

Basma Mostafa

Assistant Lecturer



Personal Data

Full Name	Basma Mostafa Abdel Ghany
Qualification	M.Sc. in Operations Research & Decision Support, Faculty of Computers and Information ,Cairo University, December 2013
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Education

PhD thesis	"Monitoring IoT Networks"
From 2/2015 up till now	I am working on monitoring IoT in my PhD thesis in a joint research project between LIRMM laboratory in the University of Montpellier, France, together with the Informatics Research Center at the French University in Egypt (CRI/UFE) and the Faculty of Computers and Information, Cairo University, Egypt.
Master's degree in Operations Research & Decision Support	"An Intelligent Approach for Improving Feature Reduction" - Faculty of Computers and Information – Cairo University
December 2013	<ul style="list-style-type: none">- Using Data Mining and Metaheuristics for Feature Selection- An Ant Colony Optimization-based approach to feature selection to improve the classification accuracy using a small and appropriate feature subset- Used Programming Language and Technologies: The model was

implemented using java for the implementation of the FS-ACO algorithms and publicly available packages for AntMiner implementation, myra-3.5.0.

**Bachelor's degree in
Operations Research &
Decision Support**

July 2008

Faculty of Computers and Information - Cairo University

- Major: Operations Research & Decision Support
- Minor: Computer Science
- GPA: **3.8** out of 4.0 "Excellent" and **1st** rank.

- Final year dissertation "*Predicting Stock Market Using SVM and ACO*"
 - o Used Programming Languages : C++ and C# (for the GUI and Data Preparation)
 - o Integrated Development Environments (IDE): Microsoft Visual Studio 6.0 and Microsoft .NET Framework SDK v2.0

Positions Held

2014 - present

Lecturer Assistant of Operations Research & Decision Support at the Faculty of Computers and Information - Cairo University

2009 - 2014

Teacher Assistant of Operations Research & Decision Support at the Faculty of Computers and Information - Cairo University,

Publications

June 2012

"A hybridized approach for feature selection using Ant Colony Optimization and Ant-Miner for classification," M. H. Rasmy, M. El-Beltagy, M. Saleh, and B. Mostafa, in Informatics and Systems (INFOS), 2012 8th International Conference on, 2012, pp. BIO-211-BIO-219.

January 2012

"ACO/ Ant-Miner Based Hybrid Classification System with Feature Selection", M. H. Rasmy and B. Mostafa, in Proceedings of 47th of International Conference on Statistics, Computer Science & Operation Research (ISSR), on 2012.