

Ra'Fat A. AL-MSIE'DEEN

Curriculum Vitae



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PERSONAL DETAILS

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|-------------|-------------------------------|
| Full Name | Ra'fat Ahmad Ali AL-MSIE'DEEN |
| Place O.B | Tafila – Jordan |
| Nationality | Jordanian |

RESUME

My name is Ra'Fat AL-MSIE'DEEN and I am an Associate Professor at the faculty of information technology in the department of software engineering at the Mutah University, Al Karak – Jordan. I received my PhD in software engineering from the University of Montpellier 2, Montpellier – France, in 2014. I received my Master's degree in Information Technology from University Utara Malaysia, Kedah – Malaysia, in 2009. I got my B.Sc. in Computer Science from Al-Hussein Bin Talal University, Ma'an – Jordan, in 2007. I have several publications in international journals, conferences and books. I taught several courses in computer science and supervised several B.Sc. students.

PHD DISSERTATION

Reverse Engineering Feature Models From Software Variants to Build Software Product Lines: RIVEPLINE Approach. ([UNIVERSITY OF MONTPELLIER, MONTPELLIER - FRANCE](#))

MASTER THESIS

A Requirement Model of Local News WEB/ WAP Application for Rural Communities. ([UNIVERSITY UTARA MALAYSIA, KEDAH – MALAYSIA](#))

SCHOLARSHIPS

A scholarship by the JOSYLEEN PROJECT - ERASMUS MUNDUS ACTION 2 towards PhD in computer science during the period of 2012 – 2014, Montpellier – France

ACADEMIC REFEREE

| | |
|-------------------|---|
| Marianne HUCHARD | Université de Montpellier @ Montpellier - France. |
| Wan OSMAN | Universiti Utara Malaysia @ Kedah - Malaysia. |
| Christelle URTADO | LG12P/Ecole des Mines d'Alès @ Nîmes - France. |

EDUCATION

PhD in Computer Science

June, 2014

University of Montpellier, Montpellier - France

Specialization: Software Engineering

TOPICS: Software Engineering and Software Product Line Engineering

Master of Science – Information Technology

March, 2009

University Utara Malaysia, Kedah – Malaysia

GPA: 3.85/4

TOPICS: Systems Analysis and Design, Database, Mobile Programming, Java Language, ...

Bachelor of Computer Science

September, 2007

Al-Hussein Bin Talal University, Ma'an – Jordan

GPA: 72.94%

The General Secondary Education Certificate

August, 2004

Grandel Secondary School, Tafila - Jordan

Scientific Stream

GPA: 76.9%

MANAGERIAL EXPERIENCE

Head of the Department of CS

September, 2020 - September, 2021

Head of the Department of Computer Science, Faculty of Information Technology at Mutah University.

ACADEMIC AND TEACHING EXPERIENCE

Associate Professor

September, 2019 - present

Mutah University, Karak - Jordan

🔗 Taught Courses: Bachelor and Master Levels

Bachelor level: Requirements Engineering, Software Documentation, Software Architecture and Design, and Graduation Project.

Master Level: Advanced Software Engineering.

Assistant Professor

September, 2014 - September, 2019

Mutah University, Karak - Jordan

🔗 Taught Courses: Bachelor Level

Software Engineering, Computer Organization and Design, Introduction to Information Technology, Operating Systems, Database Systems, Decision Support Systems, E-Commerce Programming, Internet Programming, Special Topics In Computer Science, Computer Skills (I), Communication Skills, Computer skills (II) - Visual Basic, Algorithms, Systems Analysis and Design, Theory of Computation, Logic Circuits Design, and Graduation Project.

Full-Time Lecturer

March, 2009 – December, 2011

Tafila Technical University, Tafila – Jordan

✍ Taught Courses: Bachelor Level

Computer Graphics, Logic Circuits Design, Computer Skills (1), Computer Skills (2), International Computer Driving License "ICDL", Java Language, C++ Language, Database, Information Retrieval Systems, Management Information Systems, Internet Programming, Systems Analysis and Design, Multimedia Systems, Software Project Management, and Graduation project.

Part-Time Lecturer

September, 2010 – June, 2011

The University of Jordan - Arabian Education and Training Group, Amman – Jordan

Program Name: "High Diploma in Information and Communication Technologies in Education ICTE"

✍ Taught Courses:

Web Design, Graphical Design, and Graduation project.

Member of the MaREL team

January, 2012 – April, 2014

Models and Reuse Engineering Languages Team

MaREL @ Lirmm - Université de Montpellier, Montpellier – France

Committee Member

July 1-5, 2013

Member of the organization committee for the ECOOP, ECSA and ECMFA conferences

Three conferences have been organized in Montpellier – France

Teacher of Computer Science

October, 2007 – February, 2008

Ministry of Education, Tafila - Jordan

I have taught computer science in primary and secondary schools

SKILLS

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| LANGUAGES | Arabic (mother tongue) English (reading, writing and conversation) |
| SOFTWARE | MATLAB, L ^A T _E X, DIRECTOR, DREAM WEAVER, PHOTOSHOP |
| CERTIFICATES | International Computer Driving Licence (ICDL: UN07097892) |
| PROGRAMMING LANGUAGES | Java, Python, C++, HTML, Java Script, Oracle, ASP.NET, PHP |
| MODELING | UML |

RESEARCH INTEREST

✍ My research is primarily concerned with software engineering. In particular, my interests include:

- ① Software Product Line Engineering (SPLE).
- ② Formal Concept Analysis (FCA).
- ③ Software Documentation.
- ④ Software Visualization.
- ⑤ Software Comprehension.

PUBLICATIONS

Journal:

- [1] [R. Al-Msie'deen](#), and A. 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.
- [2] [R. Al-Msie'deen](#), "Tag Clouds for Software Documents Visualization," *International Journal on Informatics Visualization*, vol. 3, no. 4, pp. 361–364, 2019.
- [3] [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.
- [4] Mohammed 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, pp. 4287–4291, 2019.
- [5] [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, pp. 59–67, 2019.
- [6] [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.
- [7] [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.
- [8] [R. Al-Msie'deen](#), "Visualizing object-oriented software for understanding and documentation," *International Journal of Computer Science and Information Security*, vol. 13, no. 5, pp. 18–27, 2015.
- [9] [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," *International Journal of Software Engineering and Knowledge Engineering*, vol. 24, no. 10, pp. 1413–1438, 2014.
- [10] A. M. Frijat 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*. Lambert Academic Publishing, 2019.
- [2] [R. Al-Msie'deen](#), A. Seriai, and M. Huchard, *Reengineering Software Product Variants Into Software Product Line: REVPLINE Approach*. 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*. Lambert Academic Publishing, 2014.
- [4] [R. Al-Msie'deen](#), M. Huchard, and C. Urtado, *Reverse Engineering Feature Models*. Lambert Academic Publishing, 2014.

- [5] [R. Al-Msie'deen](#), *Feature Location in a Collection of Software Product Variants*. Lambert Academic Publishing, 2014.
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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.*, ser. CEUR Workshop Proceedings, K. Bertet and S. Rudolph, Eds., vol. 1252. 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.*, M. Reformat, Ed. 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*, ser. Lecture Notes in Computer Science, J. M. Favaro and M. Morisio, Eds., vol. 7925. 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.
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International Workshop:

- [1] [R. Al-Msie'deen](#), A. D. Seriali, 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, Novembre 2012, pp. 15–26.
- [2] [R. Al-Msie'deen](#), A. D. Seriali, 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, Novembre 2012, pp. 3–14.
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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.
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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.
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