

Recent Publications of Professor M Ali

ISI Journal papers appeared in 2014

1. Sawyerr, B.A. and Adewumi, A.O. and **Ali, M.M**, A local search based genetic algorithm for global optimization, *Applied Mathematics and Computation*, 228, 589--597, 2014.
2. **M. M. Ali**, Mohsen Gol Alikhani and Jun Zhuang, Different penalty approaches for solving constrained optimization problems with the electromagnetism-like method', *Optimization*, 63 (3), 403--419, 2014.
3. Eric Newby and **M. M. Ali**, A Note on Convex Reformulation Schemes for Mixed Integer Quadratic Programs, *Journal of Optimization Theory and Applications*, 160 (2), 457-469, 2014.
4. E. A. E. Gumma, M. H. A. Hashim and **M. Montaz Ali**, A Derivative-Free Algorithm for Linearly Constrained Optimization Problems, *Computational Optimization and Applications*, 57 (3), 599-621, 2014.
5. R. Phillips, M. Woolway, D. Fanucchi and **M. Montaz Ali**, Mathematical Modeling and Optimal Blank Generation in Glass Manufacturing, *Journal of Applied Mathematics*, Volume 2014, Article 959453, 12 pages, 2014.
6. G. Zheng and **M. Montaz Ali**, On the observability estimate for the fractional order parabolic equations on measurable sets, *Abstract and Applied Analysis*, Volume 2014, Article ID 361904, 5 pages, 2014.
7. O.M. Bamigbola, **M. Montaz Ali**, and K. O. Awodele, Predictive models of current, voltage and power losses on electric transmission lines. *Journal of Applied Mathematics*, Volume 2014, Article ID 146937, 5 pages, 2014.
8. M. Z. Wang and **M. M, Ali**, On the ERM formulation and a stochastic approximation algorithm of the stochastic- ER_0 EVLCP, *Annals of Operations Research*, 217, pp. 513-534, 2014.
9. O.M. Bamigbola, **M. Montaz Ali** and M. O. Oke, Mathematical modeling of electric power flow and the minimization of power losses on power transmission lines, *Applied Mathematics and Computation*, 241, 214-221, 2014.
10. A Tabu Search-based Memetic Algorithm for Hardware-Software Partitioning, *Mathematical Problems in Engineering*, Volume 2014, Article ID 103059, 15 pages, 2014.
11. J. O. Pedro, M. Dangor, O. A. Dahunsi and **M. Montaz Ali**, Intelligent Feedback Linearisation Control of Nonlinear Electrohydraulic Suspension Systems Using Particle Swarm Optimisation, *Applied Soft Computing*, 24 (2014), 50-62, 2014.

ISI Journal papers accepted for publication in 2014

1. E. Newby and **M. M. Ali**, A Trust Region Based Derivative Free Algorithm for Mixed Integer Programs, Computational Optimization and Applications, to appear.
2. **I. M. Dangor**, O. A. Dahunsi, J. O. Pedro and **M. M. Ali**: Evolutionary Algorithm-Based PID Controller Tuning for Nonlinear Quarter-Car Electrohydraulic Vehicle Suspensions, Nonlinear Dynamics, to appear.
3. Guojie Zheng, Baozhu Guo and **M. M. Ali**, Sensitivity analysis for the optimal control problem governed by heat equations with a singular potential, Systems and Control Letters, to appear.

Conference Papers accepted in 2014

- 1 J. O. Pedro, M. Dangor, O. A. Dahunsi, and **M. M. Ali**, , Particle Swarm Optimized Intelligent Control of Nonlinear Full-Car Suspensions, Proceedings of IFAC Conference, 2014.