



Fabio Calefato

📍 Bari, Italy | ✉ fabio.calefato@uniba.it | ☎ 080 571 2213 | 🌐 collab.di.uniba.it/fabio
 🆔 0000-0003-2654-1588 | 📄 Google Scholar | 🔄 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. 107 608, 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. 107 561, 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, S. Baltes, N. van Berkel, *et al.*, "Generative AI in software engineering must be human-centered: The copenhagen manifesto," *J. Syst. Softw.*, vol. 216, p. 112 115, 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, P. Tell, R. Hebig, *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 🔗. [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. 33 189, 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 🔗. [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 [🔗](#). [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 [🔗](#). [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>.
- [22] 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 [🔗](#). [Online]. Available: <https://doi.org/10.1016/j.infsof.2017.10.009>.
- [23] F. Calefato, F. Lanubile, T. Conte, and R. Prikładnicki, "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 [🔗](#). [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>.
- [26] 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>.
- [27] T. Duarte, R. Prikładnicki, 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 [🔗](#). [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](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, F. Calefato, M. de Gemmis, *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, R. Oliveto, F. Palomba, *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, R. Oliveto, F. Palomba, *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, J. L. de la Vara, N. Condori-Fernández, *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 [🔗](https://doi.org/10.1145/3522664.3528612). [Online]. Available: <https://doi.org/10.1145/3522664.3528612>.
- [44] F. Lanubile, F. Calefato, L. Quaranta, M. Amoroso, 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 [🔗](https://doi.org/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 [🔗](https://doi.org/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 *AlxIA 2021 Discussion Papers co-located with the the 20th International Conference of the Italian Association for Artificial Intelligence (AlxIA2021), 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 [🔗](https://doi.org/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 [🔗](https://doi.org/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 [🔗](https://doi.org/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 [🔗](https://doi.org/10.1145/3379597.3387505). [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 [🔗](https://doi.org/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, R. Francese, M. W. M. Bannatyne, et al., Eds., IEEE Computer Society, 2018, pp. 512–517. DOI: 10.1109/IV.2018.00095 [🔗](https://doi.org/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 . [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 . [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>.
- [58] 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>.
- [59] 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_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 . [Online]. 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 . [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, pp. 13:1–13:10. DOI: 10.1145/2961111.2962585 . [Online]. Available: <https://doi.org/10.1145/2961111.2962585>.

- [65] 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*, 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. Prikładnicki, 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. Prikładnicki, 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, D. F. Redmiles, C. R. B. de Souza, 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 . [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 . [Online]. Available: <https://doi.org/10.1145/2501535.2501538>.
- [79] R. Prikładnicki, 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 . [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. Prikładnicki, “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. Prikładnicki, “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 . [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, F. Calefato, A. De Lucia, *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 . [Online]. Available: https://doi.org/10.1007/978-3-540-74829-8%5C_89.
- [94] F. Calefato, D. E. Damian, and F. Lanubile, "An empirical investigation on text-based communication in distributed requirements workshops," in *2nd IEEE International Conference on Global Software Engineering, ICGSE 2007, Munich, Germany, 27-30 August, 2007*, IEEE Computer Society, 2007, pp. 3–11. DOI: 10.1109/ICGSE.2007.9 . [Online]. Available: <https://doi.org/10.1109/ICGSE.2007.9>.
- [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 . [Online]. 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/COLCOM.2007.4553869 . [Online]. Available: <https://doi.org/10.1109/COLCOM.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.

- [102] 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 . [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.