Ra'Fat A. AL-Msie'Deen

Publications



SE Dept., IT Faculty, Mutah Univ., Alkarak - Jordan, PO Box 61710 00962795423410

✓ rafatals3ode@gmail.com

https://rafat66.github.io/Al-Msie-Deen/

in Linkedin

RafatALs3ode

Orcid

PUBLICATIONS

Journal:

- [1] 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. [Online]. Available: https://arxiv.org/pdf/2307.05188.pdf
- [2] A. Al Nawaiseh, A. Albtoush, <u>R. Al-Msie'deen</u>, 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. [Online]. Available: https://mendel-journal.org/index.php/mendel/article/view/202
- [3] R. Al-Msie'deen, H. E. Salman, A. H. Blasi, and M. A. Alsuwaiket, "Naming the identified feature implementation blocks from software source code," *Journal of Communications Software and Systems*, vol. 18, no. 2, pp. 101–110, 2022.
- [4] R. Al-Msie'deen, A. H. Blasi, H. E. Salman, S. S. Alja'afreh, A. Abadleh, M. A. Alsuwaiket, A. Hammouri, 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.
- [5] A. Abadleh, A. Al-saraireh, H. E. Salman, A. Al-akasasbeh, S. Alja'afreh, A. Hammouri, <u>R. Al-Msie'deen</u>, 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.
- [6] 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.
- [7] 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.
- [8] 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.

- [9] R. Al-Msie'deen, "Tag clouds for software documents visualization," *International Journal on Informatics Visualization*, vol. 3, no. 4, pp. 361–364, 2019.
- [10] 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.
- [11] 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.
- [12] 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.
- [13] <u>R. Al-Msie'deen</u> 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.
- [14] 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.
- [15] A. Al-Shamailh, <u>R. Al-Msie'deen</u>, 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. [Online]. Available: http://article.nadiapub.com/IJDTA/vol8_no1/14.pdf
- [16] 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.
- [17] 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.
- [18] 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, A. Seriai, and M. Huchard, Reengineering Software Product Variants Into Software Product Line: REVPLINE Approach. Lap Lambert Academic Publishing, 2014.
- [2] 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.
- [3] R. Al-Msie'deen, M. Huchard, and C. Urtado, Reverse Engineering Feature Models. Lap Lambert Academic Publishing, 2014.
- [4] R. Al-Msie'deen, Feature Location in a Collection of Software Product Variants. Lap Lambert Academic Publishing, 2014.
- [5] <u>R. Al-Msie'deen</u>, Object-oriented Software Documentation. Lap Lambert Academic Publishing, 2019.

International Conference:

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

Publications in Google Scholar & Scopus:

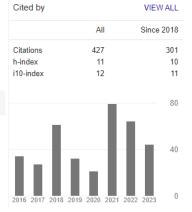


Ra'Fat AL-Msie'Deen 🗸

Associate Professor / Researcher in software engineering @ Mutah University Verified email at mutah.edu.jo - Homepage

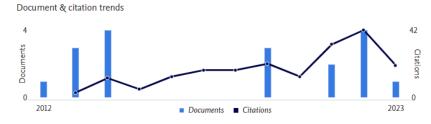
Software Engineering Requirements Engineering Software Product Line Formal Concept Analysis Software Reuse

TITLE		:	CITED BY	YEAR
R Al-msie	deen, AD	n in a collection of software product variants using formal concept analysis Seriai, M Huchard, C Urtado, S Vauttier, HE Salman rence on Software Reuse, 302-307	66	2013
using fo	rmal cor deen, AD	from the object-oriented source code of a collection of software variants neept analysis and latent semantic indexing Seriai, M Huchard, C Urtado, S Vauttier, HE Salman Igineering and Knowledge Engineering	43	2013



Al-Msie'Deen, Ra'Fat

190 18 8
Citations by 102 documents Documents h-index View h-graph



Most contributed Topics 2018-2022 ①

FOLLOWING

Software Product Lines; Software Design; Product Configuration 5 documents

Software Components; Decision Making; Commercial Off-The-Shelf 1 document

Data Mining; Clavier; User Studies 1 document

Dr. Ra'Fat AL-Msie'Deen 🎓 SE Dept., IT Faculty, Mutah Univ., Alkarak - Jordan, PO Box 61710

☐ https://rafat66.github.io/Al-Msie-Deen/ ☐ rafatals3ode@gmail.com