C.V.

Dr. Ahmed Mohammed Ahmed Kafafy

Assistant Professor, Faculty of Computers and Information
Menoufia University, EGYPT

A) PERSONAL INFORMATION

- Surname: KAFAFY
- Forename: Ahmed Mohammed Ahmed
- Marital status: Married+3
- Nationality: Egyptian
- Date Of Birth: 12 October 1980
- Place of Birth: Al-Shohadaa, Menoufia (EGYPT)
- Military status: Completed
- Personale address: Shalaby St., Of meet Khaqan Rd, Shibin Al-Kom, Menoufia, EGYPT.
- Personale Phone: Home:(+2) 048 2058244, Mobile: .(+2) 01110745581
- Professional address: Shibin El-Kom, 32511, Menoufia, EGYPT.
- Work Phone: (+2) 048-2225446
- Fax : (+2) 048-22236944
- Emails ahmed.kafafi@ci.menofia.edu.eg ahmedkafafy80@gmail.com
- Position : Assistant Professor, Faculty of Computers and Information, Menoufia University.

B) EDUCATION

1st University Degree

- University: Cairo University
- Faculty: Faculty of Computers and Information.
- Department: Operation Research & Decision Support.
- First Degree: B.Sc. of Computers and Information
- Graduation year: May 2001
- Grade: Very good
- Graduation project: Decision Support System for Senior management in credit risk management of Central Bank of Egypt.
- Grade of project: Excellent.

2nd University Degree

- University: Menoufia University
- Faculty: Faculty of Computers and Information.
- Department: Operation Research & Decision Support.
- Postgraduate studies: Preliminary master courses
- Second Degree: M.Sc. of Computers and Information
- Master Thesis Title: An Intelligent Approach to solve Multi-objective Decision Making Problems.
- Graduation year: December 2007

3rd University Degree

- University: Université Claude Bernard Lyon 1
- Laboratory: Laboratoir ERIC,
- Team: DMD(Data Mining &Decisions) Equipe.
- Third Degree: Ph.D. of Computer Sciences
- Ph.D. Title: Hybrid Evolutionary Metaheuristics for Multiobjective Decision Support
- Graduation year: 24 October 2013

C) EMPLOYMENT RECORD

Job Title	FROM	TO
Demonstrator, **Faculty**: Computers & Information, Menoufia University. Responsible for tutoring and/or Lab in the following courses: Discrete Mathematics, Mathematics, Probability &Statistics, Computer Introduction, Computer Software, Data Structures, File Organization, Organization fundamentals, Introduction to Operations research, Digital signal processing.	Sept. 2002	Dec. 2007
Assistant Lecturer, **Faculty**: Computers & Information, Menoufia University. Responsible for tutoring and/or Lab in the following courses: Discrete Mathematics, Mathematics, Probability &Statistics, Computer Introduction, Computer Software, Data Structures, File Organization, Organization fundamentals, Operations research,	Dec 2007	Nov 2008
Ph. D. Student, Granted scholarship from the Egyptian Government to study for Ph. D. Degree in Université Claude Bernard Lyon-1, in laboratory ERIC, DMD (data mining & Decisions) team. Lyon, France.	Nov 2008	Oct. 2013
Assistant Professor, Faculty of Computers & Information, Menoufia University. Responsible for tutoring and/or Lab in the following courses: Discrete Mathematics, Mathematics, Probability &Statistics, Computer Introduction, Computer Software, Data Structures, File Organization, Organization fundamentals, Introduction to Operations research.	Jan 2014	Now
Program Coordinator Coordinator of Computing and Bio-informatics special credit-hours Program. Faculty of Computers & Information, Menoufia University.	Sept 2017	Now
Adjunct Assistant Professor Higher Technological Institute (HTI), 10th of Ramadan, Egypt.	Sept 2018	Now

C)LECTURING EXPERIENCES

▪ **Undergraduate Courses**	Discrete Mathematics, Mathematics, Probability & statistics, Computer Introduction, Computer Software, Computer Programming, Organization fundamentals, Operations research, Decision support systems, Linear & integer programming, Nonlinear & dynamic programming, Network Optimization, Project management, Artificial Intelligence, neural network, Machine Learning, Data Structures, File Organization-Operating Systems, Forecasting principles
▪ **Postgraduate Courses**	Advanced Mathematical programing, Advanced decision support systems, scientific research ethics and Techniques, Expert systems, Advanced optimization techniques, Artificial Intelligence, Knowledge Based Systems, intelligent computations

D) SUBJECTS OF INTERESTING

Intelligent & Evolutionary computations, Multi-objective Optimization, Differential evolution, Particle Swarm Optimization, Intelligent Decision Support systems, Hybrid Metaheuristics for combinatorial optimization, Hybrid Evolutionary Metaheuristics.

E) PUBLICATIONS

[1] Ahmed M. Kafafy, M. M. El-Sherbiny, Waiel F. Abd El-Wahed, Nabil A. Ismail, "A Hybrid Evolutionary Approach to Solve Multi-objective Optimization Problems based on Particle Swarm Optimizer and Genetic Algorithm" 8th International Conference on Parametric Optimization and Related Topics, PARAOPT VIII, Nov 27 - Dec 1, 2005 Cairo, Egypt, 2005.

[2] Ahmed M. Kafafy, M. M. Sherbiny, W. F Abd El-Wahed and N. A. Ismail, "A Hybrid Multiobjective Particle Swarm-Genetic Algorithm (PSO-GA) Approach With Pareto Archiving," in proceeding of the 5th International Conference on Informatics and Systems (INFOS2007), Faculty of Computers and Information, Cairo University, Giza, Egypt, 24-26 March 2007.

[3] Ahmed M. Kafafy, M. M. Sherbiny, W. F Abd El-Wahed and N. A. Ismail, "Using Analytical Hierarchy Process (AHP) to select the most suitable efficient solution based on DM preferences "in proceeding. of the 5th International Conference on Informatics and Systems (INFOS2007), Faculty of Computers and Information, Cairo University, Giza, Egypt, 24-26 March 2007.

[4] Ahmed Kafafy, Ahmed Bounekkar, Stéphane Bonnevay: "A hybrid evolutionary metaheuristics (HEMH) applied on 0/1 multi-objective knapsack problems". In proceeding of Genetic and evolutionary computation GECCO 2011 (http://www.sigevo.org/gecco-2011). 12-16 Jul. 201, Dublin, Ireland. pp.: 497-504. (**ERA Ranking: A**).

[5] Ahmed Kafafy, Ahmed Bounekkar, Stéphane Bonnevay: "Hybrid metaheuristics based on MOEA/D for 0/1 multi-objective knapsack problems: A comparative study", IEEE Congress on Evolutionary Computation, World Congress on Computational Intelligence (CEC2012) http://www.ieee-wcci2012.org, Brisbane, June 10-15, Accepted. (**ERA Ranking: A**).

[6] Ahmed Kafafy, Ahmed Bounekkar, and Stéphane Bonnevay. HEMH2: An Improved Hybrid Evolutionary Metaheuristics for 0/1 Multiobjective Knapsack Problems. In Proceedings of the 9th International Conference (SEAL 2012), Hanoi, Vietnam, December 16-19, 2012, volume 7673 of Lecture Notes in Computer Science, pages

104–116, New York, Germany, 2012. (**ERA Ranking: B**).

[7] Ahmed Kafafy, Stéphane Bonnevay, and Ahmed Bounekkar. A Hybrid Evolutionary Approach with Search Strategy Adaptation for Multiobjective Optimization problems. In Proceedings of 15th annual conference on Genetic and evolutionary computation, GECCO 2013, Amesterdam, Neatherlands, GECCO '13, New York, NY, USA, July 6-11 2013. ACM. (**ERA Ranking: A**).

[8] Hagar Gamal, Nancy El-Hefnawy, and Ahmed Kafafy. Neutrosophic TOPSIS Based Game Theory for Solving MCGDM Problems. Australian Journal of Basic and Applied Sciences 11(13), November 2017.

[9] Hagar Gamal, Nancy El-Hefnawy, and Ahmed Kafafy. Maximizing Deviation Based Grey Relational Analysis Method for Solving Neutrosophic MCGDM Problems with Insufficient Weight Information. In the International Conference On New Trends In Engineering & Technology (ICNTET 2018)

[10] Ablaa Saad, Ahmed Kafafy, Osama Abd-El-Raof, and Nancy El-Hefnawy, A GRASP-Genetic Metaheuristic Applied on Multi-Processor Task Scheduling Systems in proceedings of the 13th International Conference on Computer Engineering and Systems (ICCES), Cairo, Egypt. 2018

[11] Ahmed Yousif, Ahmed Kafafy, and Hatem Abdulkader. Reducing RFID Data Uncertainty using Mean Field Variational Inference, in proceedings of the 14th International Computer Engineering Conference (ICENCO) Cairo, Egypt, 2018

F) THESIS SUPERVISION

Faculty	Author	Thesis Title	Registration Date	Degree
Faculty of Computers & Information	Hagar Abu-Faty	Multi-criteria group decision making problems based on neutrosophic environment	2016	**M.Sc.**
Faculty of Computers & Information	Ablaa Saad	Handling Multiprocessor Task Scheduling using Hybrid Metaheuristics	2016	**M.Sc.**
Faculty of Computers & Information	Ghada Maher	A Metaheuristic Approach for Stochastic Environment Multi-Project Scheduling	2017	**Ph.D.**
Faculty of Computers & Information	Sara Elshorbagy	solving multi-objective transportation problems based on inventory management models.	2017	**M.Sc.**
Faculty of Computers & Information	Reham Elkabary	Handling Confliction Problems in Uncontrolled Intersections with Autonomous Vehicles Using Negotiation & Bargaining Based Game theory	2018	**M.Sc.**

G) TALKS / PRESENTATIONS:

1- A Hybrid Evolutionary Approach to Solve Multi-objective Optimization Problems based on Particle Swarm Optimizer and Genetic Algorithm in 8th International Conference on Parametric Optimization and Related Topics, PARAOPT VIII, Nov 27 - Dec 1, 2005 Cairo, Egypt, 2005.

2- A Hybrid Multiobjective Particle Swarm-Genetic Algorithm (PSO-GA) Approach with Pareto Archiving. In the 5th International Conference on Informatics and Systems (INFOS2007), Faculty of Computers and Information, Cairo University, Giza, Egypt, 24-26 March 2007

3- Using Analytical Hierarchy Process (AHP) to select the most suitable efficient solution based on DM preferences. In the 5th International Conference on Informatics and Systems (INFOS2007), Faculty of Computers and Information, Cairo University, Giza, Egypt, 24-26 March 2007.

4- A hybrid evolutionary metaheuristics (HEMH) applied on 0/1 multi-objective knapsack

problems". In proceeding of Genetic and evolutionary computation GECCO 2011 (http://www.sigevo.org/gecco-2011). 12-16 Jul. 201, Dublin, Ireland

5- Hybrid metaheuristics based on MOEA/D for 0/1 multi-objective knapsack problems: A comparative study", IEEE Congress on Evolutionary Computation, World Congress on Computational Intelligence (CEC2012) http://www.ieee-wcci2012.org, Brisbane, June 10-15, Australia
6- An Improved Hybrid Evolutionary Metaheuristics for 0/1 Multiobjective Knapsack Problems. In Proceedings of the 9th International Conference (SEAL 2012), Hanoi, Vietnam.
7- A Hybrid Evolutionary Approach with Search Strategy Adaptation for Multiobjective Optimization problems. In Proceedings of 15th annual conference on Genetic and evolutionary computation, GECCO 2013, Amesterdam, Neatherlands

H) TALKS / PRESENTATIONS:

1- The 8th International Conference on Parametric Optimization and Related Topics, PARAOPT VIII, Nov 27 - Dec 1, 2005 Cairo, Egypt
2- The 5th International Conference on Informatics and Systems (INFOS2007), Faculty of Computers and Information, Cairo University, 24-26 March 2007, Giza, Egypt
3- The 13th Genetic and evolutionary computation GECCO 2011 (http://www.sigevo.org/gecco-2011). 12-16 Jul. 201, Dublin, Ireland
4- IEEE Congress on Evolutionary Computation, World Congress on Computational Intelligence (CEC2012) http://www.ieee-wcci2012.org, Brisbane, June 10-15, Australia
5- The 9th International Conference (SEAL 2012), Hanoi, Vietnam, Dec 16-19, 2012,
6- The 15th annual conference on Genetic and evolutionary computation, GECCO 2013, Amsterdam, Netherlands.
7- The 3rd & 4th workshop on computer science 2016&2017. Menoufia university. Egypt.

I) OTHER ACTIVITIES:

1- Member of the FCI workshop organization committee in Menoufia University.
2- Member of the postgraduate and research committee.
3- Member of the coordination committee of special Programs.
4- The responsible of strategic planning criterion in faculty of computers and information