Fabio Calefato

 ${\bf Q}$ Bari, Italy | ${\bf \square}$ fabio.calefato@uniba.it | ${\bf L}$ 080 571 2213 | ${\bf \mathscr{O}}$ collab.di.uniba.it/fabio

1 0000-0003-2654-1588 | **2** Google Scholar | **3** bateman

Journal & Magazine Papers

- [1] L. Quaranta, K. Azevedo, F. Calefato, and M. Kalinowski, "A multivocal literature review on the benefits and limitations of industry-leading automl tools," *Inf. Softw. Technol.*, vol. 178, p. 107608, 2025. DOI: 10.1016/J.INFSOF.2024.107608 . [Online]. Available: https://doi.org/10.1016/j.infsof.2024.107608.
- [2] F. Calefato, L. Quaranta, and F. Lanubile, "A lot of talk and a badge: An exploratory analysis of personal achievements in github," *Inf. Softw. Technol.*, vol. 176, p. 107561, 2024. DOI: 10.1016/J.INFSOF.2024.107561 . [Online]. Available: https://doi.org/10.1016/j.infsof.2024.107561.
- [3] L. Quaranta, F. Calefato, and F. Lanubile, "Pynblint: A quality assurance tool to improve the quality of python jupyter notebooks," *SoftwareX*, vol. 28, p. 101 959, 2024. DOI: 10.1016/J.SOFTX.2024.101959
 ☑. [Online]. Available: https://doi.org/10.1016/j.softx.2024.101959.
- [4] D. Russo *et al.*, "Generative AI in software engineering must be human-centered: The copenhagen manifesto," *J. Syst. Softw.*, vol. 216, p. 112115, 2024. DOI: 10.1016/J.JSS.2024.112115 ... [Online]. Available: https://doi.org/10.1016/j.jss.2024.112115.
- [5] F. Calefato, M. A. Gerosa, G. Iaffaldano, F. Lanubile, and I. Steinmacher, "Will you come back to contribute? investigating the inactivity of OSS core developers in github," *Empir. Softw. Eng.*, vol. 27, no. 3, p. 76, 2022. DOI: 10.1007/S10664-021-10012-6 . [Online]. Available: https://doi.org/10.1007/s10664-021-10012-6.
- [6] F. Calefato and F. Lanubile, "Using personality detection tools for software engineering research: How far can we go?" *ACM Trans. Softw. Eng. Methodol.*, vol. 31, no. 3, 42:1–42:48, 2022. DOI: 10.1145/3491039 ☑. [Online]. Available: https://doi.org/10.1145/3491039.
- [7] M. Kuhrmann *et al.*, "What makes agile software development agile?" *IEEE Trans. Software Eng.*, vol. 48, no. 9, pp. 3523–3539, 2022. DOI: 10.1109/TSE.2021.3099532 . [Online]. Available: https://doi.org/10.1109/TSE.2021.3099532.
- [8] L. Quaranta, F. Calefato, and F. Lanubile, "Eliciting best practices for collaboration with computational notebooks," *Proc. ACM Hum. Comput. Interact.*, vol. 6, no. CSCW1, 87:1–87:41, 2022. DOI: 10.1145/3512934 . [Online]. Available: https://doi.org/10.1145/3512934.
- [9] F. Calefato, A. Dubey, C. Ebert, and P. Tell, "Global software engineering: Challenges and solutions," *J. Syst. Softw.*, vol. 174, p. 110 887, 2021. DOI: 10.1016/J.JSS.2020.110887 . [Online]. Available: https://doi.org/10.1016/j.jss.2020.110887.
- [10] F. Calefato, G. Iaffaldano, L. Trisolini, and F. Lanubile, "An in-depth analysis of occasional and recurring collaborations in online music co-creation," *ACM Trans. Soc. Comput.*, vol. 4, no. 4, 14:1–14:40, 2021. DOI: 10.1145/3493800 🗹. [Online]. Available: https://doi.org/10.1145/3493800.
- [11] N. Novielli, F. Calefato, F. Lanubile, and A. Serebrenik, "Assessment of off-the-shelf se-specific sentiment analysis tools: An extended replication study," *Empir. Softw. Eng.*, vol. 26, no. 4, p. 77, 2021. DOI: 10.1007/S10664-021-09960-W. [Online]. Available: https://doi.org/10.1007/s10664-021-09960-w.
- [12] N. Novielli, F. Calefato, and F. Lanubile, "Love, joy, anger, sadness, fear, and surprise: SE needs special kinds of AI: A case study on text mining and SE," *IEEE Softw.*, vol. 37, no. 3, pp. 86–91, 2020. DOI: 10.1109/MS.2020.2968557 **C**. [Online]. Available: https://doi.org/10.1109/MS.2020.2968557.
- [13] F. Calefato, G. Castellano, and V. Rossano, "Correction to: RECODE: revision control for digital images," *Multim. Tools Appl.*, vol. 78, no. 23, p. 33189, 2019. DOI: 10.1007/S11042-019-08458-4 ...
 [Online]. Available: https://doi.org/10.1007/s11042-019-08458-4.
- [14] F. Calefato, G. Castellano, and V. Rossano, "RECODE: revision control for digital images," *Multim. Tools Appl.*, vol. 78, no. 23, pp. 33 169–33 188, 2019. DOI: 10.1007/S11042-019-7735-9 2. [Online]. Available: https://doi.org/10.1007/s11042-019-7735-9.

- [15] F. Calefato and C. Ebert, "Agile collaboration for distributed teams [software technology]," *IEEE Softw.*, vol. 36, no. 1, pp. 72–78, 2019. DOI: 10.1109/MS.2018.2874668 . [Online]. Available: https://doi.org/10.1109/MS.2018.2874668.
- [16] F. Calefato, F. Lanubile, and N. Novielli, "An empirical assessment of best-answer prediction models in technical q&a sites," *Empir. Softw. Eng.*, vol. 24, no. 2, pp. 854–901, 2019. DOI: 10.1007/S10664-018-9642-5 \(\mathbb{L}\). [Online]. Available: https://doi.org/10.1007/s10664-018-9642-5.
- [17] F. Calefato, F. Lanubile, and B. Vasilescu, "A large-scale, in-depth analysis of developers' personalities in the apache ecosystem," *Inf. Softw. Technol.*, vol. 114, pp. 1–20, 2019. DOI: 10.1016/J.INFSOF.2019.05.012 . [Online]. Available: https://doi.org/10.1016/j.infsof.2019.05.012.
- [18] F. Calefato, P. Tell, and A. Dubey, "Summary of the 14th international conference on global software engineering (ICGSE)," *ACM SIGSOFT Softw. Eng. Notes*, vol. 44, no. 3, pp. 30–33, 2019. DOI: 10.1145/3356773.3356802 . [Online]. Available: https://doi.org/10.1145/3356773.3356802.
- [19] F. Calefato, G. Iaffaldano, F. Lanubile, and F. Maiorano, "Investigating crowd creativity in online music communities," *Proc. ACM Hum. Comput. Interact.*, vol. 2, no. CSCW, 27:1–27:21, 2018. DOI: 10.1145/3274296 ... [Online]. Available: https://doi.org/10.1145/3274296.
- [20] F. Calefato and F. Lanubile, "Establishing personal trust-based connections in distributed teams," *Internet Technol. Lett.*, vol. 1, no. 4, 2018. DOI: 10.1002/ITL2.6 亿. [Online]. Available: https://doi.org/10.1002/itl2.6.
- [21] F. Calefato, F. Lanubile, F. Maiorano, and N. Novielli, "Sentiment polarity detection for software development," *Empir. Softw. Eng.*, vol. 23, no. 3, pp. 1352–1382, 2018. DOI: 10.1007/S10664-017-9546-9 ... [Online]. Available: https://doi.org/10.1007/s10664-017-9546-9.
- F. Calefato, F. Lanubile, and N. Novielli, "How to ask for technical help? evidence-based guidelines for writing questions on stack overflow," *Inf. Softw. Technol.*, vol. 94, pp. 186–207, 2018. DOI: 10.1016/J.INFSOF.2017.10.009 亿. [Online]. Available: https://doi.org/10.1016/j.infsof.2017.10.009.
- [23] F. Calefato, F. Lanubile, T. Conte, and R. Prikladnicki, "Assessing the impact of real-time machine translation on multilingual meetings in global software projects," *Empir. Softw. Eng.*, vol. 21, no. 3, pp. 1002–1034, 2016. DOI: 10.1007/S10664-015-9372-X 2. [Online]. Available: https://doi.org/10.1007/s10664-015-9372-x.
- [24] F. Calefato, F. Lanubile, R. D. Nicolo, and F. Lippolis, "A university-ngo partnership to sustain assistive technology projects," *Interactions*, vol. 23, no. 2, pp. 74–77, 2016. DOI: 10.1145/2883619 . [Online]. Available: https://doi.org/10.1145/2883619.
- [25] F. Calefato, F. Lanubile, and N. Novielli, "The role of social media in affective trust building in customer-supplier relationships," *Electron. Commer. Res.*, vol. 15, no. 4, pp. 453–482, 2015. DOI: 10.1007/S10660-015-9194-3 . [Online]. Available: https://doi.org/10.1007/s10660-015-9194-3.
- D. Smite, F. Calefato, and C. Wohlin, "Cost savings in global software engineering: Where's the evidence?" *IEEE Softw.*, vol. 32, no. 4, pp. 26–32, 2015. DOI: 10.1109/MS.2015.102 ... [Online]. Available: https://doi.org/10.1109/MS.2015.102.
- T. Duarte, R. Prikladnicki, F. Calefato, and F. Lanubile, "Speech recognition for voice-based machine translation," *IEEE Softw.*, vol. 31, no. 1, pp. 26–31, 2014. DOI: 10.1109/MS.2014.14 2. [Online]. Available: https://doi.org/10.1109/MS.2014.14.
- [28] F. Lanubile, F. Calefato, and C. Ebert, "Group awareness in global software engineering," *IEEE Softw.*, vol. 30, no. 2, pp. 18–23, 2013. DOI: 10.1109/MS.2013.30 🗹. [Online]. Available: https://doi.org/10.1109/MS.2013.30.
- [29] F. Calefato, D. E. Damian, and F. Lanubile, "Computer-mediated communication to support distributed requirements elicitations and negotiations tasks," *Empir. Softw. Eng.*, vol. 17, no. 6, pp. 640–674, 2012. DOI: 10.1007/S10664-011-9179-3 . [Online]. Available: https://doi.org/10.1007/s10664-011-9179-3.
- [30] F. Calefato and F. Lanubile, "Communication media selection for remote interaction of ad hoc groups," *Adv. Comput.*, vol. 78, pp. 271–313, 2010. DOI: 10.1016/S0065-2458(10)78006-2 . [Online]. Available: https://doi.org/10.1016/S0065-2458(10)78006-2.

- [31] F. Calefato and F. Lanubile, "Using frameworks to develop a distributed conferencing system: An experience report," *Softw. Pract. Exp.*, vol. 39, no. 15, pp. 1293–1311, 2009. DOI: 10.1002/SPE.937 . [Online]. Available: https://doi.org/10.1002/spe.937.
- [32] P. Basile *et al.*, "Augmenting a content-based recommender system with tags for cultural heritage personalization," *Personalized Access to Cultural Heritage (PATCH'08), Hannover, Germany, 29 Jul.–1 Aug. 2008*, 2008.
- [33] F. Calefato, F. Lanubile, and T. Mallardo, "Function clone detection in web applications: A semiautomated approach," *J. Web Eng.*, vol. 3, no. 1, pp. 3–21, 2004. [Online]. Available: http://www.rintonpress.com/xjwe3/jwe-3-1/003-021.pdf.
- [34] F. Lanubile, T. Mallardo, and F. Calefato, "Tool support for geographically dispersed inspection teams," *Softw. Process. Improv. Pract.*, vol. 8, no. 4, pp. 217–231, 2003. DOI: 10.1002/SPIP.184 . [Online]. Available: https://doi.org/10.1002/spip.184.

Conference & Workshop Papers

- [35] G. Araujo, M. Kalinowski, M. Endler, and F. Calefato, "Professional insights into benefits and limitations of implementing mlops principles," in *Proceedings of the 26th International Conference on Enterprise Information Systems, ICEIS 2024, Angers, France, April 28-30, 2024, Volume 2*, J. Filipe, M. Smialek, A. Brodsky, and S. Hammoudi, Eds., SCITEPRESS, 2024, pp. 305–312. DOI: 10.5220/0012741100003690 . [Online]. Available: https://doi.org/10.5220/0012741100003690.
- [36] A. Basile, F. Calefato, F. Lanubile, G. Mallardi, and L. Quaranta, "An mlops solution framework for transitioning machine learning models into ehealth systems," in *Proceedings of the Ital-IA Intelligenza Artificiale Thematic Workshops co-located with the 4th CINI National Lab AIIS Conference on Artificial Intelligence (Ital-IA 2024), Naples, Italy, May 29-30, 2024*, S. D. Martino, C. Sansone, E. Masciari, S. Rossi, and M. Gravina, Eds., ser. CEUR Workshop Proceedings, vol. 3762, CEUR-WS.org, 2024, pp. 318–323. [Online]. Available: https://ceur-ws.org/Vol-3762/524.pdf.
- [37] F. Calefato, F. Lanubile, and L. Quaranta, "Security risks and best practices of mlops: A multivocal literature review," in *Proceedings of the 8th Italian Conference on Cyber Security (ITASEC 2024), Salerno, Italy, April 8-12, 2024*, G. D'Angelo, F. L. Luccio, and F. Palmieri, Eds., ser. CEUR Workshop Proceedings, vol. 3731, CEUR-WS.org, 2024. [Online]. Available: https://ceur-ws.org/Vol-3731/paper13.pdf.
- [38] X. Li, F. Calefato, V. Lenarduzzi, and D. Taibi, "Toward collaboration optimization in microservice projects based on developer personalities," in 21st IEEE International Conference on Software Architecture, ICSA 2024 Companion, Hyderabad, India, June 4-8, 2024, IEEE, 2024, pp. 95–99. DOI: 10.1109/ICSA-C63560.2024.00024 ... [Online]. Available: https://doi.org/10.1109/ICSA-C63560.2024.00024.
- [39] N. Novielli *et al.*, "Continuous quality improvement of ai-based systems: The qualai project," in *Proceedings of the 18th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2024, Barcelona, Spain, October 24-25, 2024, X. Franch, M. Daneva, S. Martínez-Fernández, and L. Quaranta, Eds., ACM, 2024, pp. 603–607. DOI: 10.1145/3674805.3695393 . [Online]. Available: https://doi.org/10.1145/3674805.3695393.*
- [40] N. Novielli et al., "Qualai: Continuous quality improvement of ai-based systems," in *Joint Proceedings of RCIS 2024 Workshops and Research Projects Track co-located with the 18th International Conference on Research Challenges in Information Science (RCIS 2024), Guimarães, Portugal, May 14-17, 2024, J. Araújo et al., Eds., ser. CEUR Workshop Proceedings, vol. 3674*, CEUR-WS.org, 2024. [Online]. Available: https://ceur-ws.org/Vol-3674/RP-paper3.pdf.
- [41] F. Calefato, L. Quaranta, F. Lanubile, and M. Kalinowski, "Assessing the use of automl for data-driven software engineering," in ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2023, New Orleans, LA, USA, October 26-27, 2023, IEEE, 2023, pp. 1–12. DOI: 10.1109/ESEM56168.2023.10304796 ... [Online]. Available: https://doi.org/10.1109/ESEM56168.2023.10304796.
- [42] F. Calefato, F. Lanubile, and L. Quaranta, "A preliminary investigation of mlops practices in github," in ESEM '22: ACM / IEEE International Symposium on Empirical Software Engineering and Measurement, Helsinki, Finland, September 19 23, 2022, F. Madeiral, C. Lassenius, T. Conte, and T. Männistö, Eds., ACM, 2022, pp. 283–288. DOI: 10.1145/3544902.3546636 . [Online]. Available: https://doi.org/10.1145/3544902.3546636.

- [43] L. Quaranta, F. Calefato, and F. Lanubile, "Pynblint: A static analyzer for python jupyter notebooks," in *Proceedings of the 1st International Conference on AI Engineering: Software Engineering for AI, CAIN 2022, Pittsburgh, Pennsylvania, May 16-17, 2022*, I. Crnkovic, Ed., ACM, 2022, pp. 48–49. DOI: 10.1145/3522664.3528612 . [Online]. Available: https://doi.org/10.1145/3522664.3528612.
- [44] F. Lanubile, F. Calefato, L. Quaranta, M. Amoruso, F. Fumarola, and M. Filannino, "Towards productizing AI/ML models: An industry perspective from data scientists," in 1st IEEE/ACM Workshop on AI Engineering Software Engineering for AI, WAIN@ICSE 2021, Madrid, Spain, May 30-31, 2021, IEEE, 2021, pp. 129–132. DOI: 10.1109/WAIN52551.2021.00027 . [Online]. Available: https://doi.org/10.1109/WAIN52551.2021.00027.
- [45] N. Novielli, F. Calefato, F. D. Laurentiis, L. Minervini, and F. Lanubile, "A virtual mentor to support question-writing on stack overflow," in 14th IEEE/ACM International Workshop on Cooperative and Human Aspects of Software Engineering, CHASE@ICSE 2021, Madrid, Spain, May 20-21, 2021, IEEE, 2021, pp. 125–126. DOI: 10.1109/CHASE52884.2021.00027 . [Online]. Available: https://doi.org/10.1109/CHASE52884.2021.00027.
- [46] L. Quaranta, F. Calefato, and F. Lanubile, "A taxonomy of tools for reproducible machine learning experiments," in AIxIA 2021 Discussion Papers co-located with the the 20th International Conference of the Italian Association for Artificial Intelligence (AIxIA2021), Virtual Event, December 1st-3rd, 2021, V. Mascardi, M. Palmonari, and G. Vizzari, Eds., ser. CEUR Workshop Proceedings, vol. 3078, CEUR-WS.org, 2021, pp. 65–76. [Online]. Available: https://ceur-ws.org/Vol-3078/paper-81.pdf.
- [47] L. Quaranta, F. Calefato, and F. Lanubile, "Kgtorrent: A dataset of python jupyter notebooks from kaggle," in 18th IEEE/ACM International Conference on Mining Software Repositories, MSR 2021, Madrid, Spain, May 17-19, 2021, IEEE, 2021, pp. 550–554. DOI: 10.1109/MSR52588.2021.00072 . [Online]. Available: https://doi.org/10.1109/MSR52588.2021.00072.
- [48] F. Calefato, A. Giove, F. Lanubile, and M. Losavio, "A case study on tool support for collaboration in agile development," in *ICGSE '20: 15th IEEE/ACM International Conference on Global Software Engineering, Seoul, Republic of Korea, June 26-28, 2020*, P. Tell, I. Steinmacher, and R. Britto, Eds., ACM, 2020, pp. 11–21. DOI: 10.1145/3372787.3390436 . [Online]. Available: https://doi.org/10.1145/3372787.3390436.
- [49] N. Novielli, F. Calefato, D. Dongiovanni, D. Girardi, and F. Lanubile, "Can we use se-specific sentiment analysis tools in a cross-platform setting?" In MSR '20: 17th International Conference on Mining Software Repositories, Seoul, Republic of Korea, 29-30 June, 2020, S. Kim, G. Gousios, S. Nadi, and J. Hejderup, Eds., ACM, 2020, pp. 158–168. DOI: 10.1145/3379597.3387446 🗹. [Online]. Available: https://doi.org/10.1145/3379597.3387446.
- [50] I. Nunes, C. Treude, and F. Calefato, "The impact of dynamics of collaborative software engineering on introverts: A study protocol," in *MSR '20: 17th International Conference on Mining Software Repositories, Seoul, Republic of Korea, 29-30 June, 2020*, S. Kim, G. Gousios, S. Nadi, and J. Hejderup, Eds., ACM, 2020, pp. 619–622. DOI: 10.1145/3379597.3387505 2. [Online]. Available: https://doi.org/10.1145/3379597.3387505.
- [51] F. Calefato, F. Lanubile, N. Novielli, and L. Quaranta, "Emtk: The emotion mining toolkit," in Proceedings of the 4th International Workshop on Emotion Awareness in Software Engineering, SEmotion@ICSE 2019, Montreal, QC, Canada, May 28, 2019, IEEE / ACM, 2019, pp. 34–37. DOI: 10.1109/SEMOTION.2019.00014 ... [Online]. Available: https://doi.org/10.1109/SEmotion.2019.00014.
- [52] G. Iaffaldano, I. Steinmacher, F. Calefato, M. A. Gerosa, and F. Lanubile, "Why do developers take breaks from contributing to OSS projects?: A preliminary analysis," in *Proceedings of the 2nd International Workshop on Software Health, SoHeal@ICSE 2019, Montreal, QC, Canada, May 28, 2019*, B. Adams, E. Constantinou, T. Mens, K. Stewart, and G. Robles, Eds., IEEE / ACM, 2019, pp. 9–16. [Online]. Available: https://dl.acm.org/citation.cfm?id=3355303.
- [53] F. Calefato, G. Castellano, and V. Rossano, "A revision control system for image editing in collaborative multimedia design," in 22nd International Conference Information Visualisation, IV 2018, Fisciano, Italy, July 10-13, 2018, E. Banissi et al., Eds., IEEE Computer Society, 2018, pp. 512–517. DOI: 10.1109/IV.2018.00095 . [Online]. Available: https://doi.org/10.1109/IV.2018.00095.
- [54] F. Calefato, G. Iaffaldano, and F. Lanubile, "Collaboration success factors in an online music community," in *Proceedings of the 2018 ACM Conference on Supporting Groupwork, GROUP 2018, Sanibel Island, FL, USA, January 07 10, 2018*, A. Forte, M. Prilla, A. S. Vivacqua, C. Müller, and L. P. R. Jr., Eds., ACM, 2018, pp. 61–70. DOI: 10.1145/3148330.3148346 . [Online]. Available: https://doi.org/10.1145/3148330.3148346.

- [55] F. Calefato, G. Iaffaldano, F. Lanubile, and B. Vasilescu, "On developers' personality in large-scale distributed projects: The case of the apache ecosystem," in *Proceedings of the 13th Conference on Global Software Engineering, ICGSE 2018, Gothenburg, Sweden, May 27 29, 2018*, M. Paasivaara, D. Smite, and R. Evaristo, Eds., ACM, 2018, pp. 92–101. DOI: 10.1145/3196369.3196372 2. [Online]. Available: https://doi.org/10.1145/3196369.3196372.
- [56] F. Calefato, F. Lanubile, F. Maiorano, and N. Novielli, "Sentiment polarity detection for software development," in *Proceedings of the 40th International Conference on Software Engineering, ICSE 2018, Gothenburg, Sweden, May 27 June 03, 2018*, M. Chaudron, I. Crnkovic, M. Chechik, and M. Harman, Eds., ACM, 2018, p. 128. DOI: 10.1145/3180155.3182519 2. [Online]. Available: https://doi.org/10.1145/3180155.3182519.
- [57] M. V. Mäntylä, F. Calefato, and M. Claes, "Natural language or not (NLON): a package for software engineering text analysis pipeline," in *Proceedings of the 15th International Conference on Mining Software Repositories, MSR 2018, Gothenburg, Sweden, May 28-29, 2018*, A. Zaidman, Y. Kamei, and E. Hill, Eds., ACM, 2018, pp. 387–391. DOI: 10.1145/3196398.3196444 . [Online]. Available: https://doi.org/10.1145/3196398.3196444.
- N. Novielli, F. Calefato, and F. Lanubile, "A gold standard for emotion annotation in stack overflow," in *Proceedings of the 15th International Conference on Mining Software Repositories, MSR 2018, Gothenburg, Sweden, May 28-29, 2018*, A. Zaidman, Y. Kamei, and E. Hill, Eds., ACM, 2018, pp. 14–17. DOI: 10.1145/3196398.3196453 . [Online]. Available: https://doi.org/10.1145/3196398.3196453.
- F. Calefato, G. Iaffaldano, F. Lanubile, A. Lategano, and N. Novielli, "Mining communication data in a music community: A preliminary analysis," in *Current Trends in Web Engineering ICWE 2017 International Workshops, Liquid Multi-Device Software and EnWoT, practi-O-web, NLPIT, SoWeMine, Rome, Italy, June 5-8, 2017, Revised Selected Papers,* I. Garrigós and M. Wimmer, Eds., ser. Lecture Notes in Computer Science, vol. 10544, Springer, 2017, pp. 241–251. DOI: 10.1007/978-3-319-74433-9_22 ℃. [Online]. Available: https://doi.org/10.1007/978-3-319-74433-9%5C_22.
- [60] F. Calefato, F. Lanubile, and N. Novielli, "A preliminary analysis on the effects of propensity to trust in distributed software development," in 12th IEEE International Conference on Global Software Engineering, ICGSE 2017, Buenos Aires, Argentina, May 22-23, 2017, IEEE Computer Society, 2017, pp. 56–60. DOI: 10.1109/ICGSE.2017.1 [Conline]. Available: https://doi.org/10.1109/ICGSE.2017.1.
- [61] F. Calefato, F. Lanubile, and N. Novielli, "Emotxt: A toolkit for emotion recognition from text," in Seventh International Conference on Affective Computing and Intelligent Interaction Workshops and Demos, ACII Workshops 2017, San Antonio, TX, USA, October 23-26, 2017, IEEE Computer Society, 2017, pp. 79–80. DOI: 10.1109/ACIIW.2017.8272591 2. [Online]. Available: https://doi.org/10.1109/ACIIW.2017.8272591.
- [62] F. Calefato and F. Lanubile, "A hub-and-spoke model for tool integration in distributed development," in 11th IEEE International Conference on Global Software Engineering, ICGSE 2016, Orange County, CA, USA, August 2-5, 2016, IEEE Computer Society, 2016, pp. 129–133. DOI: 10.1109/ICGSE.2016.12 ... [Online]. Available: https://doi.org/10.1109/ICGSE.2016.12.
- [63] F. Calefato and F. Lanubile, "Affective trust as a predictor of successful collaboration in distributed software projects," in *Proceedings of the 1st International Workshop on Emotion Awareness in Software Engineering, SEmotion@ICSE 2016, Austin, Texas, USA, May 14-22, 2016*, ACM, 2016, pp. 3–5. DOI: 10.1145/2897000.2897001 ... [Online]. Available: https://doi.org/10.1145/2897000.2897001.
- [64] F. Calefato, F. Lanubile, and N. Novielli, "Moving to stack overflow: Best-answer prediction in legacy developer forums," in *Proceedings of the 10th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2016, Ciudad Real, Spain, September 8-9, 2016*, ACM, 2016, 13:1–13:10. DOI: 10.1145/2961111.2962585 . [Online]. Available: https://doi.org/10.1145/2961111.2962585.
- N. Novielli, F. Calefato, F. Lanubile, G. Mininni, and A. Taronna, "The emoquest project: Emotions in q&a sites," in *Proceedings of the International Working Conference on Advanced Visual Interfaces, AVI 2016, Bari, Italy, June 7-10, 2016*, P. Buono, R. Lanzilotti, M. Matera, and M. F. Costabile, Eds., ACM, 2016, pp. 334–335. DOI: 10.1145/2909132.2926062 . [Online]. Available: https://doi.org/10.1145/2909132.2926062.

- [66] F. Calefato, F. Lanubile, M. C. Marasciulo, and N. Novielli, "Mining successful answers in stack overflow," in 12th IEEE/ACM Working Conference on Mining Software Repositories, MSR 2015, Florence, Italy, May 16-17, 2015, M. D. Penta, M. Pinzger, and R. Robbes, Eds., IEEE Computer Society, 2015, pp. 430–433. DOI: 10.1109/MSR.2015.56 . [Online]. Available: https://doi.org/10.1109/MSR.2015.56.
- [67] F. Calefato, F. Lanubile, M. Merolla, and N. Novielli, "Success factors for effective knowledge sharing in community-based question-answering," in *Proc. of the International Forum on Knowledge Asset Dynamics (IFKAD 2015), Bari, Italy, Jun. 10-12, 2015*, pp. 1431–1441.
- [68] F. Calefato, R. D. Nicolo, F. Lanubile, and F. Lippolis, "Product line engineering for NGO projects," in 5th IEEE/ACM International Workshop on Product Line Approaches in Software Engineering, PLEASE 2015, Florence, Italy, May 19, 2015, J. Rubin, G. Botterweck, A. Pleuss, and D. M. Weiss, Eds., IEEE Computer Society, 2015, pp. 3–6. DOI: 10.1109/PLEASE.2015.9 ... [Online]. Available: https://doi.org/10.1109/PLEASE.2015.9.
- [69] N. Novielli, F. Calefato, and F. Lanubile, "The challenges of sentiment detection in the social programmer ecosystem," in *Proceedings of the 7th International Workshop on Social Software Engineering, SSE 2015, Bergamo, Italy, September 1, 2015*, I. Hammouda and A. Sillitti, Eds., ACM, 2015, pp. 33–40. DOI: 10.1145/2804381.2804387 . [Online]. Available: https://doi.org/10.1145/2804381.2804387.
- [70] F. Calefato, F. Lanubile, and N. Novielli, "Investigating the effect of social media on trust building in customer-supplier relationships," in *ICEIS 2014 Proceedings of the 16th International Conference on Enterprise Information Systems, Volume 2, Lisbon, Portugal, 27-30 April, 2014*, S. Hammoudi, L. A. Maciaszek, and J. Cordeiro, Eds., SciTePress, 2014, pp. 635–642. DOI: 10.5220/0004905606350642 . [Online]. Available: https://doi.org/10.5220/0004905606350642.
- [71] F. Calefato, F. Lanubile, R. Prikladnicki, and J. H. S. Pinto, "An empirical simulation-based study of real-time speech translation for multilingual global project teams," in 2014 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM '14, Torino, Italy, September 18-19, 2014, M. Morisio, T. Dybå, and M. Torchiano, Eds., ACM, 2014, 56:1–56:9. DOI: 10.1145/2652524.2652537 🗹. [Online]. Available: https://doi.org/10.1145/2652524.2652537.
- [72] F. Calefato, F. Lanubile, D. Romita, R. Prikladnicki, and J. H. S. Pinto, "Mobile speech translation for multilingual requirements meetings: A preliminary study," in *IEEE 9th International Conference on Global Software Engineering, ICGSE 2014, Shanghai, China, 18-21 August, 2014*, IEEE Computer Society, 2014, pp. 145–152. DOI: 10.1109/ICGSE.2014.10 . [Online]. Available: https://doi.org/10.1109/ICGSE.2014.10.
- [73] N. Novielli, F. Calefato, and F. Lanubile, "Towards discovering the role of emotions in stack overflow," in *Proceedings of the 6th International Workshop on Social Software Engineering, SSE 2014, Hong Kong, China, November 17, 2014*, F. Lanubile and R. Ali, Eds., ACM, 2014, pp. 33–36. DOI: 10.1145/2661685.2661689 ... [Online]. Available: https://doi.org/10.1145/2661685.2661689.
- [74] B. Al-Ani et al., "Trust in virtual teams: Theory and tools," in Computer Supported Cooperative Work, CSCW 2013, San Antonio, TX, USA, February 23-27, 2013, Companion Volume, A. S. Bruckman, S. Counts, C. Lampe, and L. G. Terveen, Eds., ACM, 2013, pp. 301–306. DOI: 10.1145/2441955.2442029 . [Online]. Available: https://doi.org/10.1145/2441955.2442029.
- [75] F. Calefato and F. Lanubile, "Socialcde: A social awareness tool for global software teams," in *Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering, ESEC/FSE'13, Saint Petersburg, Russian Federation, August 18-26, 2013*, B. Meyer, L. Baresi, and M. Mezini, Eds., ACM, 2013, pp. 587–590. DOI: 10.1145/2491411.2494592 🗹. [Online]. Available: https://doi.org/10.1145/2491411.2494592.
- [76] F. Calefato, F. Lanubile, and N. Novielli, "A preliminary investigation of the effect of social media on affective trust in customer-supplier relationships," in 2013 Humaine Association Conference on Affective Computing and Intelligent Interaction, ACII 2013, Geneva, Switzerland, September 2-5, 2013, IEEE Computer Society, 2013, pp. 25–30. DOI: 10.1109/ACII.2013.11 [2]. [Online]. Available: https://doi.org/10.1109/ACII.2013.11.
- [77] F. Calefato, F. Lanubile, N. Novielli, et al., "Social media and trust building in virtual teams: The design of a replicated experiment," in 1st Int'l Workshop on Trust in Virtual Teams: Theory and Tools@CSCW, San Antonio, TX, 23 Feb. 2013, 2013.

- [78] F. Calefato, F. Lanubile, and F. Sportelli, "Can social awareness foster trust building in global software teams?" In *Proceedings of the 2013 International Workshop on Social Software Engineering, SSE 2013, Saint Petersburg, Russia, August 18, 2013*, R. Ali, A. Begel, and W. Maalej, Eds., ACM, 2013, pp. 13–16. DOI: 10.1145/2501535.2501538 2. [Online]. Available: https://doi.org/10.1145/2501535.2501538.
- [79] R. Prikladnicki, T. Duarte, T. Conte, F. Calefato, F. Lanubile, *et al.*, "Real-time machine translation for software development teams," 2013, pp. 25–26.
- [80] F. Calefato and F. Lanubile, "Augmenting social awareness in a collaborative development environment," in 5th International Workshop on Co-operative and Human Aspects of Software Engineering, CHASE 2012, Zurich, Switzerland, June 2, 2012, H. Sharp, Y. Dittrich, C. R. B. de Souza, M. Cataldo, and R. Hoda, Eds., IEEE Computer Society, 2012, pp. 12–14. DOI: 10.1109/CHASE.2012.6223009 亿. [Online]. Available: https://doi.org/10.1109/CHASE.2012.6223009.
- [81] F. Calefato and F. Lanubile, "Social awareness for global software teams," in 2012 IEEE Seventh International Conference on Global Software Engineering, Porto Alegre, Rio Grande do Sul, Brazil, August 27-30, 2012, IEEE Computer Society, 2012, p. 183. DOI: 10.1109/ICGSE.2012.31 . [Online]. Available: https://doi.org/10.1109/ICGSE.2012.31.
- [82] F. Calefato, F. Lanubile, T. Conte, and R. Prikladnicki, "Assessing the impact of real-time machine translation on requirements meetings: A replicated experiment," in 2012 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM '12, Lund, Sweden September 19 20, 2012, P. Runeson, M. Höst, E. Mendes, A. A. Andrews, and R. Harrison, Eds., ACM, 2012, pp. 251–260. DOI: 10.1145/2372251.2372299 . [Online]. Available: https://doi.org/10.1145/2372251.2372299.
- [83] F. Calefato, F. Lanubile, and N. Novielli, "A social aggregator for smes," in *Intersocial Workshop on Online Social Networks: Challenges and Perspectives (IWOSN'12), Patras, Greece, Jun. 15, 2012*, 2012.
- [84] F. Calefato, F. Lanubile, *et al.*, "A planning poker tool for supporting collaborative estimation in distributed agile development," in *Proc. 6th Int. Conf. Softw. Eng. Adv. (ICSEA), Barcelona, Spain, 23-28 Oct. 2011*, 2011, pp. 14–19, ISBN: 978-1-61208-165-6.
- [85] F. Calefato, F. Lanubile, and R. Prikladnicki, "A controlled experiment on the effects of machine translation in multilingual requirements meetings," in 6th IEEE International Conference on Global Software Engineering, ICGSE 2011, Helsinki, Finland, August 15-18, 2011, IEEE Computer Society, 2011, pp. 94–102. DOI: 10.1109/ICGSE.2011.14 [C. [Online]. Available: https://doi.org/10.1109/ICGSE.2011.14.
- [86] F. Calefato, F. Lanubile, N. Sanitate, and G. Santoro, "Augmenting social awareness in a collaborative development environment," in *Proc. of the 4th Int'l Workshop on Social Software Engineering (SSE '11), Szeged, Hungary, 5 Sept 2011*, ser. SSE '11, Szeged, Hungary: ACM, 2011, pp. 39–42, ISBN: 978-1-4503-0850-2. DOI: 10.1145/2024645.2024656 . [Online]. Available: https://doi.org/10.1145/2024645.2024656.
- [87] F. Calefato, D. Gendarmi, and F. Lanubile, "Investigating the use of tags in collaborative development environments: A replicated study," in *Proceedings of the International Symposium on Empirical Software Engineering and Measurement, ESEM 2010, 16-17 September 2010, Bolzano/Bozen, Italy,* G. Succi, M. Morisio, and N. Nagappan, Eds., ACM, 2010. DOI: 10.1145/1852786.1852818 . [Online]. Available: https://doi.org/10.1145/1852786.1852818.
- [88] F. Calefato, F. Lanubile, and P. Minervini, "Can real-time machine translation overcome language barriers in distributed requirements engineering?" In 5th IEEE International Conference on Global Software Engineering, ICGSE 2010, Princeton, NJ, USA, 23-26 August, 2010, IEEE Computer Society, 2010, pp. 257–264. DOI: 10.1109/ICGSE.2010.37 . [Online]. Available: https://doi.org/10.1109/ICGSE.2010.37.
- [89] F. Abbattista *et al.*, "Virtual worlds, do we really need the third dimension to support collaborative learning," in *Virtual Worlds for academic, organizational, and life-long learning-ViWo 2009 Workshop-ICWL, Aachen, Germany, 19-21 Aug. 2009*, 2009.
- [90] F. Calefato, D. Gendarmi, and F. Lanubile, "Embedding social networking information into jazz to foster group awareness within distributed teams," in *Proceedings of the 2nd International Workshop on Social Software Engineering and Applications, SoSEA '09, Amsterdam, The Netherlands, August 24, 2009*, I. Hammouda, F. Lanubile, J. Bosch, and M. Jazayeri, Eds., ACM, 2009, pp. 23–28. DOI: 10.1145/1595836.1595842 🗹. [Online]. Available: https://doi.org/10.1145/1595836.1595842.

- [91] F. Abbattista, F. Calefato, D. Gendarmi, and F. Lanubile, "Incorporating social software into distributed agile development environments," in 23rd IEEE/ACM International Conference on Automated Software Engineering Workshop Proceedings (ASE Workshops 2008), 15-16 September 2008, L'Aquila, Italy, IEEE, 2008, pp. 46–51. DOI: 10.1109/ASEW.2008.4686310 . [Online]. Available: https://doi.org/10.1109/ASEW.2008.4686310.
- [92] F. Calefato and M. Scalas, "Adopting the eclipse communication framework: The case of econference," in *Proceedings of the 3rd Italian Workshop on Eclipse Technologies, Eclipse-IT 2008, Bari, Italy, November 17-18, 2008*, F. Lanubile, Ed., ser. CEUR Workshop Proceedings, vol. 436, CEUR-WS.org, 2008. [Online]. Available: https://ceur-ws.org/Vol-436/paper7.pdf.
- [93] F. Abbattista, F. Calefato, D. Gendarmi, and F. Lanubile, "Shaping personal information spaces from collaborative tagging systems," in *Knowledge-Based Intelligent Information and Engineering Systems, 11th International Conference, KES 2007, XVII Italian Workshop on Neural Networks, Vietri sul Mare, Italy, September 12-14, 2007, Proceedings, Part III, B. Apolloni, R. J. Howlett, and L. C. Jain, Eds., ser. Lecture Notes in Computer Science, vol. 4694, Springer, 2007, pp. 728–735. DOI: 10.1007/978-3-540-74829-8_89 \arg. [Online]. Available: https://doi.org/10.1007/978-3-540-74829-8\5C_89.*
- [95] F. Calefato, D. Gendarmi, and F. Lanubile, "Towards social semantic suggestive tagging," in *Proceedings of the 4th Italian Semantic Web Workshop, Dipartimento di Informatica Universita' degli Studi di Bari Italy, 18-20 December, 2007*, G. Semeraro, E. D. Sciascio, C. Morbidoni, and H. Stoermer, Eds., ser. CEUR Workshop Proceedings, vol. 314, CEUR-WS.org, 2007. [Online]. Available: https://ceur-ws.org/Vol-314/40.pdf.
- [96] F. Calefato, D. Gendarmi, F. Lanubile, G. Semeraro, *et al.*, "Towards social semantic suggestive tagging in a digital repository of bookmarks," in *2nd DELOS Conference on Digital Libraries, Tirrenia, Italy, 5-7 Dec. 2007*, 2007.
- [97] F. Calefato, F. Lanubile, and T. Mallardo, "A controlled experiment on the effects of synchronicity in remote inspection meetings," in *Proceedings of the First International Symposium on Empirical Software Engineering and Measurement, ESEM 2007, September 20-21, 2007, Madrid, Spain, ACM / IEEE Computer Society, 2007, pp. 473–475. DOI: 10.1109/ESEM.2007.61 [Colline]. Available: https://doi.org/10.1109/ESEM.2007.61.*
- [98] F. Calefato, F. Lanubile, M. Scalas, et al., "The evolution of the econference project," in *Proc. Int'l Conf. on Eclipse Technologies (Eclipse-IT 2007), Naples, Italy, 4-5 Oct. 2007*, 2007, pp. 4–5.
- [99] F. Calefato, F. Lanubile, and M. Scalas, "Evolving a text-based conferencing system: An experience report," in *Proceedings of the 3rd International Conference on Collaborative Computing: Networking, Applications and Worksharing, White Plains, New York, USA, November 12-15, 2007*, J. Quemada and T. Zhang, Eds., IEEE Computer Society / ICST, 2007, pp. 427–431. DOI: 10.1109/CDLCOM.2007.4553869 **C**. [Online]. Available: https://doi.org/10.1109/CDLCOM.2007.4553869.
- [100] F. Calefato, F. Lanubile, and M. Scalas, "Porting a distributed meeting system to the eclipse communication framework," in *Proceedings of the 2007 OOPSLA workshop on Eclipse Technology eXchange, ETX 2007, Montreal, Quebec, Canada, October 21, 2007*, L. Cheng, A. Orso, and M. P. Robillard, Eds., ACM, 2007, pp. 46–49. DOI: 10.1145/1328279.1328289 . [Online]. Available: https://doi.org/10.1145/1328279.1328289.
- [101] T. Mallardo, F. Calefato, F. Lanubile, and D. Damian, "The effects of communication mode on distributed requirements negotiations," in *Proceedings of the ICGSE Workshop on Global Requirements Engineering (GREW'07)*, Munich, Germany, 27-30 Aug. 2007, 2007.
- F. Calefato, A. Colagrossi, D. Gendarmi, F. Lanubile, and G. Semeraro, "An information broker for integrating heterogeneous hydrologic data sources: A web services approach," in *Research and Practical Issues of Enterprise Information Systems IFIP TC 8 International Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS 2006) April 24-26, 2006, Vienna, Austria, A. M. Tjoa, L. D. Xu, and S. S. Chaudhry, Eds., ser. IFIP, vol. 205, Springer, 2006, pp. 41–50. DOI: 10.1007/0-387-34456-X_5 \overline{L}. [Online]. Available: https://doi.org/10.1007/0-387-34456-X_5C 5.*

- [103] F. Calefato and F. Lanubile, "Plugging presence awareness into mozilla thunderbird," in *Proceedings of the IASTED International Conference on Internet and Multimedia Systems and Applications, as part of the 24th IASTED International Multi-Conference on Applied Informatics, February 13-15, 2006, Innsbruck, Austria, A. C. Boucouvalas, Ed., IASTED/ACTA Press, 2006, pp. 109–114.*
- [104] F. Calefato and F. Lanubile, "Using the econference tool for synchronous distributed requirements workshops," in *Proc. of the 1st Int'l Workshop on Distributed Software Development (DiSD'05), Paris, France, 29 Aug. 2005*, Austrian Computer Society, 2005, pp. 97–107.
- [105] F. Calefato, F. Lanubile, and T. Mallardo, "Peer-to-peer remote conferencing," in 26th Int'l Conf. on Software Engineering W12S Workshop "Third International Workshop on Global Software Development (GSD 2004), Edinburgh, Scotland, May 2004", 2004, pp. 34–38. DOI: 10.1049/ic:20040310 ...
 [Online]. Available: https://digital-library.theiet.org/doi/abs/10.1049/ic%3A20040310.
- [106] F. Calefato and F. Lanubile, "A decentralized conferencing tool for ad hoc distributed workgroups," in *Proc. ASE Workshop on Cooperative Support for Distributed Software Engineering Processes (CSSE'04)*, *Linz, Austria, 21 Sept. 2004*, Austrian Computer Society, 2004.
- [107] F. Lanubile, T. Mallardo, F. Calefato, C. Denger, and M. Ciolkowski, "Assessing the impact of active guidance for defect detection: A replicated experiment," in 10th IEEE International Software Metrics Symposium (METRICS 2004), 11-17 September 2004, Chicago, IL, USA, IEEE Computer Society, 2004, pp. 269–279. DOI: 10.1109/METRIC.2004.1357909 . [Online]. Available: https://doi.org/10.1109/METRIC.2004.1357909.

Books & Books Chapters

- [108] F. Calefato and F. Lanubile, "Social awareness as a trust building mechanism in global software teams," in CSCW'12 Workshop on The Future of Collaborative Software Development, Seattle, USA, Feb. 12 2012, 2012.
- [109] F. Calefato and F. Lanubile, "Global software and it: A guide to distributed development, projects, and outsourcing (c. ebert, ed.)," in C. Ebert, Ed. Wiley, 2011, ch. Practice: Collaborative Development Environments (Chapter 15), pp. 109–126, ISBN: 978-0-470-63619-0.