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PUBLICATIONS

Publications

[Scopus](#)

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[DBLP](#)

[Google Scholar](#)

[Research Gate](#)

Journal:

- [1] [R. Al-Msie'deen](#), "Smart Cities: Definitions, Architectures, Technologies, Life Cycle, Domains, Challenges, Opportunities, and the Case of Amman," *Journal of Engineering for Sustainable Buildings and Cities*, vol. 6, no. 3, pp. 1–22, 2025. [\[DOI\]](#)
- [2] [R. Al-Msie'deen](#), "Smart and Sustainable Cities: The Case of Amman, Jordan," *International Journal of Mechatronics, Robotics, and Artificial Intelligence*, vol. 1, no. 1, pp. 45–53, 2025.
- [3] [R. Al-Msie'deen](#), "ScaMaha: A Tool for Parsing, Analyzing, and Visualizing Object-Oriented Software Systems," *International Journal of Computing and Digital Systems*, vol. 17, no. 1, pp. 1–20, 2025.
- [4] [R. Al-Msie'deen](#), "BushraDBR: An Automatic Approach to Retrieving Duplicate Bug Reports," *International Journal of Computing and Digital Systems*, vol. 15, no. 1, pp. 221–238, 2024.
- [5] [R. Al-Msie'deen](#), "Requirements Traceability: Recovering and Visualizing Traceability Links Between Requirements and Source Code of Object-oriented Software Systems," *International Journal of Computing and Digital Systems*, vol. 14, no. 1, pp. 279–295, 2023.
- [6] A. Al Nawaiseh, A. Albtoush, [R. Al-Msie'deen](#), and S. Al Nawaiseh, "Evaluate database management system quality by analytic hierarchy process (AHP) and simple additive weighting (SAW) methodolog," *MENDEL*, vol. 28, no. 2, pp. 67–75, Dec. 2022.
- [7] [R. Al-Msie'deen](#), H. E. Salman, A. H. Blasi, and M. A. AlsawaiKet, "Naming the identified feature implementation blocks from software source code," *Journal of Communications Software and Systems*, vol. 18, no. 2, pp. 101–110, 2022.
- [8] [R. Al-Msie'deen](#), A. H. Blasi, H. E. Salman, S. S. Alja'afreh, A. Abadleh, M. A. AlsawaiKet, A. Ham-mouri, A. J. Al_Nawaiseh, W. Tarawneh, and S. A. Al-Showarah, "Detecting commonality and variability in use-case diagram variants," *Journal of Theoretical and Applied Information Technology*, vol. 100, no. 4, pp. 1113–1126, 2022.

- [9] A. Abadleh, A. Al-saraireh, H. E. Salman, A. Al-akasesbeh, S. Alja'afreh, A. Hammouri, [R. Al-Msie'deen](#), and A. Hassanat, "Covid-19 disease recognition using distributed data mining and deep learning," *Journal of Theoretical and Applied Information Technology*, vol. 100, no. 2, pp. 469–479, 2022.
- [10] [R. Al-Msie'deen](#), "Softcloud: A tool for visualizing software artifacts as tag clouds," *Mutah Lil-Buhuth wad-Dirasat - Natural and Applied Sciences Series*, vol. 37, no. 2, pp. 93–116, 2022.
- [11] [R. Al-Msie'deen](#), A. H. Blasi, and M. A. Alsuwaiket, "Constructing a software requirements specification and design for electronic IT news magazine system," *International Journal of Advanced and Applied Sciences*, vol. 8, no. 11, pp. 104–118, 2021.
- [12] [R. Al-Msie'deen](#) and A. H. Blasi, "Software evolution understanding: Automatic extraction of software identifiers map for object-oriented software systems," *Journal of Communications Software and Systems*, vol. 17, no. 1, pp. 20–28, 2021.
- [13] [R. Al-Msie'deen](#), "Tag clouds for software documents visualization," *International Journal on Informatics Visualization*, vol. 3, no. 4, pp. 361–364, 2019.
- [14] [R. Al-Msie'deen](#), "Tag clouds for object-oriented source code visualization," *Engineering, Technology & Applied Science Research*, vol. 9, no. 3, pp. 4243–4248, 2019.
- [15] M. Alsuwaiket, A. Blasi, and [R. Al-Msie'deen](#), "Formulating module assessment for improved academic performance predictability in higher education," *Engineering, Technology & Applied Science Research*, vol. 9, no. 3, p. 4287–4291, 2019.
- [16] [R. Al-Msie'deen](#) and A. Blasi, "Supporting software documentation with source code summarization," *International Journal of Advanced and Applied Sciences*, vol. 6, no. 1, p. 59–67, 2019.
- [17] [R. Al-Msie'deen](#) and A. Blasi, "The impact of the object-oriented software evolution on software metrics: The iris approach," *Indian Journal of Science and Technology*, vol. 11, no. 8, pp. 1–8, 2018.
- [18] [R. Al-Msie'deen](#), "Automatic labeling of the object-oriented source code: The lotus approach," *Science International-Lahore*, vol. 30, no. 1, pp. 45–48, 2018.
- [19] A. Al-Shamailh, [R. Al-Msie'deen](#), and A. Alsarhan, "Comparison between the rules of data storage tools," *International Journal of Database Theory and Application*, vol. 8, no. 1, pp. 129–136, 2015.
- [20] [R. Al-Msie'deen](#), "Visualizing object-oriented software for understanding and documentation," *International Journal of Computer Science and Information Security*, vol. 13, no. 5, p. 18–27, 2015.
- [21] [R. Al-Msie'deen](#), M. Huchard, A. Seriai, C. Urtado, and S. Vauttier, "Automatic documentation of [mined] feature implementations from source code elements and use-case diagrams with the REVPLINE approach," *Int. J. Softw. Eng. Knowl. Eng.*, vol. 24, no. 10, pp. 1413–1438, 2014.
- [22] A. M. Alfrijat and [R. Al-Msie'deen](#), "A requirement model of local news WAP/WEB application for rural community," *Advances in Computer Science and Engineering*, vol. 4, no. 1, pp. 37–53, 2010.

Book:

- [1] [R. Al-Msie'deen](#), *Object-oriented Software Documentation*. Lap Lambert Academic Publishing, 2019.
 - [2] [R. Al-Msie'deen](#), A. Seriali, and M. Huchard, *Reengineering Software Product Variants Into Software Product Line: REVPLINE Approach*. Lap Lambert Academic Publishing, 2014.
 - [3] [R. Al-Msie'deen](#), *A Requirement Model of Local News Application for Rural Communities: A New Model for Rural News*. Lap Lambert Academic Publishing, 2014.
 - [4] [R. Al-Msie'deen](#), M. Huchard, and C. Urtado, *Reverse Engineering Feature Models*. Lap Lambert Academic Publishing, 2014.
 - [5] [R. Al-Msie'deen](#), *Feature Location in a Collection of Software Product Variants*. Lap Lambert Academic Publishing, 2014.
-

International Conference:

- [1] [R. Al-Msie'deen](#), M. Huchard, A. Seriali, C. Urtado, and S. Vauttier, "Reverse engineering feature models from software configurations using formal concept analysis," in *Proceedings of the Eleventh International Conference on Concept Lattices and Their Applications, Košice, Slovakia, October 7-10, 2014*. CEUR-WS.org, 2014, pp. 95–106.
 - [2] [R. Al-Msie'deen](#), A. Seriali, M. Huchard, C. Urtado, and S. Vauttier, "Documenting the mined feature implementations from the object-oriented source code of a collection of software product variants," in *The 26th International Conference on Software Engineering and Knowledge Engineering, Hyatt Regency, Vancouver, BC, Canada, July 1-3, 2013*. Knowledge Systems Institute Graduate School, 2014, pp. 138–143.
 - [3] [R. Al-Msie'deen](#), A. Seriali, M. Huchard, C. Urtado, S. Vauttier, and H. E. Salman, "Feature location in a collection of software product variants using formal concept analysis," in *Safe and Secure Software Reuse - 13th International Conference on Software Reuse, ICSR 2013, Pisa, Italy, June 18-20. Proceedings*. Springer, 2013, pp. 302–307.
 - [4] [R. Al-Msie'deen](#), A. Seriali, M. Huchard, C. Urtado, and S. Vauttier, "Mining features from the object-oriented source code of software variants by combining lexical and structural similarity," in *IEEE 14th International Conference on Information Reuse & Integration, IRI 2013, San Francisco, CA, USA, August 14-16, 2013*. IEEE, 2013, pp. 586–593.
 - [5] [R. Al-Msie'deen](#), A. Seriali, M. Huchard, C. Urtado, S. Vauttier, and H. E. Salman, "Mining features from the object-oriented source code of a collection of software variants using formal concept analysis and latent semantic indexing," in *The 25th International Conference on Software Engineering and Knowledge Engineering, Boston, MA, USA, June 27-29, 2013*. Knowledge Systems Institute Graduate School, 2013, pp. 244–249.
 - [6] [R. Al-Msie'deen](#), M. Huchard, A. D. Seriali, C. Urtado, S. Vauttier, and A. Al-Khlifat, "Concept lattices: A representation space to structure software variability," in *Information and Communication Systems (ICICS), 2014 5th International Conference on*, Irbid, Jordan, April 2014, pp. 1–6.
-

International Workshop:

- [1] [R. Al-Msie'deen](#), A. D. Seriai, M. Huchard, C. Urtado, S. Vauttier, and H. E. Salman, "An approach to recover feature models from object-oriented source code," in *Actes de la Journée Lignes de Produits 2012*, Lille, France, November 2012, pp. 15–26.
 - [2] [R. Al-Msie'deen](#), A. D. Seriai, M. Huchard, C. Urtado, S. Vauttier, and H. E. Salman, "Feature mining from a collection of software product variants," in *Actes de la Journées GDR - GPL - CIEL - AFADL 2013*, Nancy, France, April 2013, pp. 1–2.
 - [3] H. E. Salman, A. Seriai, C. Dony, and [R. Al-Msie'deen](#), "Recovering traceability links between feature models and source code of product variants," in *Proceedings of the VARIability for You Workshop: Variability Modeling Made Useful for Everyone*, ser. VARY '12. New York, NY, USA: ACM, 2012, pp. 21–25.
 - [4] H. E. Salman, A. Seriai, C. Dony, and [R. Al-Msie'deen](#), "Identifying traceability links between product variants and their features," in *REVE'2013: 1st International workshop on Reverse Variability Engineering*, 2013, pp. 17–23.
 - [5] H. E. Salman, A. Seriai, C. Dony, and [R. Al-Msie'deen](#), "Genetic algorithms as recovering traceability links method between feature models and source code of product variants," in *Actes de la Journée Lignes de Produits 2012*, Lille, France, November 2012, pp. 3–14.
-

Poster:

- [1] [R. Al-Msie'deen](#), A. Seriai, M. Huchard, C. Urtado, S. Vauttier, and H. E. Salman, "A methodology to recover feature models from object-oriented source code," Innsbruck, Austria, September 2012.
-

Doctoral Symposium:

- [1] [R. Al-Msie'deen](#), "Mining feature models from the object-oriented source code of a collection of software product variants," in *Doctoral Symposium of ECOOP'13*, Montpellier, France, July 2013, pp. 1–10.
-

PhD dissertation & Master thesis:

- [1] [R. Al-Msie'deen](#), "Reverse engineering feature models from software variants to build software product lines: REVPLINE approach," Ph.D. dissertation, University of Montpellier, Montpellier - France, 2014. [Online]. Available: <https://tel.archives-ouvertes.fr/tel-01015102>
- [2] [R. Al-Msie'deen](#), "A requirement model of local news WEB/WAP application for rural communities," Master's thesis, Universiti Utara Malaysia, Utara - Malaysia, 2008. [Online]. Available: <http://etd.uum.edu.my/498/>

