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Supervisions

- **Ph.D. Thesis**

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	José Vicente Pereira dos Reis	Streamlining Code Smells: Using Collective Intelligence and Visualization	English	Iscte	--

Total Citations

Web of Science®	140
Scopus	277

Publications

• Scientific Journals

- Scientific journal paper

1	Reis, J., Brito e Abreu, F. & Figueiredo Carneiro, G. (2022). Crowdsmelling: A preliminary study on using collective knowledge in code smells detection. Empirical Software Engineering. 27 (3) - Times Cited Web of Science®: 14 - Times Cited Scopus: 16 - Times Cited Google Scholar: 21
2	do Nascimento, C. H. A., Carneiro, G., Costa, E. S. M. & Munson, E. V. (2017). An infrastructure to support the visual analysis of data from the Brazilian public health system. Journal of Software. 12 (8), 612-630

- Review article

1	Pereira dos Reis, J., Brito e Abreu, F., Carneiro, G. & Anslow, C. (2022). Code smells detection and visualization: A systematic literature review. Archives of Computational Methods in Engineering. 29, 47-94 - Times Cited Web of Science®: 44 - Times Cited Scopus: 44 - Times Cited Google Scholar: 102
2	Aloisio S. C., Carneiro, G. F. & Monteiro, M. P. (2018). The impact of code smells on software bugs: a systematic literature review. Information. 9 (11) - Times Cited Web of Science®: 21 - Times Cited Scopus: 40
3	da Silva, A. C. B. G., Carneiro, G. F., Brito e Abreu, F. & Monteiro, M. P. (2017). Frequent releases in open source software: a systematic review. Information. 8 (3) - Times Cited Scopus: 6 - Times Cited Google Scholar: 10

• Books and Book Chapters

- Book author

1	Antonio Carlos Marcelino de Paula & Carneiro, G. (2016). Communications in Computer and Information Science. - Times Cited Web of Science®: 5 - Times Cited Scopus: 5
2	Carneiro, G. (2016). Advances in Intelligent Systems and Computing. - Times Cited Scopus: 5
3	Carneiro, G. (2016). Advances in Intelligent Systems and Computing. - Times Cited Scopus: 2
4	Carneiro, G. (2016). Advances in Intelligent Systems and Computing. - Times Cited Web of Science®: 4
5	Antonio Carlos Marcelino de Paula & Carneiro, G. (2016). Communications in Computer and Information Science.

6	Carneiro, G. (2014). Lecture Notes in Business Information Processing. - Times Cited Web of Science®: 5
7	Carneiro, G. (2012). Lecture Notes in Business Information Processing.
8	Carneiro, G. (2012). Lecture Notes in Business Information Processing.
9	Carneiro, G. (2012). Lecture Notes in Business Information Processing.

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Reis, J. P. dos., Brito e Abreu, F., Carneiro, G. de F. & Almeida, D. (2023). Scientific workflow management for software quality assessment replication: An open source architecture. In Fernandes, J. M., Travassos, G. H., Lenarduzzi, V., and Li, X. (Ed.), Quality of Information and Communications Technology. Communications in Computer and Information Science. (pp. 1-14). Aveiro, Portugal: Springer.
2	Cairo, A. S., Carneiro, G. DE F., Resende, A. M. P. & Brito e Abreu, F. (2019). The influence of god class and long method in the occurrence of bugs in two open source software projects: an exploratory study. In Proceedings of the International Conference on Software Engineering and Knowledge Engineering, SEKE. (pp. 199-204). Lisboa: Knowledge Systems Institute Graduate School. - Times Cited Scopus: 5 - Times Cited Google Scholar: 5
3	Cairo, L., Monteiro, M. P., Carneiro, G. de F. & Brito e Abreu, F. (2019). Towards the use of machine learning algorithms to enhance the effectiveness of search strings in secondary studies. In Proceedings of the XXXIII Brazilian Symposium on Software Engineering. (pp. 22-26). Salvador, Brazil: ACM Press. - Times Cited Web of Science®: 3 - Times Cited Scopus: 5 - Times Cited Google Scholar: 5
4	Mariano, T., Carneiro, G., P. Monteiro, Miguel, Monteiro, M., Brito e Abreu, F. & Munson, E. (2018). A parser and a software visualization environment to support the comprehension of MATLAB/Octave programs. In Slimane Hammoudi, Michal Smialek, Olivier Camp, Joaquim Filipe (Ed.), 20th International Conference on Enterprise Information Systems, ICEIS 2018. (pp. 179-186). Funchal: SCITEPRESS.
5	Silva, A. C. B. G. da., Carneiro, G. de F., Monteiro, M. P., Brito e Abreu, F., Constantino, K. & Figueiredo, E. (2018). On the impact of product quality attributes on open source project evolution. In Latifi, S. (Ed.), Information Technology - New Generations. Advances in Intelligent Systems and Computing. (pp. 613-620). Las Vegas: Springer Cham.
6	Silva Filho, H. C. DA & Carneiro, G. DE F. (2018). An action research study towards the use of cloud computing scenarios in undergraduate Computer Science courses. In E. Damiani , L. Maciaszek, G. Spanoudakis (Ed.), 13th International Conference on Evaluation of Novel Approaches to Software Engineering, ENASE 2018. (pp. 15-25). Funchal: SciTePress. - Times Cited Web of Science®: 1 - Times Cited Scopus: 2
7	Silvam, A. C. B., Kattiana Constantino, Carneiro, G., Antonio Carlos Marcelino de Paula, Carneiro, G., P. Monteiro, Miguel...Brito e Abreu, F. (2017). The influence of software product quality attributes on open source projects: a characterization study. In Filipe J.,Filipe J.,Smialek M.,Hammoudi S.,Camp O. (Ed.), 19th International Conference on Enterprise Information Systems, ICEIS 2017. (pp. 29-39). Porto: SciTePress.

8	Reis, J. P., Abreu, F. B. & Carneiro, G. F. (2017). Code smells detection 2.0: Crowdsmelling and visualization. In Reis, L. P., Rocha, A., Alturas, B., Costa, C. and Cota, M. P. (Ed.), 2017 12th Iberian Conference on Information Systems and Technologies (CISTI). (pp. 1764-1768). Lisbon, Portugal: IEEE. - Times Cited Web of Science®: 2 - Times Cited Scopus: 6 - Times Cited Google Scholar: 12
9	De Paula, A. C. M., De Figueiredo Carneiro, G. & Maciel, R. S. P. (2017). A characterization of cloud computing adoption based on literature evidence. In 19th International Conference on Enterprise Information Systems, ICEIS 2017. (pp. 53-63).: SciTePress. - Times Cited Web of Science®: 1
10	Silva, A. C. B. G. da., Carneiro, G. de F., Paula, A. C. M. de., Monteiro, M. P. & Abreu, F. B. e. (2016). Agility and quality attributes in open source software projects release practices. In Paulk, M., Brito, M. A., Amaral, V., Machado, R. J. and Goulão, M. (Ed.), 2016 10th International Conference on the Quality of Information and Communications Technology (QUATIC). (pp. 107-112). Lisbon: IEEE. - Times Cited Web of Science®: 2 - Times Cited Scopus: 2 - Times Cited Google Scholar: 3
11	Paula, A. & Carneiro, G. (2016). Cloud computing adoption, cost-benefit relationship and strategies for selecting providers: A systematic review. In ENASE 2016 - Proceedings of the 11th International Conference on Evaluation of Novel Software Approaches to Software Engineering. (pp. 27-39). Roma: Scitepress. - Times Cited Web of Science®: 1
12	Reis, J. P. dos, Abreu, F. B. e & Carneiro, G. de F. (2016). Code smells incidence: Does it depend on the application domain?. In Paulk, M., Brito, M. A., Amaral, V., Machado, R. J. and Goulão, M. (Ed.), 2016 10th International Conference on the Quality of Information and Communications Technology (QUATIC). (pp. 172-177). Lisbon: IEEE. - Times Cited Web of Science®: 8 - Times Cited Scopus: 8 - Times Cited Google Scholar: 10
13	Lessa, I., Carneiro, G., Monteiro, M. & Brito e Abreu, F. (2015). A multiple view interactive environment to support MATLAB and GNU/Octave program comprehension. In Lisa O'Conner (Ed.), ITNG 2015 : 12th International Conference on Information Technology: New Generations : proceedings. Las Vegas: IEEE. - Times Cited Web of Science®: 1 - Times Cited Scopus: 6 - Times Cited Google Scholar: 9
14	Lessa, I., Carneiro, G., Monteiro, M & Brito e Abreu, F. (2015). Scaffolding MATLAB and octave software comprehension through visualization. In Haiping Xu, Kehan Gao, Shihong Huang (Ed.), Proceedings of the 27th International Conference on Software Engineering and Knowledge Engineering. Pittsburgh: KSI Research. - Times Cited Scopus: 4 - Times Cited Google Scholar: 4
15	Lessa, I. M., Carneiro, G., Monteiro, M. P. & Brito e Abreu, F. (2015). On the use of a multiple view interactive environment for MATLAB and octave program comprehension. In Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Marina L. Gavrilova, Ana Maria Alves Coutinho Rocha, Carmelo Torre, David Taniar, Bernady O. ApduhanBernady O. Apduhan (Ed.), Computational Science and Its Applications -- ICCSA 2015. ICCSA 2015. Lecture Notes in Computer Science. (pp. 640-654). Banff: Springer. - Times Cited Web of Science®: 1 - Times Cited Scopus: 3 - Times Cited Google Scholar: 2

16	Lessa, I. M., Carneiro, G., P. Monteiro, Miguel, Monteiro, M. P. & Brito e Abreu, F. (2015). A concern visualization approach for improving MATLAB and octave program comprehension. In 2015 29th Brazilian Symposium on Software Engineering. Belo Horizonte: IEEE. - Times Cited Web of Science®: 3 - Times Cited Scopus: 3 - Times Cited Google Scholar: 3
17	Carneiro, G. (2014). Towards the development of a framework for multiple view interactive environments. In 11th International Conference on Information Technology: New Generations, ITNG 2014.: IEEE. - Times Cited Web of Science®: 1 - Times Cited Scopus: 2
18	Conceição, C., Carneiro, G. & Brito e Abreu, F. (2014). Streamlining code smells: Using collective intelligence and visualization. In Alberto Rodrigues da Silva, António Rito Silva, Miguel A. Brito, Ricardo J. Machado (Ed.), Proceedings 9th International Conference on the Quality of Information and Communications Technology QUATIC 2014. (pp. 306-311). Guimarães: IEEE Computer Society. - Times Cited Web of Science®: 5 - Times Cited Scopus: 5 - Times Cited Google Scholar: 6

- Talk

1	Antonio César Brandão Gomes da Silva, Carneiro, G., Antonio Carlos Marcelino de Paula, P. Monteiro, Miguel & Brito e Abreu, F. (2016). Agility and Quality Attributes in Open Source Software Projects Release Practices. 10th International Conference on the Quality of Information and Communications Technology (QUATIC'2016).
2	Reis, J., Brito e Abreu, F. & Carneiro, G. (2016). Code smells incidence: does it depend on the application domain?. 10th International Conference on the Quality of Information and Communications Technology (QUATIC'2016). - Times Cited Web of Science®: 4
3	Ivan de M. Lessa, Carneiro, G., P. Monteiro, Miguel & Brito e Abreu, F. (2015). On the Use of a Multiple View Interactive Environment for MATLAB and Octave Program Comprehension. 15th International Conference on Computational Science and Its Applications (ICCSA 2015).
4	Ivan de M. Lessa, Carneiro, G., P. Monteiro, Miguel & Brito e Abreu, F. (2015). A Concern Visualization Approach for Improving MATLAB and Octave Program Comprehension. 29th Brazilian Symposium on Software Engineering (SBES). - Times Cited Web of Science®: 2
5	Carlos Fábio Ramos Conceição, Carneiro, G. & Brito e Abreu, F. (2014). Streamlining Code Smells:Using Collective Intelligence and Visualization. 9th International Conference on the Quality of Information and Communications Technology (QUATIC'2014). - Times Cited Web of Science®: 4

• Other Publications

- Non-peer-reviewed papers

1	Carneiro, G. (2016). Challenges and opportunities in the software process improvement in Small and Medium Enterprises: A field study. ICEIS 2016 - Proceedings of the 18th International Conference on Enterprise Information Systems. - Times Cited Web of Science®: 1 - Times Cited Scopus: 1

2	Carneiro, G. (2015). A Multiple View Interactive Environment to Support MATLAB and GNU/Octave Program Comprehension. Information Technology - New Generations (ITNG), 2015 12th International Conference on.
3	Carneiro, G. (2014). A decision process to migrate legacy systems to SOA. ITNG 2014 - Proceedings of the 11th International Conference on Information Technology: New Generations.
4	Carneiro, G. (2014). Streamlining code smells: Using collective intelligence and visualization. Proceedings - 2014 9th International Conference on the Quality of Information and Communications Technology, QUATIC 2014.
5	Carneiro, G. (2013). SourceMiner: Towards an Extensible Multi-perspective Software Visualization Environment. Enterprise Information Systems - 15th International Conference, ICEIS 2013, Angers, France, July 4-7, 2013, Revised Selected Papers. - Times Cited Scopus: 4
6	Carneiro, G. (2013). SourceMiner - A Multi-perspective Software Visualization Environment. ICEIS 2013 - Proceedings of the 15th International Conference on Enterprise Information Systems, Volume 2, Angers, France, 4-7 July, 2013.
7	Carneiro, G. (2013). SourceMiner - A Multi-perspective Software Visualization Environment. ICEIS 2013 - Proceedings of the 15th International Conference on Enterprise Information Systems, Volume 2, Angers, France, 4-7 July, 2013.
8	Carneiro, G. (2013). SourceMiner: A multi-perspective software visualization environment. ICEIS 2013 - Proceedings of the 15th International Conference on Enterprise Information Systems. - Times Cited Scopus: 9
9	Carneiro, G. (2013). SourceMiner: Towards an Extensible Multi-perspective Software Visualization Environment. Enterprise Information Systems - 15th International Conference, ICEIS 2013, Angers, France, July 4-7, 2013, Revised Selected Papers.
10	Carneiro, G. (2011). On the Use of Software Visualization to Analyze Software Evolution: An Interactive Differential Approach. Enterprise Information Systems - 13th International Conference, ICEIS 2011, Beijing, China, June 8-11, 2011, Revised Selected Papers.
11	Carneiro, G. (2011). An interactive differential and temporal approach to visually analyze software evolution. Proceedings of VISSOFT 2011 - 6th IEEE International Workshop on Visualizing Software for Understanding and Analysis.
12	Carneiro, G. (2011). An interactive differential and temporal approach to visually analyze software evolution. Proceedings of the 6th IEEE International Workshop on Visualizing Software for Understanding and Analysis, VISSOFT 2011, Williamsburg, VA, USA, September 29-30, 2011.
13	Carneiro, G. (2011). On the use of software visualization to analyze software evolution: An interactive differential approach. ICEIS 2011 - Proceedings of the 13th International Conference on Enterprise Information Systems.
14	Carneiro, G. (2011). An interactive differential and temporal approach to visually analyze software evolution. Proceedings of the 6th IEEE International Workshop on Visualizing Software for Understanding and Analysis, VISSOFT 2011, Williamsburg, VA, USA, September 29-30, 2011.

15	Carneiro, G. (2011). On the Use of Software Visualization to Analyze Software Evolution - An Interactive Differential Approach. ICEIS 2011 - Proceedings of the 13th International Conference on Enterprise Information Systems, Volume 3, Beijing, China, 8-11 June, 2011. - Times Cited Scopus: 6
16	Carneiro, G. (2011). On the Use of Software Visualization to Analyze Software Evolution: An Interactive Differential Approach. Enterprise Information Systems - 13th International Conference, ICEIS 2011, Beijing, China, June 8-11, 2011, Revised Selected Papers. - Times Cited Scopus: 5
17	Carneiro, G. (2011). An interactive differential and temporal approach to visually analyze software evolution. Proceedings of the 6th IEEE International Workshop on Visualizing Software for Understanding and Analysis, VISSOFT 2011, Williamsburg, VA, USA, September 29-30, 2011. - Times Cited Scopus: 8
18	Carneiro, G. (2011). An interactive differential and temporal approach to visually analyze software evolution. Proceedings of the 6th IEEE International Workshop on Visualizing Software for Understanding and Analysis, VISSOFT 2011, Williamsburg, VA, USA, September 29-30, 2011.
19	Carneiro, G. (2011). On the Use of Software Visualization to Analyze Software Evolution - An Interactive Differential Approach. ICEIS 2011 - Proceedings of the 13th International Conference on Enterprise Information Systems, Volume 3, Beijing, China, 8-11 June, 2011.
20	Carneiro, G. (2010). Identifying code smells with multiple concern views. Proceedings - 24th Brazilian Symposium on Software Engineering, SBES 2010. - Times Cited Scopus: 51
21	Carneiro, G. (2010). Identifying Code Smells with Multiple Concern Views. 24th Brazilian Symposium on Software Engineering, SBES 2010, Salvador, Bahia, Brazil, September 27 - October 1, 2010.
22	Carneiro, G. (2009). An experimental platform to characterize software comprehension activities supported by visualization. 2009 31st International Conference on Software Engineering - Companion Volume, ICSE 2009. - Times Cited Web of Science®: 2 - Times Cited Scopus: 5
23	Carneiro, G. (2009). Proposing a visual approach to support the characterization of software comprehension activities. IEEE International Conference on Program Comprehension. - Times Cited Web of Science®: 2 - Times Cited Scopus: 3
24	Carneiro, G. (2008). Combining software visualization paradigms to support software comprehension activities. SOFTVIS 2008 - Proceedings of the 4th ACM Symposium on Software Visualization. - Times Cited Web of Science®: 2 - Times Cited Scopus: 8
25	Carneiro, G. (2008). Evaluating the usefulness of software visualization in supporting software comprehension activities. ESEM'08: Proceedings of the 2008 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement. - Times Cited Web of Science®: 1 - Times Cited Scopus: 6
26	Carneiro, G. (2007). Empirically evaluating the usefulness of software visualization techniques in program comprehension activities. VI Jornadas Iberoamericanas de Ingenieria de Software e Ingenieria del Conocimiento 2007, JIISIC 2007. - Times Cited Scopus: 1

- Other publications

1	Aloisio Cairo, Carneiro, G. & P. Monteiro, Miguel (2018). The Impact of Code Smells on Software Bugs: a Systematic Literature Review. - Times Cited Scopus: 1