks that emerge as software systems evolve in heterogeneous collaborative environments. In particular, my research seeks to uncover how these risks can be mitigated in ML environments, ensuring more reliable software systems. To support risk management, I investigated innovative teaching approaches to risk management [4].

EDUCATION

Dec. 2020 – Dec. 2022 **Master's Degree (M.SC.)** in Computer Science UNIVERSITY OF SALERNO, FISCIANO, ITALY
Graduation thesis in Software Project Management
grade 110/110 cum laude
Academic Advisor: *Prof. Filomena Ferrucci, Prof. Fabio Palomba, Doc. Stefano Lambiase*

Sep. 2017 – Dec. 2020 **Bachelor's Degree** in Computer Science UNIVERSITY OF SALERNO, FISCIANO, ITALY
Academic Advisor: *Prof. Andrea Francesco Abate, Prof. Ignazio Passero*

PROFESSIONAL ACTIVITIES

ORGANIZATIONAL ACTIVITIES

May 2023 Publicity Chair of International Conferences ROME, ITALY
The 17th International Conference on Software Process and Product Measurement (MENSURA 2023)

PROGRAM COMMITTEE ACTIVITIES

Program Committee Member of Technical Papers - Junior Program Committee

The 21st International Conference on Mining Software Repositories (MSR 2024)

Program Committee Member of International Conferences

The 18th International Conference on Software Engineering Advances (ICSEA 2023)

OTHERS ACTIVITY

18th–21st June 2024 Student Volunteer SALERNO, ITALY
The 28th International Conference on Evaluation and Assessment in Software Engineering (EASE 2024)

17th–20th April 2024 Student Volunteer LISBON, PORTUGAL
The 46th International Conference of Software Engineering (ICSE 2024)

PAPER REVIEW ACTIVITIES

Journal

- *Elsevier* — Science of Computer Programming (SCICO)
- *Elsevier* — Software X — Rank Q2
- *Springer* — Multimedia Tools and Applications — Rank Q2
- *Springer* — International Scientific Journals of Software Quality Journal (SQJ);

Conference

- ACM Conference On Computer-Supported Cooperative Work (CSCW) — Rank A
- ACM International Conference of Mining Software Repository (MSR 2024) — Rank A
- ACM International Conference on Predictive Models and Data Analytics in Software Engineering (PROMISE 2024) — Rank B
- International Conference on Software Engineering Advances (ICSEA)

TEACHING ACTIVITIES

Oct. 2023 - Feb. 2024 **Software Engineering Tutor** UNIVERSITY OF SALERNO
Academic Tutor for the course of Software Engineering in the academic year 2023/2024 in collaboration with the University of Salerno.

May 2023 **Guest Lecturer** UNIVERSITY OF SALERNO
Speaker for a seminar on *SCRUM* at the Engineering Management and Software Evolution course of Master Degree in Computer Science.

CONFERENCES AND SCHOOL PARTICIPATIONS

27th–28th April 2025 OTTAWA, CANADA
The 18th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE 2025); Journal First Presentation [5].

28th–30th August 2024 PARIS, FRANCE
The 50th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2024); Presentation [2].

18th–21st June 2024 SALERNO, ITALY
The 28th International Conference on Evaluation and Assessment in Software Engineering EASE 2024); Presentations [1] and [6].

17th–20th April 2024 LISBON, PORTUGAL
The 46th International Conference of Software Engineering (ICSE 2024); Presentation [4].

12th–15th June 2023

UNIVERSITY OF SALERNO

The 15th Seminar on Advanced Techniques & Tools for Software Evolution (SATToSE 2023); Presentation [7].

ADDITIONAL CONTRIBUTIONS

PRIN Project QUALAI

Actively contributed to the PRIN project QUALAI awarded by the MUR (Ministero dell'Università e della Ricerca) with the papers [5, 3].

PRIN Project EMELIOT

Actively contributed to the PRIN project EMELIOT awarded by the MUR (Ministero dell'Università e della Ricerca) with the papers [5, 3, 6, 2].

PUBLICATIONS

- [1] Giusy Annunziata. “Adapting to Change: Software Project Management in the Era of Security in Cloud Computing”. In: *Proceedings of the 28th International Conference on Evaluation and Assessment in Software Engineering*. EASE '24. Salerno, Italy: Association for Computing Machinery, 2024, pp. 466–469. ISBN: 9798400717017. DOI: 10.1145/3661167.3661208. URL: <https://doi.org/10.1145/3661167.3661208>.
- [2] Giusy Annunziata, Carmine Ferrara, Stefano Lambiase, Fabio Palomba, Gemma Catolino, Filomena Ferrucci, and Andrea De Lucia. “An Empirical Study on the Relation Between Programming Languages and the Emergence of Community Smells”. In: *2024 50th Euromicro Conference on Software Engineering and Advanced Applications (SEAA)*. IEEE, 2024, pp. 268–275.
- [3] Giusy Annunziata, Stefano Lambiase, Fabio Palomba, Gemma Catolino, and Filomena Ferrucci. “How Do Communities of ML-Enabled Systems Smell? A Cross-Sectional Study on the Prevalence of Community Smells”. In: *Just Accepted at 29th ACM International Conference on Evaluation and Assessment in Software Engineering (EASE)*. 2025. URL: <https://fpalomba.github.io/pdf/Conferencs/C91.pdf>.
- [4] Giusy Annunziata, Stefano Lambiase, Fabio Palomba, and Filomena Ferrucci. “SERGE – Serious Game for the Education of Risk Management in Software Project Management”. In: *Proceedings of the 46th International Conference on Software Engineering: Software Engineering Education and Training*. ICSE-SEET '24. Lisbon, Portugal: Association for Computing Machinery, 2024, pp. 264–273. ISBN: 9798400704987. DOI: 10.1145/3639474.3640085. URL: <https://doi.org/10.1145/3639474.3640085>.
- [5] Giusy Annunziata, Stefano Lambiase, Damian A. Tamburri, Willem-Jan van den Heuvel, Fabio Palomba, Gemma Catolino, Filomena Ferrucci, and Andrea De Lucia. “Uncovering Community Smells in Machine Learning-Enabled Systems: Causes, Effects, and Mitigation Strategies”. In: *ACM Transactions on Software Engineering and Methodology* (Jan. 2025). Just Accepted. ISSN: 1049-331X. DOI: 10.1145/3712198. URL: <https://doi.org/10.1145/3712198>.
- [6] Giusy Annunziata, Alexandra Sheykina, Fabio Palomba, Andrea De Lucia, Gemma Catolino, and Filomena Ferrucci. “Security Risk Assessment on Cloud: A Systematic Mapping Study”. In: *Proceedings of the 28th International Conference on Evaluation and Assessment in Software Engineering*. EASE '24. Salerno, Italy: Association for Computing Machinery, 2024, pp. 604–613. ISBN: 9798400717017. DOI: 10.1145/3661167.3661287. URL: <https://doi.org/10.1145/3661167.3661287>.
- [7] Giammaria Giordano, Valeria Pontillo, Giusy Annunziata, Antonio Cimino, Filomena Ferrucci, and Fabio Palomba. “How May Deep Learning Testing Inform Model Generalizability? The Case of Image Classification.” In: *SATToSE*. 2023, pp. 40–47.

Signature

