

ROZIEANA BINTI KHAIRUDDIN

Center for Mathematical Sciences
College of Computing and Applied Sciences
Universiti Malaysia Pahang
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EDUCATION

Dec 2019
PhD (Mathematics)
Viva completed

July 2006
M.Sc. (Mathematics)
Universiti Teknologi Malaysia Skudai, Johor, Malaysia

April 2004
B.Sc. Computational Mathematics
Universiti Malaysia Terengganu, Terengganu, Malaysia

PROFESSIONAL MEMBERSHIP

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THESES

1. R. Khairuddin (2019). Multi-Start Simulated Annealing Approach for Redesigning a Warehouse Network Problem with Zone Dependent Fixed Cost, Unpublished PhD Thesis, Universiti Teknologi Malaysia.
2. R. Khairuddin. (2006). Simulated Annealing Approach for Capacitated Location Allocation Analysis, Universiti Teknologi Malaysia

TEACHING AND WORK EXPERIENCES

Lecturer

Center for Mathematical Sciences, University Malaysia Pahang
September 2019 – present
Course(s) : Degree Level - Ordinary Differential Equation

Lecturer

Faculty Industrial of Sciences & Technology, Universiti Malaysia Pahang

November 2008 – September 2019

Course(s) : Degree Level - Ordinary Differential Equations, Numerical Methods, Statistics
Diploma Level - Basic Mathematics, Calculus

Lecturer

Faculty of Mechanical Engineering, Universiti Malaysia Pahang

February 2007 - November 2008

Course(s) : Degree Level - Ordinary Differential Equations, Numerical Methods,
Diploma Level - Calculus

Tutor

Faculty of Mechanical Engineering, Kolej Universiti Kejuruteraan dan Teknologi Malaysia

September 2006 - February 2007

Course(s) : Degree Level – Tutorial Instructor : Statistics
Diploma Level - Tutorial Instructor: Calculus

PUBLISHED PAPERS

1. **Rozieana Khairuddin** and Zaitul Marlizawati Zainuddin. (2019). A Comparison of Simulated Annealing Cooling Strategies for Redesigning a Warehouse Network Problem. *Journal of Physics: Conference Series*. Volume 1366: [10.1088/1742-6596/1366/1/012078](https://doi.org/10.1088/1742-6596/1366/1/012078)
2. **Rozieana Khairuddin** and Zaitul Marlizawati Zainuddin. (2017). A simulated Annealing for redesigning a warehouse network problem. *Journal of Physics: Conference Series*. 1-6. Doi: 10.1088/1742-6596/890/1/012109
3. R. Zakaria , S.Z. Satari, N.A. Damahuri, **R. Khairuddin**. (2019). Descriptive Analysis of Students' CGPA: A Case Study of Universiti Malaysia Pahang. IOP Conference Series: Material Science and Engineering. 469, 1-8. Doi: 10.1088/1757-899x/469/1/012100
4. **Rozieana Khairuddin** and Zaitul Marlizawati Zainuddin. (2017). A simulated Annealing for redesigning a warehouse network problem. Publication (Proceeding): 1ST International Conference on Applied & Industrial Mathematics and Statistic (2017). 8th – 10th August 2017 at Vistana Kuantan City Centre, Pahang Malaysia.
5. **Rozieana Khairuddin** and Zaitul Marlizawati Zainuddin. (2013). A review on redesigning a warehouse network problem. Publication (Proceeding): Statistics and Operation Research International Conference 2013 (SORIC 2013). 3rd – 5th December 2013 at Riverside Majestic Hotel, Kuching Sarawak, Malaysia

6. Salleh, Mohd Zuki, Najihah Mohamed, Rozieana Khairuddin, Najiyah Safwa Khasi'ie, Roslinda Mohd Nazar, and Ioan Pop. "Free convection over a permeable horizontal flat plate embedded in a porous medium with radiation effects and mixed thermal boundary conditions." *Journal of Mathematics and Statistics* 8, no. 1 (2011): 122-128.
7. Najihah, Mohamed, Khairuddin Rozieana, Najiyah Safwa, and Nazar Roslinda. 2010. "Numerical Investigation of Free Convection Over A Permeable Horizontal Flat Plate Embedded In A Porous Medium With Radiation Effects And Mixed Thermal Boundary Conditions."
8. Salleh, M Z, N Mohamed, R Khairuddin, N S Khasi'ie, and R Nazar. 2009. "Numerical Study of Free Convection Boundary Layer Flow on a Vertical Surface with Prescribed Wall Temperature, Heat Flux and Newtonian Heating Using Shooting Method." In *Proceedings of the International Conference on Software Engineering and Computer Systems (ICSECS'09), UMP, Kuantan*, 94–98.

CONFERENCE / SEMINAR PRESENTATIONS

1. A Comparison of Simulated Annealing Cooling Strategies for Redesigning a Warehouse Network Problem presented at International Conference on Applied & Industrial Mathematics and Statistics 2019 (ICoAIMS 2019), Zenith Hotel, 23 – 25 July 2019
2. A simulated Annealing for redesigning a warehouse network problem presented at International Conference on Applied & Industrial Mathematics and Statistics 2017 (ICoAIMS 2017), Vistana Kuantan City Centre, 8 – 10 August 2017
3. A review on redesigning a warehouse network problem. Publication (Proceeding): presented at Statistics and Operation Research International Conference 2013 (SORIC 2013). 3rd – 5th December 2013 at Riverside Majestic Hotel, Kuching Sarawak, Malaysia