JOURNAL ARTICLES

- [1] M.-A. Storey, <u>D. Russo</u>, N. Novielli, T. Kobayashi, D. Wang. **A Disruptive Research Playbook for Studying Disruptive Innovations**. In *ACM Transactions on Software Engineering and Methodology*. 2024.
- [2] <u>D. Russo</u> et al. Generative AI in Software Engineering Must Be Human-Centered: The Copenhagen Manifesto. The Journal of Systems & Software, 216(112115), 2024.
- [3] C. Verwijs, <u>D. Russo</u>. **Do Agile Scaling Approaches Make A Difference? An Empirical Comparison of Team Effectiveness Across Popular Scaling Approaches**. *Empirical Software Engineering*, Accepted, 60 pp. 2024.
- [4] <u>D. Russo</u>. Navigating the Complexity of Generative AI Adoption in Software Engineering. ACM Transactions on Software Engineering and Methodology, 33(5), 50 pp. 2024.
- [5] C. Verwijs, <u>D. Russo</u>. The Double-Edged Sword Of Diversity: How Diversity, Conflict, and Psychological Safety Impact Agile Software Teams. *IEEE Transactions on Software Engineering*, 50(1), 16 pp. 2024.
- [6] D. Russo, P.H.P. Hanel, N. van Berkel. Understanding Developers Well-Being and Productivity: a 2-year Longitudinal Analysis during the COVID-19 Pandemic RCR Report. ACM Transactions on Software Engineering and Methodology, 33(3), 4 pp. 2024.
- [7] D. Russo, P.H.P. Hanel, N. van Berkel. Understanding Developers Well-Being and Productivity: a 2-year Longitudinal Analysis during the COVID-19 Pandemic. ACM Transactions on Software Engineering and Methodology, 33(3), 44 pp. 2024.
- [8] <u>D. Russo</u>, P.H.P. Hanel, S. Altnickel, N. van Berkel. **Satisfaction and Performance of Software Developers during Enforced Work from Home in the COVID-19 Pandemic**. *Empirical Software Engineering*, 28(53), 49 pp. 2023.
- [9] D. Smite, E. Christensen, P. Tell, <u>D. Russo</u>. **The Future Workplace: Characterizing the Spectrum of Hybrid Work Arrangements for Software Teams**. *IEEE Software*, 40(2), 2023.
- [10] A.A. Cucolas, <u>D. Russo</u>. The Impact of Working From Home on the Success of Scrum Projects: A Multi-Method Study. *Journal of Systems and Software*, 197(111562), 2023.
- [11] D. Russo, K.-J. Stol. Don't Throw the Baby Out With the Bathwater: Comments on "Recent Developments in PLS". Communications of the Association for Information Systems, 52, 4pp. 2023.
- [12] C. Verwijs, <u>D. Russo</u>. **A Theory of Scrum Team Effectiveness**. *ACM Transactions on Software Engineering and Methodology*, 32(3), 52 pp. 2023.
- [13] D. Russo, K.-J. Stol. Gender Differences in Personality Traits of Software Engineers. *IEEE Transactions on Software Engineering*, 40(3), 16 pp. 2022.
- [14] D. Russo, A. R. Masegosa, K.-J. Stol. From Anecdote to Evidence: The Relationship Between Personality and Need for Cognition of Developers. Empirical Software Engineering, 27(71), 29 pp. 2022.

- [15] D. Russo The Agile Success Model: A Mixed Methods Study of a Large-Scale Agile Transformation. ACM Transactions on Software Engineering and Methodology, 30(4), 44 pp. 2021.
- [16] D. Russo, K.-J. Stol. PLS-SEM for Software Engineering Research: An Introduction and Survey. ACM Computing Surveys, 54(4), 37 pp. 2021.
- [17] D. Russo, P.H.P. Hanel, S. Altnickel, N. van Berkel. Predictors of Well-being and Productivity of Software Professionals during the COVID-19 Pandemic — A Longitudinal Study. Empirical Software Engineering, 26(62), 63 pp. 2021.
- [18] P. Ciancarini, A. G. Nuzzolese, V. Presutti, <u>D. Russo</u>. **SQuAP-Ont: an Ontology of Software Quality Relational Factors from Financial Systems**. *Semantic Web Journal*, 11(6), 16 pp. 2020.
- [19] P. Ciancarini, M.Missiroli, <u>D. Russo</u>. Cooperative Thinking: Analyzing a New Framework for Software Engineering Education. *Journal of Systems and Software*, 157(110401), 12 pp. 2019.
- [20] D. Russo, P. Ciancarini, T. Falasconi, M. Tomasi. A Meta Model for Information Systems Quality: a Mixed-Study of the Financial Sector. ACM Transactions on Management Information Systems, 9(3), 38 pp. 2018.
- [21] <u>D. Russo</u>. **50 anni di Premio Turing: una Riflessione**. *Mondo Digitale*, 76, 10 pp. 2018.
- [22] M. Missiroli, <u>D. Russo</u>, P. Ciancarini, P. Torricelli. **Developers' week: Alternanza Scuola-Lavoro rovesciata**. *Mondo Digitale*, 77, 10 pp. 2018.
- [23] M. Missiroli, <u>D. Russo</u>, P. Ciancarini. **Didattica per progetti a confronto:** meglio Scrum o Waterfall? *Mondo Digitale*, 70, pp. 10, 2017.
- [24] A. Messina, F. Fiore, M. Ruggiero, P. Ciancarini, <u>D. Russo</u>. A new Agile Paradigm for Mission Critical Software Development. The Journal of Defence Software Engineering (CrossTalk), 29(6), pp. 25–30, 2016.
- [25] M. Missiroli, <u>D. Russo</u>, P. Ciancarini. **Una didattica Agile per la programmazione**. *Mondo Diqitale*, 15(64), 10 pp. 2016.

Conference Articles

- [26] D. Russo. Recruiting Software Engineers on Prolific. Proceedings of the 1st International Workshop on Recruiting Participants for Empirical Software Engineering (RoPES '22). ACM. Pittsburgh, PA, USA, May 2022.
- [27] D. Russo, P.H.P. Hanel, S. Altnickel, N. van Berkel. The Daily Life of Soft-ware Engineers during the COVID-19 Pandemic. Proceedings of the 43th International Conference on Software Engineering (ICSE '21). IEEE. Madrid, Spain, May 2021.
- [28] N. van Berkel, J. Goncalves, <u>D. Russo</u>, S. Hosio, M. B. Skov. Effect of Information Presentation on Fairness Perceptions of Machine Learning Predictors. *Proceedings of the International Conference on Human Factors in Computing Systems (CHI '21)*. ACM. Yokohama, Japan, May 2021.
- [29] P. Ciancarini, M. Missiroli, F. Poggi, D. Russo. An Open Source Environment for an Agile Development Model. Proceedings of the 16th International Conference on Open Source Software (OSS '20). Springer. Innopolis, Russian Federation, May 2020.

- [30] P. Ciancarini, <u>D. Russo</u>. **The Strategic Technical Debt Management Model:** an Empirical Proposal. Proceedings of the 16th International Conference on Open Source Software (OSS '20). Springer. Innopolis, Russian Federation, May 2020.
- [31] D. Russo, K.-J. Stol. Soft Theory: A Pragmatic Alternative to Conduct Quantitative Empirical Studies. Proceedings of the 41th International Conference on Software Engineering Companion 7th Joint International Workshop on Conducting Empirical Studies in Industry (CESSER-IP '19). IEEE. Montreal, Canada, May 2019.
- [32] P. Ciancarini, M. Missiroli, <u>D. Russo</u>. **Exploiting Agile Practices to Teach Computational Thinking**. Proceedings of the Second International Workshop on Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment (DEVOPS '19). Springer. Château de Villebrumier, France, May 2019.
- [33] S. Giallorenzo, I. Lanese, <u>D. Russo</u>. **ChIP: a Choreographic Integration Process**. Proceedings of the 26th International Conference on Cooperative Information Systems (CoopIS '18). Springer. Valletta, Malta, October 2018.
- [34] D. Russo, G. Taccogna, P. Ciancarini, A. Messina, G. Succi. Contracting Agile Developments for Mission Critical Systems in the Public Sector. Proceedings of the 40th International Conference on Software Engineering (ICSE '18). ACM. Gothenburg, Sweden, May 2018.
- [35] M. Missiroli, <u>D. Russo</u>, P. Ciancarini. **Cooperative Thinking, or: Computational Thinking meets Agile**. Proceedings of the 30th Conference on Software Engineering Education and Training (CSEE&T '17). IEEE. Savannah, GE, USA, November 2017.
- [36] M. Missiroli, <u>D. Russo</u>, P. Ciancarini. **Teaching Test–First Programming:**Assessment and Solutions. Proceedings of the 41st International Conference on Computers, Software and Applications (COMPSAC '17). IEEE. Torino, Italy, July 2017.
- [37] D. Russo, P. Ciancarini, T. Falasconi, M. Tomasi. Software Quality Concerns in the Italian Bank Sector: the Emergence of a Meta-Quality Dimension. Proceedings of the 39th International Conference on Software Engineering (ICSE '17). IEEE. Buenos Aires, Argentina, May 2017.
- [38] M. Missiroli, <u>D. Russo</u>, P. Ciancarini. **Agile for millennials: a comparative study**. Proceedings of the 39th International Conference on Software Engineering Companion 1st International Workshop on Software Engineering Curricula for Millennials (SECM '17). IEEE. Buenos Aires, Argentina, May 2017.
- [39] D. Russo, P. Ciancarini. Towards Antifragile Software Architectures. Procedia Computer Science. 109 (C), pp. 930–935. Elsevier. Madeira, Portugal, May 2017.
- [40] D. Russo, P. Ciancarini. A Proposal for an Antifragile Software Manifesto. Procedia Computer Science. 83 (1), pp. 982–987, Elsevier. Madrid, Spain, May 2016.
- [41] P. Ciancarini, <u>D. Russo</u>, A. Sillitti, G. Succi. **A Guided Tour of the Legal Implications of Software Cloning**. Proceedings of the 38th International Conference on Software Engineering (ICSE '16). ACM. Austin, TE, USA, May 2016.

- [42] M. Missiroli, D. Russo, P. Ciancarini, Learning Agile Software Development in High School: an Investigation. Proceedings of the 38th International Conference on Software Engineering (ICSE '16). ACM. Austin, TE, USA, May 2016.
- [43] D. Russo, V. Lomonaco, P. Ciancarini. A Machine Learning Approach for Continuous Development. Proceedings of 5th International Conference in Software Engineering for Defence Applications (SEDA '16). Springer. Rome, Italy, May 2016.
- [44] D. Russo, G. Taccogna, P. Ciancarini. Contracting Agile Developments for the Public Sector: the Italian Case. Proceedings of 5th International Conference in Software Engineering for Defence Applications (SEDA '16). Springer. Rome, Italy, May 2016.
- [45] P. Ciancarini, D. Russo, A. Sillitti, G. Succi. Reverse Engineering: a Legal Perspective. Proceedings of the 31st Annual ACM Symposium on Applied Computing (SAC '16). ACM. Pisa, Italy, April 2016.
- [46] P. Ciancarini, F. Poggi, D. Russo. Big Data Quality: a Roadmap for Open Data. Proceedings of the 2nd IEEE International Conference on Big Data Service (BigDataService '16). IEEE. Oxford, UK, March-April 2016.
- [47] D. Russo, Benefits of Open Source Software in Defense Environments. Proceedings of 4th International Conference in Software Engineering for Defence Applications (SEDA '15). Springer. Rome, Italy, May 2015.

BOOK CHAPTERS [48] P. Ciancarini, A. Messina, F. Poggi, D. Russo. Agile Knowledge Engineering for Mission Critical Software Requirements. Synergies Between Knowledge Engineering and Software Engineering. Grzegorz J. Nalepa and Joachim Baumeister Ed. Springer, pp.151–171, 2018.

OTHER **PUBLICATIONS**

- [49] V. Jackson, B. Vasilescu, D. Russo, P. Ralph, M. Izadi, R. Prikladnicki, S. D'Angelo, S. Inman, A. Lisboa, A. van der Hoek. Creativity, Generative AI, and Software Development: A Research Agenda. In arXiv, 2406.01966. 2024.
- [50] D. Russo. Pandemic Pedagogy: Evaluating Remote Education Strategies during COVID-19. In arXiv, 2308.15847. 2023.
- [51] P. Ralph et al. Empirical Standards for Software Engineering Research. SIGSOFT, Version 0.2.0. 2021.
- [52] D. Russo. Socio-Technical Software Engineering: a Quality-Architecture-**Process Perspective.** [Doctoral thesis]. In Alma Digital Library–University of Bologna. PhD in Computer Science and Engineering, 31 Ciclo.
- [53] D. Russo, M.Missiroli, P. Ciancarini. Poster: a Conceptual Model for Cooperative Thinking. In Proceedings of the 40th International Conference on Software Engineering (ICSE '18). ACM, DOI: 10.1145/3183440.3195062. Gothenburg, Sweden, May 2018.