

Saleem Z. Ramadan, PhD., CSCP

CURRICULUM VITAE

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PERSONAL DATA **Born:** April. 9, 1975; Married **Place:** Amman **Nationality:** Double nationality: Jordanian and American

EDUCATION **B . S.** Industrial Engineering, University of Jordan, Amman, Jordan, 1998

B. S. Computer Information Systems, DeVry University, Chicago, ILL, USA, 2002.

M. Sc. Masters in Management Information Systems, Keller Graduate School of Management of DeVry University, Chicago, ILL, USA, 2004.

Ph. D. Ph.D. in Systems Engineering, Ohio University, Athens, Ohio, USA, 2011.

TITLES OF THESES **Ph. D.** Bayesian Multi-objective Design of Reliability Testing.

JOB HISTORY

2017-Present	Associate Professor Industrial Engineering Dept., German Jordanian University. Amman-Jordan
2015-2017	Associate Professor , Mechanical and Industrial Engineering Dept., Applied Science Private University. Amman-Jordan
2011-2015	Assistant Professor , Mechanical and Industrial Engineering Dept., Applied Science Private University. Amman-Jordan
1998-2008	Inventory Control Manager , Tasty Sub and Beef, Chicago, ILL, USA

TEACHING EXPERIENCE **Undergraduate Courses:** Probability and Statistics(I), Probability and Statistics(II), Quality Control, Reliability and Maintainability Engineering, Operation Research(I), Operation Research(II), Supply Chain Management and Logistics, Simulation, Facility Planning, Production Planning, Engineering Cost Analysis, and Engineering Economy.

COMPUTER SKILLS Autocad 2D and 3D, Matlab, R-laguage, Creo Parametric design, Arena, ProModel, C++, C-language, Primavera, Oracle, Minitab, SPSS.

RESEARCH INTERESTS Reliability Testing, Bayesian Statistics, Evolutionary Algorithms, and Optimization.

SCHOLARSHIPS, HONORS AND AWARDS

1. Full PhD scholarship from Applied Science Private University.
2. Masters with Distinction
3. Best Researcher award in ASU college of Engineering for 2016

MEMBERSHIP OF SCIENTIFIC AND PROFESSIONAL SOCIETIES

- The Jordan Engineers Association.

MEMBERSHIP OF UNIVERSITY COMMITTEES

Committee	Date
Committee of Quacquarelli Symonds (QS) Accreditation	2015- now
Committee of ABET Accreditation	2015- now
Committee of University Accreditation	2013- now
Committee of University Quality	2013- now
Liaison officer of Quality for Engineering Faculty	2015- now
Committee of Proficiency Exams	2011- now
Committee of graduation projects	2011- now
Committee of Curriculum and Study Plans	2011- now
Committee of Practical Engineering Training and Industrial Outreach	2012- now
Committee of library and Internet	2011-2012
Committee of Academic Schedule	2013-2015
Committee of Course Equivalence	2013- now
Committee of Academic Supervision	2013- now

OTHER ACTIVITIES

1. Faculty of Engineering Council Member: Representative, Mechanical and Industrial Engineering Department.
2. University Scientific Research Council: Representative, Faculty of Engineering.
3. The Alternative and Renewable Energy Center: Representative, Industrial Engineering Department
4. Referee for many listed journals.
5. External referee and external examiner for many master theses in Jordan.

PROFESSIONAL AND SCIENTIFIC MEETINGS (CONFERENCES, WORKSHOPS AND TRAINING COURSES)

1. International Conference on Industrial Engineering, World Academy of Science, Engineering and Technology, Kuala Lumpur, Malaysia, 2013
2. International Conference on Industrial Engineering, World Academy of Science, Engineering and Technology, Kuala Lumpur, Malaysia, 2014
3. International Conference on Industrial Engineering, World Academy of Science, Engineering and Technology, USA, NY, 2015
4. International Conference on Industrial Engineering, World Academy of Science, Engineering and Technology, UK, London, 2015
5. INFORMS Annual Meeting, Texas, Austin, 2010
6. Apics certified supply chain professional course, 2016

PUBLICATIONS

Publication
1. Saleem Z. Ramadan, (2015). Optimizing the Selection of Cost Drivers in Activity-Based Costing Using Quasi-Knapsack Structure , <i>International Journal of Business and Management</i> ; Vol. 10, No. 7.
2. Saleem Z. Ramadan & Mahmoud A. Barghash, (2015). Calculating the Departmental Credit-Hour Cost for Higher Learning Institutions Using Joint Costing and Activity-Based Costing Systems Simultaneously . <i>International Business Research</i> ; Vol. 8, No. 5.

3. Saleem Ramadan, Mahmoud Barghash. (2016). Three-Step Parameters Tuning Model for Time-Constrained Genetic Algorithms. <i>Modern Applied Science</i> . 10:10,118-132
4. Saleem Z. Ramadan1, (2016). A Hybrid Global Optimization Method Based on Genetic Algorithm and Shrinking Box. <i>Modern Applied Science</i> ; Vol. 10, No. 2.
5. Saleem Z. Ramadan, (2016). Bi-objective inspection policy optimization model for finite-life repairable systems using genetic algorithm. <i>Advances in Production Engineering & Management</i> Volume 11. Number 1, pp 38–48
6. Saleem Z. Ramadan, (2016). Binary Programming for Manufacturing Material and Manufacturing Process Selection Using Genetic Algorithms. <i>World Academy of Science, Engineering and Technology</i> , International Science Index 102, International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering Vol:10 No: 2.
7. Ramadan, S. (2015). Estimating the Life-Distribution Parameters of Weibull-Life PV Systems Utilizing Non-Parametric Analysis. <i>World Academy of Science, Engineering and Technology</i> , International Science Index 102, International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, 9(6), 948 - 952.
8. Saleem Z. Ramadan, (2016). An efficient method for global optimization of black-box functions using one-dimensional interpolation and reduced design space. <i>Advances and Applications in Statistics</i> , Volume 48, Number 1, 2016, Pages 1-31.
9. Saleem Ramadan. (2016). Sampling target distributions based on support alteration and discretization. <i>Advances and Applications in Statistics</i> , 48(6):445-471
10. Saleem Ramadan. (2016). An Efficient Method for Global Optimization of Black-Box Functions using One-dimensional Interpolation and Reduced Design Space. Vol 48, 1, 1-31
11. Saleem Z. Ramadan and Adnan I. Zaid, (2016). Prediction of the fatigue life distribution for aluminum through its mechanical characteristics. <i>IOP Conference Series: Materials Science and Engineering Journal</i> (Accepted Feb, 2016)
12. Saleem Z. Ramadan, (2016). A Note on Planning the Simple Step-Stress Accelerated Life Test under Bayesian Method and Type I Right Censoring. <i>Accepted in Advances and Applications in Statistics</i> (Feb. 2016).
13. Iyad M., Mohammad M., and Saleem R. (2011). Using Artificial Neural Network for Predicting Impurity Concentration in Solid Diffusion Process under Insufficient Input Parameters, " <i>Advances in Mechanical Engineering</i> " 2011:1-7
14. Saleem R. Khalid R. (2012). Bayesian Simple Step–Stress Acceleration Life Testing Plan under Progressive Type-I Right Censoring for Exponential Life Distribution, <i>Modern Applied Science</i> 6:91:99.
15. Saleem R. and Imad R.(2012). Hybrid Two-Stage Algorithm for Solving Transportation Problem, <i>Modern Applied Science</i> 6:12-22.
16. Saleem R. (2013). Reducing Premature Convergence Problem in Genetic Algorithm: Application on Travel Salesman Problem, <i>Computer and Information Science</i> . 6:47-57.
17. Saleem R. (2013). A Model for Optimal Design of Mixed Renewable Warranty Policy for Non-Repairable Weibull Life Products under Conflict between

<p>Customer and Manufacturer Interests. World Academy of Science, Engineering and Technology, International Science Index 74, 7: 192 - 196.</p>
<p>18. Saleem R., Gürsel S., Jing H. (2013). Dual-stage genetic algorithm approach for capacitated lot sizing problem, <i>Int. J. of Advanced Operations Management</i> 5:299 - 319</p>
<p>19. Saleem R. and Gürsel S. (2014). A Dual Fitness Function Genetic Algorithm: Application on Deterministic Identical Machine Scheduling. World Academy of Science, Engineering and Technology, International Science Index 73, <i>International Journal of Mechanical, Aerospace, Industrial and Mechatronics Engineering</i>, 7: 59 - 66.</p>
<p>20. Saleem R.(2014). Selection of Non-Repairable Series Systems' Components with Weibull-Life and Lognormal-Repair Distributions through Minimizing Expected Total Cost of Ownership Approach. <i>Modern Applied Science</i> 8:104:112.</p>
<p>21. Tao Y., Xi L., Saleem R., and Yue K. (2014). Bayesian Analysis for Accelerated Life Tests Using Dirichlet Process Weibull Mixture Model, <i>IEEE Transaction on Reliability</i> 63:58-62.</p>
<p>22. Saleem R. (2014). Effect of Progressive Type-I Right Censoring on Bayesian Statistical Inference of Simple Step–Stress Acceleration Life Testing Plan under Weibull Life Distribution. World Academy of Science, Engineering and Technology, International Science Index 86, <i>International Journal of Mechanical, Aerospace, Industrial and Mechatronics Engineering</i> 8: 337 - 341</p>
<p>23. Saleem R. (2014). Using Genetic Algorithm to Find the Optimal Shopping Policy For 1-out-of-n Active-Redundancy Series Systems under Budget Constraint. <i>Computer and Information Science</i> 7:81-90.</p>
<p>24. Tao Yuan, Saleem Z. Ramadan, and Suk Joo Bae. (2011). Yield Prediction for Integrated Circuits Manufacturing Through Hierarchical Bayesian Modeling of Spatial Defects, <i>IEEE TRANSACTIONS ON RELIABILITY</i>, 60,4, 729-741</p>

REFERENCES:

1. Professor Gursel Suer, Ohio University, Athens, Ohio, USA. E-mail: suer@ohio.edu
2. Professor Adnan I.O.Zaid, Applied Science Private University, Amman, Jordan, E-mail: adnan_kilani@yahoo.com
3. Associate professor Tao Yuan, Ohio University, Athens, Ohio, USA. E-mail: yuan@ohio.edu