
Bahram Alidaee

Interim Director, Hearin Center for Enterprise Science

Professor of Operations Management

School of Business Administration

Professional Interests

Research: Supply Chain Management, Quality Function Deployment and Product Design, Data Mining and Analysis, Bioinformatics, Cooperative and Control Organizational Complexity and Change, Heuristic Programming, Operations Scheduling, Cost Allocations and Game Theory

Teaching: Operations Management, Supply Chain Management, Operations Research, Mathematical Programming, Business Statistics

Academic Background

Ph.D. The University of Texas , Arlington, TX, Mathematical Sciences, 1988

M.B.A. The University of North Texas, Denton, TX, Production and Operations Management, 1981

B.S. The University of Tehran, Iran, Business Administration, 1975

Work Experience

Academic Experience

Professor of Operations Management, School of Business Administration, University of Mississippi (2005 - Present).

Joint Professor in Pharmacy Administration, University of Mississippi, School of Pharmacy (2005 - Present).

Interim Director, Hearin Center for Enterprise Science, University of Mississippi (2004 - Present).

Associate Professor of Operations Management, School of Business Administration, University of Mississippi (1997 - 2005).

Joint Associate Professor with Pharmacy Administration, School of Pharmacy, University of Mississippi (1997 - 2005).

Faculty Coordinator, the Hearin Center for Enterprise Science, School of Business Administration, University of Mississippi (1998 - 2001).

Assistant Professor of Operations Management, School of Business Administration, University of Mississippi (1995 - 1996).

Assistant Professor and Associate Professor, West Texas A & M University (1988 - 1995).

Consulting

2005: Gaming Industry, Assessment of a casino game.

Paid Service

2005: Consulting service to Gold Strike General Operations Manager, Consulting service to Gold Strike general Operations Manager for developing a game. My graduate student was paid \$1500.

Teaching

Courses Taught

Advanced Directed Study (specialized masters)

Advanced Mgmt. Science

Applied Linear Stat Models

Business Decision Making (specialized masters)

Business Statistics

Decision Making

Individual Study (specialized masters)

Integer and Non-linear Optimization (specialized masters)

Integer and Nonlinear Programming

Operations Management I

Operations Management II

Operations Planning and Control

Operations Research

Production Scheduling (specialized masters)
Special Topics in Business
Statistics II: Multivariate and Nonparametric Statistics (specialized masters)
Supply Chain Management
Supply Chain Management (specialized masters)

Other Teaching Activities

Course (Existing) - Compensated Redesign

2006-2007 - Mgmt 797
2006-2007 - MBA 612
2006-2007 - Mgmt 475
2006-2007 - Mgmt 372, Oxford
2006-2007 - MBA 612
2005-2006 - Mgmt 372, Southaven

Course (New) - Creation/Delivery: Conventional

2006-2007 - Multi Variate Statistical Analysis

Course (New) - Creation/Delivery: Online

2006-2007 - Professional MBA Online

Research/Intellectual Contributions:

Refereed Articles

- Alidaee, B., Kochenberger, G., Lewis, K., Lewis, M., & Wang, H. (2009). Computationally attractive non-linear models for combinatorial optimization. *International Journal of Mathematics in Operations Research*, 1, 9-19.
- Alidaee, B., Kochenberger, G., & Wang, H. (2008). Simple and fast Surrogate Constraints Heuristics for the Maximum Independent Set Problem. *Journal of Heuristics*, 14 (6), 571-586.
- Landram, F., Pavour, R., & Alidaee, B. (2008). An Algorithm for Enhancing Spreadsheet Regression with Out-of-Sample Statistics. *Communications in Statistics - Simulation and Computation*, 37 (8), 1578-1592.
- Qi, H., Altinakar, M., Vienira, D., & Alidaee, B. (2008). A Conceptual Framework of Agricultural Land Use Planning with BMP for Integrated Watershed Management. *Journal of American Water Resource Association*, 44 (4), 866-878.
- Alidaee, B. & Wang, H. (in press, 2008). Viewpoint on preventive maintenance scheduling of multi-cogeneration plants using integer programming. *Journal of Operational Research Society*.
- Alidaee, B. & Wang, H. (in press, 2008). A Note on Integer Programming Formulations of the Real-Time Optimal Scheduling and Flight Path Selection of UAVs. *IEEE Transactions on Control Systems Technology*.
- Lewis, M., Alidaee, B., Glover, F., & Kochenberger, G. (in press, 2008). A Note on xQx as a Modeling and Solution Framework for the Linear Ordering Problem. *International Journal of Operational Research*.
- Wang, H. & Alidaee, B. (in press, 2008). A Decision Support Tool for Emergency Planning. *International Journal of Service Sciences*.
- Weeks, K., Gao, H., Alidaee, B., & Rana, D. (in press, 2008). An Empirical Study of Impacts of Production Mix, Product Route Efficiencies on Operations Performance and Profitability: A Reverse Logistics Approach. *International Journal of Production Research*.
- Alidaee, B., Wang, H., & Xu, A. (2008). A Pseudo-Boolean Optimization for Multiple Criteria Decision Making in Complex Systems. *Lecture Notes in Computer Science*, 4490, 194-201.
- Alidaee, B., Kochenberger, G., Lewis, K., Lewis, M., & Wang, H. (2008). A New Approach for Modeling and Solving Set Packing Problems. *European Journal of Operational Research*, 186 (2), 504-512.
- Landram, F., Pavour, R., & Alidaee, B. (2008). Combining Time Series Components for Improved Forecasts. *Decision Sciences Journal of Innovative Education*, 6 (2), 197-204.
- Lewis, M., Kochenberger, G., & Alidaee, B. (2008). A New Modeling and Solution Approach for the Set Partitioning Problem. *Computers & Operations Research*, 35 (3), 807-813.
- Wang, H., Obremski, T., Alidaee, B., & Kochenberger, G. (2008). Clique Partitioning for Clustering: A Comparison with K-means and Latent Class Analysis. *Communications in Statistics, Theory, and Methods*, 37 (1), 1-13.
- Ablanedo, J., Gao, H., Alidaee, B., & Teng, W. (in press, 2008). Allocation of Emergency and Recovery Centers in Hidalgo, Mexico. *International J International Journal of Service Sciences*.
- Alidaee, B., Glover, F., Kochenberger, G., & Wang, H. (2007). Solving the Maximum Edge Weight Clique Problem via Unconstrained Quadratic Programming. *European Journal of Operational Research*, 181 (2), 592-598.
- Kochenberger, G., Alidaee, B., Glover, F., & Wang, H. (2007). An Effective Modeling and Solution Approach for the Generalized Independent Set Problem. *Optimization Letters*, 1, 111-117.
- Wang, H., Alidaee, B., Glover, F., & Kochenberger, G. (2007). Solving Group Technology Problems via Clique Partitioning. *International Journal of Flexible Manufacturing Systems*, 18 (2), 77-97.
- Kochenberger, G., Glover, F., Alidaee, B., & Lewis, K. (2006). Using the Unconstrained Quadratic Program to Model and Solve Max 2-SAT Problems. *International Journal of Operations Research*, 1 (1/2), 89-100.
- Alidaee, B. & Kochenberger, G. (2005). A Note on a Simple Dynamic Programming Approach to the Single-Sink Fixed Charge Transportation Problem. *Transportation Science Journal*, 39 (1), 140-143.

- Alidaee, B., Kochenberger, G., Glover, F., & Rego, C. (2005). A New Modeling and Solution Approach for the Number Partitioning Problem. *Journal of Applied Mathematics and Decision Sciences* 9 (2), 113-121..
- Kochenberger, G., Glover, F., Alidaee, B., & Wang, H. (2005). Clustering of Microarray data via Clique Partitioning. *Journal of Combinatorial Optimization*, 10, 77-92..
- Kochenberger, G., Glover, F., Alidaee, B., & Rego, C. (2005). An Unconstrained Quadratic Binary Programming Approach to the Vertex Coloring Problem. *Annals of Operations Research*, 139, 229-241.
- Lewis, M., Alidaee, B., & Kochenberger, G. (2005). Using xQx to Model and Solve the Uncapacitated Task Allocation Problem. *Operations Research Letters*, 33, 176-182.
- Alidaee, B., Kochenberger, G., Glover, F., & Rego, C. (2004). A Unified Modeling and Solution Procedure for Combinatorial Optimization. *OR-Spec OR-Spectrum*, 26, 237-250.
- Alidaee, B., Glover, F., Kochenberger, G., & Rego, C. (2002). One-pass Heuristic for Large-scale Unconstrained Binary Quadratic Optimization. *Eu European Journal of Operational Research*(137), 272-287.
- Alidaee, B., Glover, F., & Kochenberger, G. (2002). An Efficient Approach for Solving the Assignment Problem with Side Constraints. *International Journal of Information Technology & Decision Making*, 1, 121-129.
- Kethley, B. & Alidaee, B. (2002). Single Machine Scheduling to Minimize Total Weighted Late Work: A Comparison of Scheduling Rules and Search Algorithms. *Computers & Industrial Engineering*, 43 (3), 509-528.
- Lij, W. & Alidaee, B. (2002). Dynamics of Local Search Heuristics for the TSP. *IEEE Transactions on Systems Man and Cybernetics*, 32, 173-184.
- Naidu, J., Gupta, J. N. , & Alidaee, B. (2002). Insights Into Two Solution Procedures for the Single Machine Tardiness Problem. *Journal of Operational Research Society*, 53, 800-806.
- Alidaee, B. & Kochenberger, G. (2001). Greedy Solutions of Selection and Ordering Problems. *European Journal of Operational Research*, 134 (1), 205-217.
- Alidaee, B. (1999). Three-person Minimum Spanning Tree Games. *Mathematical and Computer Modeling*, 29, 107-123.
- Alidaee, B. & Womer, N. K. (1999). Scheduling with Time Dependent Processing Times: Review and Extensions. *Journal of Operational Research Society*, 50, 711-720.
- Alidaee, B., Hwang, C. P. , & Johnson, J. (1999). A Tour Construction Heuristic for Traveling Salesman Problem. *Journal of Operational Research Society*, 50, 797-809.
- Alidaee, B., Glover, F., & Kochenberger, G. (1998). Adaptive Memory Search for Binary Quadratic Programs. *Management Science*, 44, 336-345.
- Sexton, R., Alidaee, B., Johnson, J., & Dorsey, R. (1998). Global Optimization for Artificial Neural Networks: A Tabu Search Application. *European Journal of Operational Research*, 106, 570-584.
- Alidaee, B. & Conlon, S. (1997). A Note on the Bicriterion Scheduling Problem Involving Total Flow Time and Range of Lateness. *International Journal of Information and Management Sciences*, 8 (2), 1-7.
- Alidaee, B. & Landram, F. (1997). Computing Orthogonal Polynomials. *Computers & Operations Research*, 24 (5), 473-476.
- Alidaee, B. & Rosa, D. (1997). Scheduling Parallel Machines to Minimize Total Weighted and Unweighted Tardiness. *Computers & Operations Research*, 24 (8), 775-788.
- Alidaee, B. & Dragan, I. (1997). A Note on Minimizing the Weighted Sum of Tardy and Early Completion Penalties in a Single Machine: A Case of Small Common Due Date. *European Journal of Operational Research*, 96, 559-563.
- Alidaee, B. & Gopalan, S. (1997). A Note on Two Rules for Single Machine Tardiness. *European Journal of Operational Research*, 96, 514-517.
- Alidaee, B. & Landram, F. (1996). Scheduling Jobs on a Single Machine to Minimize the Maximum Processing Times. *International Journal of Systems Science*, 27, 507-510.
- Alidaee, B. & Ramakrishnan, R. (1996). A Computational Experiment of AU_COVERT Class of Rules for Single Machine Tardiness. *Computers & Industrial Engineering*, 30, 201-209.
- Alidaee, B. & Ahmadian, A. (1996). Scheduling on a Single Processor with Variable Speed. *Information Processing Letters*, 60, 189-193.
- Alidaee, B. & Kochenberger, G. (1996). A Framework for Machine Scheduling Problems with Controllable Processing Times. *Production and Operations Management*, 5 (4), 391-405.
- Alidaee, B. & Rosa, D. (1995). On the V-shaped property in One-machine Scheduling. *Journal of Operational Research Society*, 46, 128-132.
- Alidaee, B. (1994). Proof of Permutationally Convexity of MCSF Games. *ZOR Methods and Models of Operations Research*, 39, 243-248.
- Alidaee, B., Kochenberger, G., & Ahmadian, A. (1994). 0-1 Quadratic Programming Approach for Optimum Solutions of Two Scheduling Problems. *International Journal of Systems Science*, 25, 401-408.
- Alidaee, B. (1994). Optimal Sequencing in Multi characteristics Inspection Policy. *Journal of Optimization Theory and Applications*, 83, 199-205.
- Alidaee, B. & Kochenberger, G. (1994). Minimizing Absolute Flow Time Variation in Single and Multiple Machine Scheduling. *Journal of Operational Research Society*, 45 (9), 1077-1087.
- Alidaee, B. (1994). Minimizing Absolute and Squared Deviation of Completion Times from Due Date. *Production and Operations Management*, 3 (2), 133-148.
- Alidaee, B. & Panwalkar, S. (1993). Single Stage Minimum Absolute Lateness Problem with a Common Due Date on Non-identical Machines. *Journal of Operational Research Society*, 44, 29-36.
- Alidaee, B. (1993). Numerical Methods for Single Machine Scheduling with Nonlinear Cost Functions to Minimize Total Cost. *Journal of Operational Research Society*, 44, 125-132.
- Alidaee, B. (1993). Two Parallel Machine Sequencing Problems Involving Controllable Job Processing. *European Journal of Operational Research*, 70 (3), 335-342.
- Alidaee, B. & Ahmadian, A. (1992). Weighted Earliness Tardiness Problem in Single Machine. *International Journal of Engineering*, 3, 63-75.

- Alidaee, B. (1992). Optimal Assignment of NOP Due-Dates and Sequencing in a Single Machine Shop. *ZOR Methods and Models of Operations Research*, 36, 333-341.
- Alidaee, B. (1992). Maximizing Set Function Formulation of Two Scheduling Problems. *ZOR Methods and Models of Operations Research*, 36, 409-416.
- Alidaee, B. (1992). Scheduling of n Jobs on Two Identical Machines to Minimize Weighted Mean Flow Time. *Computers & Industrial Engineering*, 24, 53-55.
- Alidaee, B. (1991). Optimal Assignment of Slack Due Date and Sequencing in a Single Machine Shop. *Applied Mathematics Letters*, 4 (2), 9-11.
- Alidaee, B. (1991). A Note on Permutationally Convex Games. *Theory and Decision*, 30, 109-111.
- Alidaee, B. (1991). Single Machine Scheduling with Nonlinear Cost Functions. *Computers & Operations Research*, 18 (3), 317-323.
- Alidaee, B. (1990). A Heuristic Solution Procedure to Minimize Makespan in Single Machine Scheduling. *Journal of Operational Research Society*, 41 (11), 1065-1068.
- Alidaee, B. (1989). Analyzing Total Cost for a Single Machine and n Jobs by use of a Symmetric Matrix Arising from a Quadratic Form of Service Times. *The Logistics and Transportation Review*, 24 (4), 367-374.

Papers Under Review

- Alidaee, B., Glover, F., Kochenberger, G., Lewis, M., & Lewis, K. (2005). "Modeling and Solving Set Packing Problems via Unconstrained Quadratic Programming," initial submission to *European Journal of Operational Research*.
- Kochenberger, G., Glover, F., Alidaee, B., & Wang, H. (2005). "Attractive Nonlinear Models: Calling Into Question the Tenet of Linearity for Combinatorial Problems," initial submission to .
- Kochenberger, G., Glover, F., Alidaee, B., & Wang, H. (2004). "Solving the Maximum Edge Weight Clique Problem via Unconstrained Quadratic Programming," initial submission to *European Journal Of Operational Research*.

Book

- Alidaee, B. & Altinakar, M. (2008). *International Journal of Service Sciences* . Inderscience Publishing (under contract).
- Acceptance Date: 2007
- Rego, C. & Alidaee, B. (2005). *Adaptive Memory and Evolution: Tabu Search and Scatter Search* , Kluwer Academic Publisher .

Book Chapters

Refereed

- Rego, C., Alidaee, B., & Kochenberger, G. (2003). Managerial Issues in Complex Planning Procedures: A Case Study of QFD. In J. Cha, R. Jardim-Goncalves, and A. Steiger-Garcia (Ed.) *Cuncurrent Engineering Advanced Design, Production and Management Systems*. Tokyo, Japan: Balkema Publisher.
- Glover, F., Alidaee, B., Kochenberger, G., & Amini, M. (2002). Solving Quadratic Knapsack Problems by Reformulation and Tabu Search. Single Constraint Case. In P. Pardalos, A. Migdalas, & R. Burkard (Ed.) *Combinatorial and Global Optimization*, (pp. 111-121). World Scientific Publications.
- Kochenberger, G., Glover, F., Alidaee, B., & Rego, C. (2002). Solving Combinatorial Optimization Problems via Reformulation and Adaptive Memory Metaheuristics. In Menon & Doldberg, D. (Ed.) *Revolutionary Visions in Evolutionary Computations*. Kluwer Publishers.
- Alidaee, B. (2000). Inventory Control. *Managerial and Decision Economics*, (pp. 21, 307).
- Amini, M. & Alidaee, B. (1999). A Scatter Search Approach to Unconstrained Binary Quadratic Programming. In Corne, Dringo and Glover (Ed.) *New Methods in Optimization* (pp. 317-329). New York, New York: McGraw-Hill .
- Alidaee, B., Glover, F., Kochenberger, G., & Amini, M. M. (1999). Tabu Search with Critical Event Memory: An Enhanced Application for Binary Quadratic Programs. In S. Voss, S. Martello, I. Osman, and C. Roucairol (Ed.) *Meta-Heuristics, Advances and Trends in Local Search Paradigms for Optimization*, (pp. 93-109). Kluwer.

Refereed Proceedings

Full Paper

- Wang, H., Alidaee, B., Li, J., He, J., & Altinakar, M. (2008). Critical Infrastructure Management with Failure Front Prediction for Water Security. *Proceeding of RAC2008, Advances in Intelligent System Research, Guanzhou, China*, 6, 15-22.
- Alidaee, B., Altinakar, M., & Wang, H. (2007). A Decision Support Tool for Emergency Management Planning. *International Conference on Management Innovation*, 1, 7 pages.
- Lin, R., Wang, H., Alidaee, B., & Kochenberger, G. (2007). Preferable-Interval Approaches to the Single-Sink Fixed-Charge Transportation Problem. *International Conference on Management Innovation*, 1, 12 pages.
- Wang, H., Alidaee, B., & Xu, Y. (2006). An Attractive Alternative Modeling and Solution Approach for Market Segmentation,. *Decision Sciences Institute Meeting*.
- Wang, H., Alidaee, B., & Kochenberger, G. (2004). Evaluating a Clique Partitioning Problem Model for Clustering Data Mining. *America's Conference on Information Systems (AMCIS)*.
- Grierstorfer, P., Rego, C., & Alidaee, B. (2003). A Filter-and-Fan Approach for the Facility Location Problem. *Metaheuristics International Conference*.
- Naidu, J. & Alidaee, B. (1997). A New Hybrid heuristic to Minimize the Single Machine Total Tardiness. *Decision Sciences Institute Meeting*.
- Hwang, C. P., Alidaee, B., & Johnson, J. (1996). Comparison of Recent Metaheuristic Procedures for Large Traveling Salesman Problem. *Decision Sciences Institute Meeting*.
- Chou, D. & Alidaee, B. (1995). A Comparison Study of Software Quality Control. *Decision Sciences Institute Meeting*, 1700-1702.

- Alidaee, B. (1990). Minimizing Weighted Absolute Deviation in a Single Machine Scheduling. Decision Sciences Institute Meeting, 56-57.
- Chou, D. & Alidaee, B. (1990). A Comparison of the Experimental Behaviors on Inflation and Interest Rates in the U.S. and West Germany. Decision Sciences Institute Meeting, 460-462.
- Alidaee, B. (1989). A New Class of Sequencing Games. Mountain Plain Management Association, 140-150.
- Alidaee, B. (1989). Scheduling of n Jobs on a Single Machine Where each Job has a Differentiable Cost Function. Mountain Plain Management Association, 129-140.

Working Papers

- Alidaee, B. (2004). "Formulation and Solution Procedure for Quality Function Deployment".
- Alidaee, B. (2004). "Integer Programming Solutions and Algorithms for Certain Graph Theoretic Problems in Bioinformatics".

Presentation of Refereed Papers

International

- Gao, H. & Alidaee, B. (2007). Preventive Maintenance Scheduling with Multi-Skilled Workforce Constraints for Supply Chain Management. Presented at Decision Sciences Institute, Phoenix, Arizona.
- Kethley, B. & Alidaee, B. (2007). Single Machine Scheduling to Minimize A Modified Total Weighted Late Work Function. Presented at Decision Sciences Institute, Phoenix, Arizona.
- Wang, H., Alidaee, B., & Atinakar, M. (2007). Developing Decision Support and Optimization Tool for Emergency and Infrastructure Management. Presented at Decision Sciences Institute, Phoenix, Arizona.
- Alidaee, B., Altinakar, M., & Wang, H. (2007, June). A Decision Support Tool for Emergency Management Planning. Presented at International Conference on Management Innovation, Shanghai, China.
- Lin, R., Wang, H., Alidaee, B., & Altinakar, M. (2007, June). Preferable-Interval Approaches to the Single-Sink Fixed-Charge Transportation Problem. Presented at International Conference on Management Innovation, Shanghai, China.
- Wang, H., Alidaee, B., & Xu, Y. (2006, November). An Attractive Alternative Modeling and Solution Approach for Market Segmentation. Presented at Decision Sciences Institute Meeting, San Antonio, Texas.
- Kochenberger, G., Glover, F., Alidaee, B., & Wang, H. (2005, June). Attractive Nonlinear Models: Calling Into Question the Tenet of Linearity for Combinatorial Problems. Accepted for Metaheuristics International Conference, Vienna, Austria.
- Wang, H., Alidaee, B., & Kochenberger, G. (2004). Local Search Heuristic Algorithms for Complex Network. Accepted for INFORMS, Denver, Colorado.
- Wang, H., Alidaee, B., & Kochenberger, G. (2004). An Efficient Approach to Group Technology Problem in a Flexible Manufacturing System. Accepted for INFORMS, Denver, Colorado.
- Xu, Y., Conlon, S., Wang, H., Alidaee, B., & Kochenberger, G. (2004, October). Query Expansion Using Support Vector Machine. Presented at INFORMS, Denver, Colorado.
- Alidaee, B., Glover, F., Kochenberger, G., & Lewis, K. (2004, May). An Application of Filter-and-Fan to Satisfiability Problem. Accepted for INFORMS, Banff, Canada.
- Kochenberger, G., Glover, F., Alidaee, B., & Wang, H. (2003). The Unconstrained Quadratic Binary Programming Approach to Combinatorial Optimization. Accepted for INFORMS, Atlanta, California.
- Kochenberger, G., Alidaee, A., & Wang, H. (2003). New Methodology for Clustering Data Mining. Accepted for INFORMS, Atlanta, California.
- Alidaee, B. & Kochenberger, G. (2002). Fast Heuristics for Maximum Independent Set on a Graph. Accepted for INFORMS, San Jose, California.
- Rego, C., Amini, M., Alidaee, B., Glover, F., & Kochenberger, G. (2002, July). Scatter Search for Unconstrained Binary Quadratic Program. Accepted for IFORS, Edinburgh, Scotland.
- Alidaee, B., Ghandforoush, P., & Kochenberger, G. (2001). Fast Heuristics for Very-Large-Scale Maximum Independent Set & Related Problems Using Neural Networks Approach. Accepted for INFORMS, Miami Beach, Florida.
- Glover, F., Kochenberger, G., & Alidaee, B. (2001). New Heuristic Approaches to Graph Optimization & Related Problems. Accepted for INFORMS, Miami Beach, Florida.
- Alidaee, B., Glover, F., & Kochenberger, G. (2000). One-pass Algorithms for Binary Quadratic Programming. Accepted for INFORMS, Salt Lake City, Utah.
- Alidaee, B., Glover, F., & Kochenberger, G. (2000). Applications of Binary Quadratic Programming. Accepted for INFORMS, Salt Lake City, Utah.
- Alidaee, B., Glover, F., & Kochenberger, G. (2000). An Effective Solution of Very-Large-Scale Binary Quadratic Programs. Accepted for INFORMS, San Antonio, Texas.
- James, T., Johnson, J., & Alidaee, B. (2000). Distributed Genetic Algorithms for Training Neural Networks on Large Databases for Data Mining Applications. Accepted for INFORMS, Salt Lake City, Utah.
- Wang, H., Alidaee, B., & Kochenberger, G. (2000). An Improved Parallel Neural Network Solution on the Maximum Clique Problem. Accepted for INFORMS, San Antonio, Texas.
- Alidaee, B., Glover, F., Kochenberger, G., & Wang, H. (2000, August). The Comparison of Parallel Programming Techniques Applied to the Maximum Clique Problem. Accepted for 17th International Symposium on Mathematical Programming, Atlanta, Georgia.
- Alidaee, B., Glover, F., & Kochenberger, G. (2000, July). Solving the 0/1 Unconstrained Quadratic Programming Problem via the Roof Dual. Accepted for 17th European Conference on Operations Research, Budapest, Hungary.
- Alidaee, B., Glover, F., & Kochenberger, G. (2000, July). One-pass Algorithms for Very Large Binary Quadratic Programs. Accepted for 17th European Conference on Operations Research, Budapest, Hungary.
- Alidaee, B., Amini, M. M., & Kochenberger, G. (1998). Application of tabu Search, Scatter Search and the Unconstrained Quadratic Binary Program. Presented at INFORMS, Seattle, Washington.

Alidaee, B., Amini, M. M. , & Kochenberger, G. (1998). Greedy Solutions of Selection and Ordering Problems. Presented at INFORMS, Seattle, Washington.

Amini, M. M., Alidaee, B., Glover, F., & Kochenberger, G. (1998). A New Evolutionary Heuristic Approach to the Quadratic Optimization Problem: A case Study of the Scatter Search. Presented at INFORMS, Seattle, Washington.

Kochenberger, G., Alidaee, B., & Amini, M. M. (1998). A New Scatter Search (Evolutionary) Method for the Zero-One Quadratic Problem. Presented at INFORMS, Monterey, California.

Kochenberger, G., Alidaee, B., & Amini, M. M. (1998). Applying Scatter Search and tabu Search to Quadratic Binary Programs. Presented at INFORMS, Montreal, Canada.

Alidaee, B., Amini, M., & Kochenberger, G. (1997). Applications of Unconstrained Binary Quadratic Program. Presented at International Conference on Metaheuristics, Unknown, France.

Amini, M. M., Alidaee, B., & Racer, M. (1997, October). Alternative Meta-heuristic Approaches for the Multi-resource Generalized Assignment Problem. Presented at INFORMS, Dallas, Texas.

Naidu, J., Alidaee, B., & Gillenwater, E. (1997, October). Heuristic Approaches to Minimize Tardiness Problems on Single Machine with Sequence Dependent Set-up Times. Presented at INFORMS, Dallas, Texas.

Hwang, C. P., Alidaee, B., & Johnson, J. (1996, October). Applications of the Intelligent Multi-stage System in the Traveling Salesman Problem. Presented at INFORMS, Atlanta, Georgia.

Naidu, J. & Alidaee, B. (1996, October). MDD and Decomposition Rules for the Total Tardiness Scheduling Problem. Presented at INFORMS, Atlanta, Georgia.

Alidaee, B. (1995, October). Experimental Design for Combinatorial Optimization Problems. Presented at INFORMS, New Orleans, Louisiana.

Alidaee, B. (1990, June). Single Machine Scheduling to Minimize Total Cost with Nonlinear Cost Functions. Presented at IFORS, Athens, Greece.

National

Kochenberger, G., Glover, F., Alidaee, B., & Wang, H. (2005, February). Improved Clustering of Microarray Data for Genomics. Presented at Conference on Systems Analysis, Data Mining and Optimization in Biomedicine, Unknown, Unknown.

Wang, H., Alidaee, B., & Kochenberger, G. (2004). Enhanced Clustering Method for Predicting Outcome of Healthcare and Genomic Data. Presented at American Association of Advancing Science, Seattle, Washington.

Wang, H., Alidaee, B., Kochenberger, G., & Glover, F. (2004, November). Tabu Search Approach to Scale-free Network. Accepted for Decision Sciences Institute Meeting, Boston, Massachusetts.

Xu, Y., Wang, H., Alidaee, B., & Kochenberger, G. (2004, November). Performance Evaluation of Local Search Heuristic Algorithms for Large Unconstrained Binary Quadratic Programming Problem. Accepted for Decision Sciences Institute Meeting, Boston, Massachusetts.

Pearson, K., Alidaee, B., & Rego, C. (2002, June). Using Quality Function Deployment in NAVY Manpower Planning: A Supply Chain Management Approach. Accepted for Military Personnel Research Conference, Memphis, Tennessee.

Kethley, B., Alidaee, B., & Gillenwater, E. (1997, November). Signal Machine Scheduling to Minimize Total Weighted Late Work: A Comparison of Traditional Scheduling Rules and the Genetic Algorithm using Taguchi Loss Functions. Presented at Decision Sciences Institute Meeting, San Diego, California.

Landram, F., Alidaee, B., Shah, V., & Cook, J. (1997, November). Projected Measures for Spreadsheet Regression. Presented at Decision Sciences Institute Meeting, San Diego, California.

Landram, F., Alidaee, B., & Shah, V. (1996, November). Testing R2: Confusion or Enlightenment. Presented at Decision Sciences Institute Meeting, Orlando, Florida.

Alidaee, B. (1994, November). A Heuristic Algorithm for Minimizing Makespan for Deteriorating Jobs on a Single Machine Scheduling. Presented at Decision Sciences Institute Meeting, Honolulu, Hawaii.

Alidaee, B. (1994, October). A Modified Due Date Algorithm for Weighted Tardiness Scheduling Problem with m machines. Presented at ORSA/TIMS Meeting, Detroit, Michigan.

Alidaee, B. & Combs, R. (1993, November). An Algorithmic Note for a Class of Single Machine Scheduling. Presented at Decision Sciences Institute Meeting, Washington, District of Columbia.

Alidaee, B. (1993, October). A Computational Experiment of COVERT_AU Class of Rules for Single Machine Tardiness Scheduling. Presented at ORSA/TIMS Meeting, Phoenix, Arizona.

Alidaee, B. (1992, November). Scheduling Deteriorating Jobs on Single Machine. Presented at ORSA/TIMS Meeting, San Francisco, California.

Alidaee, B. (1992, November). Due Date Assignment and Job Scheduling on Parallel Machines. Presented at Decision Sciences Institute Meeting, San Francisco, California.

Alidaee, B. & Chou, D. (1991, November). Minimizing a Bicriterion Scheduling Problem Involving Flow Time and Range of Lateness. Presented at Decision Sciences Institute Meeting, Miami Beach, Florida.

Alidaee, B. (1991, October). Maximum Cut Set Formulation of Two Scheduling Problems. Presented at ORSA/TIMS Meeting, Anaheim, California.

Alidaee, B. (1990, November). An Efficient Algorithm for Minimizing Mean Squared Deviations from a Common Due Date in Single Machine Scheduling. Presented at Decision Sciences Institute Meeting, San Diego, California.

Alidaee, B. & Chou, D. (1990, November). Simple Algorithm to Minimize Early/Tardy Problem in Single Machine Shop. Presented at Decision Sciences Institute Meeting, San Diego, California.

Alidaee, B. & Chou, D. (1990, October). Optimal Assignment of NOP Due Date and Sequencing in a Single Machine Shop. Presented at ORSA/TIMS Meeting, Philadelphia, Pennsylvania.

Chou, D. & Alidaee, B. (1990, October). An Intelligent Decision Support System for Economic Development Planning Simple Algorithm to Minimize Early/Tardy Problem in Single Machine. Presented at ORSA/TIMS Meeting, Philadelphia, Pennsylvania.

Alidaee, B. (1990, March). Minimizing Weighted Absolute Deviation in a Single Machine Scheduling. Presented at Decision Sciences Institute Meeting, Dallas, Texas.

Alidaee, B. (1990, March). Single Machine Scheduling to Minimize Variance. Presented at ORSA/TIMS Meeting, Las Vegas, Nevada.

Alidaee, B. (1989). A New Class of Sequencing Games. Presented at ORSA/TIMS Meeting, New York, New York.

Alidaee, B. (1989, November). Scheduling of n Jobs with a Single Machine to Minimize Total Cost when the Cost Functions are a Polynomial of Degree m . Presented at Decision Sciences Institute Meeting, New Orleans, Louisiana.

Regional

Alidaee, B. (1989). A Class of Sequencing Games. Presented at Mountain Plain Management Association, Pueblo, Colorado.

Alidaee, B. (1989). Scheduling of n Jobs on a Single Machine Where each Job has a Differentiable Cost Function. Presented at Mountain Plain Management Association, Pueblo, Colorado.

Alidaee, B. (1987). An A-Extension of Sequencing Games. Presented at OMEGA/RHO Seminar Series, Dallas/Fort Worth Chapter, Texas.

Presentation of Non-Refereed Papers

International

Alidaee, B., Wang, H., Kethley, B., & Landram, F. (2008, November). A Unified View of Parallel Machine Scheduling with Interdependent Processing Rates. Invited presentation at INFORMS, Washington, DC., District of Columbia.

Alidaee, B., Wang, H., & Altinakar, M. (2007). Integer Programming Formulation for Graph and Network Optimization Problems. INFORMS International Conference, Seattle, Washington.

Alidaee, B., Liu, W., & Wilkins, D. (2005, December). Multi-exchange neighborhood search strategies for pseudo-Boolean optimization. Invited presentation at Twelfth Annual International Conference on Statistics, Combinatorics, Mathematics and Applications, Auburn, Alabama.

Liu, W., Alidaee, B., & Wilkins, D. (2005, December). Multi-exchange neighborhood search strategies for protein side chain positioning. Invited presentation at Twelfth Annual International Conference on Statistics, Combinatorics, Mathematics and Applications, Auburn, Alabama.

Alidaee, B., Kochenberger, G., & Wang, H. (2005, October). Attractive Nonlinear Models for Clustering and Other Combinatorial Problems. INFORMS, San Francisco, California.

Liu, W., Alidaee, B., & Wilkins, D. (2005, October). Tabu Search with New Hybrid Local Search for UQBP Problems. INFORMS, San Francisco, California.

Research Grants

Funded-External

2006 - Altinakar, M., Ying, X., Vieira, D., Wang, S., Alidaee, B., Weiming Wu, Yan Ding, Yaoxin Zhang, Hoghai Qi,, "Simulation-Based Decision Support System for Water Infrastructural Security (DSS-WISE)", Title: Simulation-Based Decision Support System for Water Infrastructural Security (DSS-WISE)

Water infrastructures such as dams, levees, water control structures, etc. are critical infrastructures whose incapacitation/destruction may have a serious negative impact on our nations security. Catastrophic floods resulting from the failure of water infrastructures or the extreme hydro-meteorological events can paralyze the economy and social life of large populations for rather long periods of time due to likely cascading failures/incapacitation provoked in other critical infrastructures, businesses, agriculture, food production, and health systems. The level of flood hazard does not depend solely on exposure to flood waters, but also on various technical and socio-economic factors such as population at risk, the awareness, presence and degree of protection measures, early warning systems, etc. Efficient and reliable protection measures, early warning systems, emergency response and recovery plans that are needed to protect populations and properties during such events are complex engineered systems. Their optimal design can only be achieved by studying their performance under all possible operating conditions. In this respect, numerical models can play a unique role by aiding the decision maker to visualize and quantify the performance of engineering solutions and emergency plans., GOV-National Science Foundation (NSF), (\$903,100).

2005 - Aliadee, B., "Co-principal Investigator for 7 major grants", 1998-2005 , Office of Naval Research, (\$2,990,523).

2005 - Alidaee, B. & Lewis, M., "Develop new technology to solve the integer programming problem and advance current methods for solving difficult optimization problems associated wit", ONR/NSF, (\$95,403).

Funded-Internal

2005 - Bahram, A., "1995-2005, 10 grants totaling \$95,000", University of Mississippi and Hearin Center for Enterprise Science, (\$95,000).

2005 - Bahram, A., "Generalized Contact Map Graph Problems (GCMGP): Mathematical Programming Approaches and Algorithms.' \$10,000, Summer 2005 ", Hearin Faculty Research Support , School of Business Administration, (\$10,000).

2005 - Wilkins, D., Alidaee, B., & Mathur, S., "Bioinformatics development", Office of Research , (\$20,000).

2004 - Bahram, A., "Generalized Graph Coloring Problems: Mathematical Programming Approaches and Algorithms.' \$10,000, Summer 2004. The work on this research has been very productive and will be published in several journals", Hearin Faculty Research Support , School of

Business Administration, (\$10,000).

Not Funded-External

2005 - Alidaee, B. & Lewis, K., "Exploration of Large Neighborhood Structure for Very-Large-Scale Image Segmentation Problem", NSF.

Pending-External

2006 - Wang, H. & Alidaee, B., "Collaborative group for complex system research", The proposal is submitted in response to the Partnerships for Innovation Program Solicitation (NSF06550). The proposed Partnership for Innovation is collaboration among Texas A&M International University (TAMIU) as lead institution, Daniel B. Hastings Inc., Hearin Center for Enterprise Science at University of Mississippi, Wells Fargo Bank and Laredo Development Foundation. The proposed initiative aims at: 1) promoting the transformation of knowledge created by the collaborative partners; 2) creating new models and methodologies of organizing, managing and providing infrastructure for innovation; and 3) strengthening the interconnectedness and support among the business community in the South-Texas through networking and mentorship program. These objectives will be achieved by: 1) development of analytical group decision-making tools that will enable the collaborative partners to evaluate and identify managerial problems; 2) establishment of educational and training capability for practitioners, academics and students on using innovated technology and software to solve logistics and operation problems. Intellectual Merit: The initiative will create an interdisciplinary research environment by identifying researchers with complementary interests and strength to create synergies for the purpose of collaborating to deal with complex system problems existing within the private/public partners. A collaborative group decision-making framework incorporating advanced Multiple Criteria Decision Making model will be developed and implemented. This framework will provide finite sets of alternatives according to multiple criteria in complex system problems. The initiative will provide an interactive and flexible environment for the private/public partners to solve complex system problem systematically. Experience and connection with businesses will be beneficial to the research group and the partner institutions for future contacts. A study of the business partners operations will be conducted to identify opportunities for improving efficiency through the use of information technology and decision support system. Potential Economic Impact: First, the outcome of this initiative will provide an advanced multiple criteria decision making tool/application to the private/public partners, which has the potential to improve efficiency and effectiveness on solving complex system problems. The improvement of capability on solving complex and time-consuming problems can lead to a potential impact to regional economic. Second, Education and inclusion of students will be at the heart of the proposed initiative. The initiative will provide training/consulting services to the partners in the private/public sector to improve their business competitiveness and operational efficiency, which lead to an impact to regional economy. Students at TAMIU will supplement their classroom education with experiences in the business and entrepreneurial settings and become high quality workforce with technology and team skills. The skillful workforce will have a broader impact on the regional economy. , GOV-National Science Foundation (NSF).

2005 - Alidaee, B., "Multi-Exchange Search Strategy for Very-Large-Scale Pseudo-Boolean Optimization", NSF.

Research Reports

Alidaee, B. & Lewis, M., "Develop new technology to solve the integer programming problem and advance current methods for solving difficult optimization problems associated wit" .

Research Honors and Awards

Awards:

2006 - Outstanding Senior Researcher of the Year 2006, School of Business, University of Mississippi.

2004 - Who's Who in American Education, Marquis Who's Who.

2004 - Who's Who in Business Higher Education, Academic Keys.

2003 - Outstanding Senior Researcher of the Year, School of Business Administration, the University of Mississippi.

2000 - Who's Who in Science in America, Marquis Millennium Edition.

1997 - Researcher of the Year, School of Business Administration, the University of Mississippi.

1995 - First Research Excellence Award, West Texas A & M University.

1992 - First Research Excellence Award, West Texas A & M University.

1987 - Best Student Research Paper Award, OMEGA/RHO, Dallas/Fort Worth Chapter.

Other Research Activities

Other Research Activities

2005 - Analyzing of computer game for Gold Strike Casino, with the assistance of graduate student, Hongman Gao.

2004 - Fly and Spider,' a project for Gold Strike casino. With the assistance of graduate student, Colin Osterman, wrote a program to analyze computer program.

2004 - A research project for Ashley Furniture, on time study of furniture lines. Hongman Gao, a Ph.D. student in POM, assisted with this project.

Service:

Service to the University

Department assignments:

Chair:

2006-2007: Committee Chair, Dissertation Operations Management: Chair of Ph.D. Committee for Mr. Hongman Gao. He defended the proposal.

2006-2007: Committee Chair Dissertation in Operations Management: Chair of Taner Pirim was the Ph.D. student who finished his degree.

2004-2005: MIS/POM Department, Faculty Search Committee: University of Mississippi, School of Business Administration

College assignments:

Chair:

2008-2009: Clinical Asst Professor of POM Search

Member:

2007-2008 through 2008-2009: MBA Committee

2007-2008: Finance Faculty Search Committee II

2007-2008: Tenure and Promotion Committee

2006-2007: Member of TP Committee at the College

2006-2007: Clinical Asst Prof of Finance Search

2005-2006: MIS Search Committee

2005-2006: Clinical Finance Search Committee

2005-2006: Finance Search Committee

2004-2005: MBA Committee

2004-2005: University of Mississippi, Faculty Senate: Served two terms.

1997-1998 through 2004-2005: School of Business Administration, MBA Committee: University of Mississippi

University assignments:

Chair:

2004-2005: Lutfu Sagbansua: 'Algorithms For Very Large Scale Multi-Resource Generalized Assignment Problems.'

2003-2004: Haibo Wang: 'New Model and Solution Methodology for Clique Partitioning Problem and Application.'

1998-1999: Weiqi Li: 'Dynamics of Heuristic Search Systems for Combinatorial Optimization Problem: The Traveling Salesman Problem Case.'

1997-1998: Brian Kethley: 'Single and Multiple Machine Scheduling to Minimize Total Weighted Late Work: An Empirical Comparison of Scheduling Rules, Algorithms, and Meta-Heuristics Using Teguchi Loss Functions.'

1996-1997: Chen-Pei (James) Hwang: 'Global and Local Search Heuristics for the Symmetric Traveling Salesman Problem.'

Faculty Advisor:

2002-2003 through 2004-2005: APICS Gum Tree Chapter-University of Mississippi: Served on board and advised students. Encouraged student involvement in chapter. Wrote mission statement and the strategic plan for the chapter.

Member:

2006-2007: Member of Committee for evaluating research Grant Proposals

2006-2007: Committee member, Dissertation in Mathematics

2006-2007: Committee member, Dissertation in Hydraulic Engineering

2005-2006 through 2006-2007: Committee member, Dissertation in Telecommunication Engineering

2005-2006: Committee member, Dissertation in Telecommunication Engineering

2004-2005: Robert Page--Mathematics

2004-2005: University of Mississippi, Academic Task Force

2004-2005: University of Mississippi, School of Business Administration, Dean Search Committee: We successfully finished the search and recommended Dean Reithel to become the permanent dean.

2004-2005: Bennie Waller: 'Decision Support Systems: Agent Based or Query Based For Better Decision Making.'

2003-2004 through 2004-2005: University of Mississippi, Faculty Senate

2003-2004: P. Kanok--Civil Engineering

2003-2004: Bart Garner: 'Improving Document Classification Using Minimum Clique Partition of a Semantic Network and Solved Using Fast Heuristic Methods.'

2002-2003: Duan Qiang--Engineering Science: 'Traffic control for quality of service provision in buffered crossbar switches.'

2002-2003: Yangil Park: 'An Empirical Evaluation of the Factors that Impact Perceived Web Usability and User Performance.'

2002-2003: Tabitha James: 'Impact of Shared Memory Memory and Distributed Memory Platforms on the Design and Performance of Parallel Evolutionary Algorithms.'

2001-2002: Xiaotong Li: 'The Optimal Timing for Brokerages to Go Wireless--A Real Options Approach.'

1999-2000: Zachary Wong: 'Assessing Facilitator Effects on Group Decision Support System Meetings: Human Versus Automated.'

1998-1999: Jaideep T. Naidu: 'Single machine scheduling to minimize total tardiness: new heuristics and empirical comparisons to existing heuristics.'

1998-1999: Queen Booker: 'Forecasting Swiss Franc/Dollar Exchange Rates: Comparing Collapsible Neural Networks to Recent Non-Parametric Methods and Traditional Methods.'

1996-1997: Randy Sexton: 'Beyond Back Propagation: A Monte Carlo Comparison of Global Search Alternatives for Neural Network Optimization of Continuous Forms.'

Other Institutional Service Activities:

2004-2005: University of Mississippi: Co-founder and member of Bioinformatics Group

Service to the Profession

Advisor

2005-2006: McGraw Hill Workshop on Trends in Operations Management, A 2-day symposium, March 2006, discussing issues related to trend on Operations and Supply Chain Management in US. and the world. In this symposium, 20 POM professors from different universities will attended., Chicago, Illinois (National).

2005-2006: McGraw-Hill Publishing Company, A 4-day symposium, Feb. 2005, discussing issues related to trend on Operations and Supply Chain Management in US. and the world. In this symposium, 20 POM professors from different universities (including Penn State, Indiana U, Miami U, Marquette, Utah State and etc.) attended (during the same time similar symposium for accounting, finance and human resources were organized by the company). Expense for the whole trip was paid by the publishing company., San Diego, California (National).

Editor: Associate Editor

2006-2007: International Journal of Service Sciences, On the Editorial Board of the journal (International).

2000-2001 through 2002-2003: Computers & Operations Research (National).

Editor: Guest Editor of Journal

2006-2007: International Journal of Service Sciences, Guest Editor for a special issue on Emergency, and Disasters Operations Management. (International).

Reviewer: Ad Hoc Reviewer for a Journal

2006-2007: Ad Hoc reviewer for Journals, Ad hoc reviewer for about 30 professional journals, including European Journal of operational research, journal of operational research society, information processing letters, applied mathematical letters, mathematical and computation, Computers and operations research, and several other journals. Transportation Science, Discrete Applied Mathematics (International).

2005-2006: Ad Hoc reviewer for Journals, Ad hoc reviewer for about 25 professional journals, including European Journal of operational research, journal of operational research society, information processing letters, applied mathematical letters, mathematical and computation, Computers and operations research, and several other journals. (International).

2004-2005: Information Processing Letters (International).

2004-2005: Applied Mathematics Letters (National).

2004-2005: Computers & Mathematical Modeling (National).

2004-2005: Discrete Applied Mathematics (National).

2004-2005: Naval Research Logistics (National).

2004-2005: OMEGA (National).

2004-2005: Computers and Operational Research (National).

2004-2005: IIE Transactions (National).

2004-2005: Journal of Heuristics (National).

2004-2005: European Journal of Operational Research (International).

2004-2005: Journal of Operational Research Society (National).

2004-2005: Operations Research (National).

2004-2005: INFORMS Journal on Computing (National).

2004-2005: Management Science (National).

Service to the Community

Board-Member

2005-2006: Mississippi Blood Services, member of Advising Board for MBS

Other Community Service Activities

2006-2007: (Cover Story) Interview with South Central Construction Magazine, (Cover Story) The magazine interviewed me for professional opinion on construction development in Mississippi.

2005-2006: Organized 3 MBA Teams to work on 3 Operations Management Problem in Mississippi Blood Services in Ja, With the help of Dean Reithel, I invited CEO of Mississippi Blood Services to my MBA class. After his presentation, 3 Teams of students were organized to work on several operational problems. They finished the project and presented to MBS staff in Jackson as well as to the class.

2005-2006: Organized 3 groups of MBA Teams to work on 3 Operations Management Problem in Baptist Hos, With the help of Dean Reithel, I invited CEO of Baptist Hospital in Oxford to my MBA class. He presented several real operational problems at the hospital. Three teams of MBA students were organized and after a field study came up with solutions. They presented the solution to the hospital as well as to the class.

2005-2006: (Cover Story) Interview with South Central Construction Magazine, (Cover Story) The magazine interviewed me for professional opinion on construction development in Mississippi.

2005-2006: Interview with South Central Construction Magazine (Cover Story), (Cover Story) The magazine interviewed me for professional opinion on construction development in Mississippi.

Other

Faculty Development

Professional Seminars / Workshops

2007: Monthly meeting of Institute of Supply Chain Management. Memphis, Tennessee.

2007: Monthly meeting of Institute of Supply Chain Management. Memphis, Tennessee.

2007: Monthly meeting of Institute of Supply Chain Management. Memphis, Tennessee.

2007: Monthly meeting of Institute of Supply Chain Management. Memphis, Tennessee.
2006: Several Workshops on Teaching of Operations Management/Decision Sciences. San Antonio, Texas.
2006: Tools for Negotiation from Institute of Supply Chain Management. Memphis, Tennessee.
2005: Attended several workshops and talks on teaching of Operations Management and Management Science during INFORMS Conference. . San Francisco, California.
2005: Attended a workshop to learn new advancements in the field of Bioinformatics. Fourth IEEE International Workshop on High Performance Computational Biology. Denver, Colorado.
2003: Introduction to Arcview GIS. Oxford, Mississippi.

Research-Related Conference/Seminar

2007: Several Workshops on Teaching of Supply Chain Management. San Antonio, Texas.

Technology-Related Training

2005: Making Sense of DNA and Protein Sequencing. Oxford, United States of America.

Memberships

APICS
DSI
ICS
IEEE Computing
INFORMS
ISM
POMS

Other Activities

Invited Presentation

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'A Unified Modeling and Solution Framework for Combinatorial Optimization Problems,' presented at (Lingnan College) Sun Yat-Sen Technology.

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'Multi-Exchange (r-flip) Neighborhood Structure for Pseudo-Boolean Optimization applied to QFD,' invited presentation at South China University of Technology.

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'Multi-Exchange (r-flip) Neighborhood Structure for Pseudo-Boolean Optimization applied to QFD,' presented at (Lingnan College) Sun Yat-Sen Technology.

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'A Unified Modeling and Solution Framework for Combinatorial Optimization Problems,' presented at Chinese Academy of Sciences, Meta-synthesis group.

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'A Unified Modeling and Solution Framework for Combinatorial Optimization Problems,' presented at Chinese Academy of Sciences, School of Management and Policy.

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'A Unified Modeling and Solution Framework for Combinatorial Optimization Problems,' presented at Tsinghua University.

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'Multi-Exchange (r-flip) Neighborhood Structure for Pseudo-Boolean Optimization applied to QFD,' presented at Tsinghua University.

2005-2006 - Invited Presentation: Alidaee, B., G. Kochenberger, & H. Wang, 'A Unified Modeling and Solution Framework for Combinatorial Optimization Problems,' presented at South China University of Technology.

2004-2005 - Invited Presentation: Alidaee, B Multi-Exchange (r-flip) Neighborhood Structure for Pseudo-Boolean Optimization,' Center for Hydraulic Engineering, University of Mississippi, October 2004.

2004-2005 - Invited Presentation: Alidaee, B, H. Wang, G. Kochenberger, K. Lewis and M. Lewis Multi-Exchange (r-flip) Neighborhood Structure for Pseudo-Boolean Optimization,' invited presentation at Army Engineering Research and Development Center (ERDC), August 16-17, Vicksburg, MS.

2004-2005 - Invited Presentation: Wang, H., B. Alidaee, M. Lewis, K. Lewis and Bart Garner, Maximize Business Potential Using Mathematical Programming', Mississippi IP and Technology Expo for Venture Capital Investment, September 17-18, Jackson, MS.

2004-2005 - Invited Presentation: Wang, H., B. Alidaee and G.A. Kochenberger, A New Methodology for Clustering Genomic and Healthcare Data', MAS held Biloxi, MS on Feb 21, 2004.

2004-2005 - Invited Presentation: Wang, H., B. Alidaee, G. Kochenberger, F. Glover, Solving Clique Partitioning Problems via Unconstrained Quadratic Programming', invited presentation at Army Engineering Research and Development Center (ERDC), August 16-17, Vicksburg, MS.

2003-2004 - Invited Presentation: Alidaee, B., 'An Expanded OFD Model for Complex Planning with Application to Manpower Planning,' NPRST and University of Mississippi, held in June at the University of Mississippi.

Professional Media Appearances

2005-2006 - Professional Media Appearances: I was interviewed by South Central Contractor magazine, an online magazine by McGraw Hill Publishing, regarding Market Outlook for Construction Economy in Mississippi. The article came out on January 2005 issue. Another interview was done recently by the same magazine, however, the article will come out sometimes in summer.

References

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Last updated: 12-Mar-09 (09:26 AM)