## **PUBLICATIONS**

- 1. Manar Hosny and Shameem Fatima. "Attitude of Students Towards Cheating and Plagiarism: University Case Study". Journal of Applied Sciences. March 2014 [online first].
- 2. Wafa Alrajhi, Manar Hosny, Areej Alwabil, Arwa Alabdulkarim. "Human Factors in the Design of BCI-Controlled Wheelchairs". HCI International 2014 (to appear).
- 3. D. Al-Omar, A. Al-Wabil, and M. Fawzi, "Using Pupil Size Variation during Visual Emotional Stimulation in Measuring Affective States of Non Communicative Individuals," in *Universal Access in Human-Computer Interaction. User and Context Diversity.* vol. 8010, C. Stephanidis and M. Antona, Eds., ed: Springer Berlin Heidelberg, 2013, pp. 253-258
- 4. Manar Hosny. Vehicle Routing with Pickup and Delivery: Heuristic and Meta-heuristic Solution Algorithms. LAP Lambert Academic Publishing, Germany, 2012. ISBN (978-3-659-20258-2)
- 5. Manar Hosny. "A Heuristic Algorithm for the Faculty Assignment Problem". *Journal of Communication and Computer*, 10 (2013) 287-294. David Publishing.
- 6. Manar Hosny & Najla Al Turiki. "A Genetic Based Tool for the Nurse Rostering Problem", in Proceedings GEM'13 The 2013 International Conference on Genetic and Evolutionary Methods.
- 7. Manar Hosny & Shameem Fatima. "Investigating Female Students' Attitude towards Cheating and Plagiarism: A Study in King Saud University", in Proceedings of FECS'13 The 2013 International Conference on Frontiers in Education: Computer Science and Computer Engineering.
- 8. Manar Hosny. <u>Vehicle Routing with Pickup and Delivery: Heuristic and Meta-heuristic Solution Algorithms</u>. LAP Lambert Academic Publishing, Germany, 2012. ISBN (978-3-659-20258-2)
- 9. Manar Hosny. "A Heuristic Algorithm for the Faculty Assignment Problem". In H. R. Arabnia, V.A. Clincy and L. Deligiannidis, editors, Proceedings of the 2012 Conference on Frontiers in Education: Computer Science and Computer Engineering (FECS'12), Las Vegas, Nevada, USA, Vol. II, pages 566–571, CSREA Press, July 2012
- 10. Manar I. Hosny and Shameem Fatima. "<u>Facebook in Education: Students, Teachers, and Library Perspectives</u>". Journal of Computing, Vol. 4, Issue 6, June 2012
- 11. Manar Hosny. "TACO: An Automatic TAs to Courses Assignment Tool". In Proceedings of the EdMedia 2012 Conference, Denver, Colorado, USA
- 12. Hosny, M.I., Mumford, C.L. <u>"Constructing initial solutions for the multiple vehicle pickup and delivery problem with time windows"</u>. Journal of King Saud University Computer and Information Sciences (2012) 24, 59–69
- 13. Manar Hosny and Shameem Fatima <u>"A Survey of Genetic Algorithms for the University Timetabling Problem"</u>. In International Proceedings of Computer Science and Information Technology, Vol. 13, 2011
- 14. Manar Hosny. <u>"Heuristic Techniques for the Vehicle Routing Problem with Time Windows".</u> In International Proceedings of Computer Science and Information Technology, Vol. 13, 2011.
- 15. M. I. Hosny. "Comparing Genetic Algorithms and Simulated Annealing for Solving the Pickup and Delivery Problem with Time Windows". In H. R. Arabnia, D. de la Fuente, E. B. Kozerenko, and J. A. Olivas, editors, Proceedings of the 2011 International Conference on

- Artificial Intelligence, ICAI'11, Las Vegas, Nevada, USA, Vol. II, pages 513–CSREA Press, July 2011
- 16. Manar I. Hosny and Christine L. Mumford <u>"Solving the One-Commodity Pickup and Delivery Problem Using an Adaptive Hybrid VNS/SA Approach"</u> In Parallel Problem Solving from Nature PPSN XI, Lecture Notes in Computer Science, Vol. 6293/2011, pages 189-198. DOI: 10.1007/978-3-642-15871-1\_20.
- 17. Manar Hosny. <u>An Adaptive Hybrid Genetic Algorithm- Simulated Annealing Approach: A New Hybridization Technique Applied to Solving the MAP Problem in Bayesian Belief Networks</u>. LAP Lambert Academic Publishing, Germany, 2010, ISBN (978-3-8383-3529-2)
- 18. Manar I. Hosny and Christine L. Mumford: "An adaptive hybrid VNS/SA approach to the one-commodity pickup and delivery problem". GECCO (Companion) 2010: 2079-2080
- 19. Manar I. Hosny and Christine L. Mumford <u>"The Single Vehicle Pickup and Delivery Problem with Time Windows: Intelligent Operators for Heuristic and Metaheuristic Algorithms".</u>
  Journal of Heuristics, Special Issue on Recent Advances in Metaheuristics, Vol. 16, No 3, June 2010. DOI:10.1007/s10732-008-9083-1.
- 20. Manar I. Hosny and Christine L. Mumford <u>"Investigating Genetic Algorithms for Solving the Multiple Vehicle Pickup and Delivery Problem with Time Windows</u>" In MIC2009: Proceedings of the Metaheuristic International Conference, July 2009.
- 21. Manar I. Hosny and Christine L. Mumford "New Solution Construction Heuristics for the Multiple-Vehicle Pickup and Delivery Problem with Time Windows" In MIC2009: Proceedings of the Metaheuristic International Conference, July 2009
- 22. Manar I. Hosny and Christine L. Mumford "Single Vehicle Pickup and Delivery with Time Windows: Made to Measure Genetic Encoding and Operators". In GECCO '07: Proceedings of the 2007 GECCO conference companion on Genetic and evolutionary computation, pages 2489-2496
- 23. Ashraf M. Abdelbar, and Manar I. Hosny, "A Self-Adaptive Evolutionary Algorithm Applied to Bayesian Networks," Proceedings ISCA International Conference on Computers and Their Applications, Honolulu, Hawaii, 2007, pp. 118-122
- 24. Ashraf M. Abdelbar, and Manar I. Hosny, <u>"Finding Most Probable Explanations using a Self-Adaptive Hybridization of Genetic Algorithms and Simulated Annealing</u>", Proceedings 10th WSEAS International Conference on Computers, July 13-15, 2006, Vouliagmeni, Greece, pp. 800-806
- 25. Ashraf M. Abdelbar, and Manar I. Hosny, "Probabilistic Explanation with Genetic Algorithms and Simulated Annealing," WSEAS Transactions on Computers, Vol. 5, No. 10, October 2006, pp. 2162-2168
- 26. Ashraf M. Abdelbar and Manar I Hosny, "<u>An Adaptive Hybrid Genetic Annealing Technique Applied to Bayesian Networks</u>," Proceedings of ANNIE-04, ASME Press, New York, Vol. 14, pp. 45-50, 2004. ISBN: 0-7918-0228-0.

Last Updated: 18 March 2014