FACULTY OF COMPUTER SCIENCE AND MATHEMATICS

UMT

MINISTRY OF EDUCATION MALAYSIA

DR. MOHAMED SAIFULLAH BIN HUSSIN

SENIOR LECTURER

Dr. Saifullah Hussin is a lecturer at Universiti Malaysia Terengganu, specializing in metaheuristics, optimization, and operations research. My work includes comparative study on Tabu Search and Simulated Annealing for Quadratic Assignment Problems. I have also contributed to the analysis of population-based Ant Colony Optimization algorithms for the Traveling Salesman and Quadratic Assignment problems.

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RESEARCHER PROFILE

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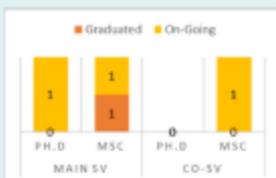Google MOHAMED SAIFULLAH HUSSIN

EDUCATION
- PhD in Engineering Science and Mathematics, Free University of Brussels
- Master in Decision Science, Universiti Utara Malaysia
- BSc. in Decision Science, Universiti Utara Malaysia

AREAS OF EXPERTISE
- Metaheuristics
- Operations Research
- Tabu Search
- Simulated Annealing

SUPERVISION

	Graduated	On-Going
PH.D MAIN SV	0	1
MSC MAIN SV	1	1
PH.D CO-SV	0	0
MSC CO-SV	0	1

COLLABORATORS

SELECTED RESEARCH PROJECTS

✓ Fundamental Research Grant Scheme (FRGS) from Ministy of Higher Education Malaysia. New Simulated Annealing Algorithms for Solving Large Scale Quadratic Assignment Problems. (1/8/16–1/1/19). RM56000

✓ FTAPE Research Grant (TAPE) from Universiti Malaysia Terengganu. An Improved Iterated Local Search based on Adaptive Strategy for Solving Hard Quadratic Assignment Problem. (1/12/20–1/2/23). RM20000

SELECTED PUBLICATIONS

✓ Mhah Haziq Shahrin and **Mohamed Saifullah Hussin.** Ensemble Feature Selection Method Based on Bio-inspired Algorithms for Multi-objective Classification Problem. Advances in Intelligent Systems and Computing, 2021.

✓ Mohd Aizat Basir., **Mohamed Saifullah Hussin**, Yuhanis Yusof. Ensemble Feature Selection Method Based on Bio-inspired Algorithms for Multi-objective Classification Problem. Advances in Intelligent Systems and Computing, 2021.

✓ Sabrina M. Oliveira, **Mohamed Saifullah Hussin**, Andrea Roli, Marco Dorigo, and Thomas Sẗutzle. Analysis of the population-based ant colony optimization algorithm for the TSP and the QAP. Proceedings of Congress on Evolutionary Computation 2017 (CEC 2017), pp. 1734–1741

✓ **Mohamed Saifullah Hussin** and Thomas Sẗutzle. Tabu Search vs. Simulated Annealing as a Function of the Size of Quadratic Assignment Problem Instances. Computers & Operations Research, March 2014.

✓ **Mohamed Saifullah Hussin** and Thomas Sẗutzle. High Performing Stochastic Local Search Algorithms for the QAP and Their Performance in Dependence to the Instance Structure and Size. In A. Abraham et al., editors, Proceedings of Hybrid Intelligent Systems 2011 (HIS 2011), pp. 139–144, IEEE