

ANURAG AGARWAL

September 2017

Dept. of Information Systems and Decision Sciences
College of Business
University of South Florida
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Education:

- Ph.D., The Ohio State University, 1993.
 - Major: Management Information Systems
 - Minors: Economics and Statistics
- MBA, University of Wisconsin, La Crosse, 1988.
 - Major: Finance
- B.Tech., Indian Institute of Technology, Roorkee, India, 1984.
 - Major: Mechanical Engineering

Employment:

- 2013-Present: Professor, Dept. of Information Systems and Decision Sciences, College of Business, University of South Florida, Sarasota, Florida, USA.
- 2009 – 2013: Associate Professor, Dept. of Information Systems and Decision Sciences, College of Business, University of South Florida, Sarasota, Florida, USA.
- 2008 – 2016: Summer Visiting Faculty, Korea University, South Korea.
- 2011, 12,15,16: Visiting faculty for Global MBA program, Korea University, South Korea.
- 2001 – 2009: Assistant Professor, Dept. of Information Systems and Operations Management, College of Business Administration, University of Florida, Gainesville, FL, USA.
- 1998 – 2001: Visiting Assistant Professor, Dept. of Decision and Information Sciences, College of Business Administration, University of Florida, Gainesville, FL, USA
- 1993 – 1998: Assistant Professor, College of Business, Kent State University, Kent, Ohio, USA.

Research:

Link to Google Scholar <https://scholar.google.com/citations?user=RT63mDMAAAAJ&hl=en&oi=ao>
(1017 citations as of 9/18/17)

Peer Reviewed Journal Articles:

1. Park, G.W., Kim, Y.S, Park, K.T., and **Agarwal, A.**, "Patient -Centric Quality Assessment Framework for Healthcare Services," *Technological Forecasting and Social Change*, 2016, (113, Part-B) 468-474
2. Ramamoorti, S., **Agarwal, A.**, and Nijhavan, S., "Big Data and Continuous Monitoring: A Synergy Whose Time Has Come?," *Internal Auditing*, January/February, 2016, 19-26.

3. Whitmore, A., **Agarwal, A.** and Xu, L., "The Internet of Things - A Survey of Topics and Trends," *Information Systems Frontiers*, 2015, 17(2) 261-274.
4. Shatskikh, A., Yang, W., Cobanoglu, C., and **Agarwal, A.**, "Are Consumers Ready for Mobile Payment? An Examination of Consumer Acceptance of Mobile Payment Technology in Restaurant Industry", *FIU Hospitality Review*, 2015, 31(4), Article 6.
5. Ngo, F., Govindu, R. and **Agarwal, A.**, "Assessing the Predictive Utility of Logistic Regression, Classification and Regression Tree, Chi-Squared Automatic Interaction Detection and Neural Network Models in Predicting Inmate Misconduct" *American Journal of Criminal Justice*, published online, May 2014
6. **Agarwal, A.**, Colak, S., Deane, J. and Rakes, T., "The Task Scheduling Problem: A NeuroGenetic Approach," *Journal of Business and Economics Research*, November, 2013, 11(11), 455-467.
7. **Agarwal, A.**, Colak, S. and Erenguc, S.S., "Multi-Mode Resource Constrained Project Scheduling Problem for Renewable Resource – New Solution Approaches," *Journal of Business and Economics Research*, November, 2013, 11(11), 455-467.
8. Deane, J. and **Agarwal, A.**, "Scheduling Online Advertisements to Maximize Revenue under Non-Linear Pricing," *Journal of Computer Information Systems*, 2013, 53(2), 85-92
9. Deane, J. and **Agarwal, A.**, "Neural, Genetic and Neurogenetic Approaches For Solving the 0-1 Multidimensional Knapsack Problem," *International Journal of Management Information Systems*, 2013, 17(1), 43-54.
10. Kasap, N. and **Agarwal, A.**, "Augmented Neural Networks and Problem-Structure Based Heuristics for the Bin-Packing Problem," *International Journal of Systems Science*, 2012, 43(8), 1412-1430.
11. Deane, J., and **Agarwal, A.**, "Scheduling Online Advertisements to Maximize Revenue Under Variable Display Frequency," *OMEGA, The International Journal of Management Science*, 2012, 40(5), 562-570.
12. Deane, J., Rakes, T. and **Agarwal, A.**, "Designing Content Distribution Networks for Optimal Cost and Performance," *Information Technology and Management*, 2012, 13(1), 1-15.
13. **Agarwal, A.**, Ramamoorti, S. and Jayaraman, V., "Decision Support Systems for Strategic Conflict Resolution," *International Journal of Management Information Systems*, 2011, 15(4), 13-30.
14. **Agarwal, A.**, Colak, S., and Erenguc, S.S., "A Neurogenetic Approach for the Resource-Constrained Project Scheduling Problem," *Computers and Operations Research*, 2011, 38(1), 44-50.
15. **Agarwal, A.**, Colak, S., and Deane, J., "NeuroGenetic Approach for Combinatorial Optimization: An Exploratory Analysis," *Annals of Operations Research*, 2010, 174(1), 185-199.
16. **Agarwal, A.** and Jayaraman, V., "Scheduling to Minimize Penalties for Suppliers in Integrated Supply Chains," *International Journal of Manufacturing Technology and Management*, 2010, 19(1/2), 68-81.
17. **Agarwal, A.**, "Theoretical Insights into in Augmented Neural Networks for Combinatorial Optimization," *Annals of Operations Research*, 2009, 168(1), 101-117.
18. **Agarwal, A.**, Jayaraman, V. and Ross, A., "Role of Information Technology and Collaboration in Reverse Logistics Supply Chain," *International Journal of Logistics: Research and Applications*, 2008, 11(6), 409-425.

19. Colak, S., **Agarwal, A.** and Erenguc, S.S., "Resource Constrained Project Scheduling Problem: A Hybrid Neural Approach," *Perspectives in Modern Project Scheduling*, Eds. Jan Weglarz and Joanna Jozefowska, 2006, 297-318.
20. **Agarwal, A.**, Colak, S., Jacob, V. and Pirkul, H., "Heuristics and Augmented Neural Networks for Task Scheduling with Non-Identical Machines," *European Journal of Operational Research*, 2006, 175(1), 296-317.
21. **Agarwal, A.**, Colak, S. and Eryarsoy, E., "Improvement Heuristics for the Flow-Shop Scheduling Problem: An Adaptive Learning Approach," *European Journal of Operational Research*, 2006, 169 (3), 801-815.
22. **Agarwal, A.**, Jacob, V. and Pirkul, H., "An Improved Augmented Neural-Networks Approach for Scheduling Problems," *INFORMS Journal on Computing*, 2006, 18(1), 119-128.
23. Colak, S. and **Agarwal, A.**, "Non-greedy Heuristics and Augmented Neural Networks for the Open-Shop Scheduling Problem," *Naval Research Logistics*, 2005, 52(7), 631-644.
24. **Agarwal, A.**, Jacob, V. and Pirkul, H., "Augmented Neural Networks for Task Scheduling," *European Journal of Operational Research*, 2003, 151 (3), 481-502.
25. Barniv, R. and **Agarwal, A.**, "Predicting Bankruptcy Resolution," *Journal of Business Finance and Accounting*, 2002, 29(3), 497-520.
26. **Agarwal, A.**, Davis, J. and Ward, T., "Supporting Ordinal Four-State Classification Decisions Using Neural Networks," *Information Technology and Management*, 2(1), 2001, 5-26.
27. **Agarwal, A.** and Altieri, M.P., "An Object-Oriented Approach for Computing the Present Value/Cost of Deferring Income Under a Non-Qualified Deferred Compensation Agreement," *Journal of Deferred Compensation*, 5(2), 2000, 73-79.
28. **Agarwal, A.**, "Abductive Networks for Two-Group Classification: A Comparison with Neural Networks," *Journal of Applied Business Research*, 1999, 15(2), 1-12.
29. Barniv, R., **Agarwal, A.** and Leach, R., "Predicting the Outcome Following Bankruptcy Filing: A Three-State Classification Using Neural Networks," *Intelligent Systems in Accounting, Finance and Management*, 1997, 6(3), 177-194.

Scholarly Book Chapters

1. **Agarwal, A.**, Colak, S. and Erenguc, S.S., "Metaheuristic Methods for the Resource Constrained Project Scheduling Problem," In: Schwindt, C. and Zimmermann, J. (eds), *Handbook of Project Management*, (2015) pages 57-76.
2. **Agarwal, A.**, "A Neurogenetic Approach for Multiprocessor Scheduling," *Multiprocessor Scheduling*, Ed. Eugene Levner, I-TECH Education and Publishing, 2007, 121-136.
3. **Agarwal, A.** and Bose, I., "Predicting the Survival and Attrition of Click and Mortar Corporations," *Neural Networks in Business: Techniques and Applications*, Eds. Kate Smith and Jatinder Gupta, 2002, 112-123.

Non-Peer Reviewed Articles

1. **Agarwal, A.**, Govindu, R, Ngo, F., Lodwig, S., "Solving the Jigsaw Puzzle: An Analytics Framework for Context Awareness in the Internet of Things," *The Cutter Journal*, 2016, 29(4) 6-11.
2. **Agarwal, A.**, Unhelkar, B., "The Internet of Things", an entry in the *Encyclopedia of the Internet*, Sage Publications, Ed. Barney Warf, Forthcoming 2017.

Editorials

1. **Agarwal, A.** and Wei, J., "Editorial for Special Issue (Volume-2) on Workshop in Artificial Intelligence and Data Mining," *Journal of Information Technology and Management*, 2009, 10(4).
2. **Agarwal, A.** and Wei, J., "Editorial for Special Issue (Volume-1) on Workshop in Artificial Intelligence and Data Mining," *Journal of Information Technology and Management*, 2009, 10(1).
3. **Agarwal, A.** and Malik, K., "Editorial for Special Issue on First International Conference on Information Systems Technology and Management," *Journal of Information Technology and Management*, 2009, 10(1)

Extended Abstracts Published in Refereed Proceedings:

1. Ross, A., Jayaraman, V. and **Agarwal, A.**, "A Framework for Distribution Center Simulation: Opportunities for Understanding the Impact of RFID Deployment," *Proceedings of Second International Conference on Information Systems Technology and Management*, Dubai, UAE, 2008.
2. **Agarwal, A.**, Colak, S., and Erenguc, S.S., "Resource Constrained Project Scheduling Problem: A NeuroGenetic Approach," *Proceedings of the 11th International Workshop in Project Management and Scheduling*, Istanbul, Turkey, 2008.
3. **Agarwal, A.**, Colak, S and Deane, J., "Hybridizing Neural and Genetic Metaheuristics," *Proceedings of First International Conference on Information Systems Technology and Management*, New Delhi, India, pp 332-338, 2007.
4. **Agarwal, A.**, Colak, S. and Erenguc, S.S., "Non-Greedy Heuristics and Adaptive Metaheuristics for the Multi-Mode Resource-Constrained Project Scheduling Problem with Renewable Resources," *Proceedings of the 10th International Workshop in Project Management and Scheduling*, Poznan, Poland 2006.
5. Kasap, N. and **Agarwal, A.**, "Augmented-Neural-Networks Approach for the Bin-Packing Problem," *Proceedings of 4th International Symposium On Intelligent Manufacturing Systems (IMS 2004)*, September 6-8, 2004, Sakarya, Turkey.
6. **Agarwal, A.**, Colak, S., and Erenguc, S., "Resource-Constrained Project Scheduling: The Augmented Neural- Network Approach," *Proceedings of the 9th International Workshop in Project Management and Scheduling*, Nancy, France, 2004.
7. Colak, S., and **Agarwal, A.**, "Augmented Neural Network for the Open Shop Scheduling Problem," *Proceedings of the 9th International Workshop in Project Management and Scheduling*, Nancy, France, 2004.
8. Colak, S., and **Agarwal, A.**, "Augmented Neural Network for the Open Shop Scheduling Problem," *Proceedings of the 9th International Workshop in Project Management and Scheduling*, Nancy, France, 2004.
9. **Agarwal, A.**, Jacob, V. and Pirkul, H., "Measurement Criteria and Effects of Training Tolerance and Learning Rates for Two-Group Classification Using Neural Networks: The Case of Bankruptcy Prediction," *Proceedings of the First INFORMS Conference on Information Systems and Technology*, May 1996, Washington D.C.

Conference Presentations (with abstracts published in proceedings):

1. Govindu, R, **Agarwal, A.** "Heuristics for Lot Streaming in Flow Shop Scheduling," *INFORMS Annual Conference*, 2016, Nashville, TN
2. Govindu, R, **Agarwal, A.** and Curran, J., "The Retail Shelf Space Problem: An Analytics Approach," *POMS Annual Conference*, 2016, Orlando, FL.
3. **Agarwal, A.** and Govindu, R., "New Heuristics for Lot Streaming in Flowshop Scheduling," *POMS Annual Conference*, 2016, Orlando, FL.
4. Govindu, R, **Agarwal, A.** and Curran, J., "An Analytics Framework for the Retail Shelf Space Problem," *INFORMS Annual Conference*, Nov., 2015, Philadelphia, PA, USA.
5. **Agarwal, A.** and Govindu, R., "Issues in Batch Flowship and Lot Streaming Problems," *INFORMS Annual Conference*, Nov. 2015, Philadelphia, PA, USA.
6. **Agarwal, A.**, and Govindu, R., "Metaheuristics for a Supply Chain Scheduling Problem with Delivery Splitting," *POMS Annual Conference*, 2015, Washington DC.
7. **Agarwal, A.** and Govindu, R., "Efficient Heuristics for the Multi-Unit Flow Shop Problem," *POMS Annual Conference*, 2015, Washington DC.
8. **Agarwal, A.**, and Govindu, R., "A Neurogenetic Approach for the Flow Shop Scheduling Problem," *POMS Annual Conference*, 2015, Washington DC.
9. Govindu, R, **Agarwal, A.** and Curran, J., "An Analytics Framework for the Retail Shelf Space Problem," *POMS Annual Conference*, 2015, Washington DC.
10. Govindu, R., and **Agarwal, A.**, "Metaheuristic Based Solution for a Supply Chain Scheduling Problem Involving Multiple Customers," *Annual DSI Conference*, Nov. 2014, Tampa, FL
11. **Agarwal, A.**, and Govindu, R., "Data Driven Optimization for Retail Shelf Space," *INFORMS Annual Meeting*, San Francisco, Nov. 8-12, 2014.
12. Govindu, R., and **Agarwal, A.**, "Minimizing Penalties in Supply Chain Scheduling Involving Multiple Customers," *INFORMS Annual Meeting*, San Francisco, Nov. 8-12, 2014.
13. **Agarwal, A.**, Jayaraman, V. and Ross, A. "Penalty Minimization in Supply Chain Scheduling for Multiple Customers," *25th Annual POMS Conference*, Atlanta, GA, May 9-12, 2014.
14. **Agarwal, A.** "Boundary Conditions for Economics Driven Objective Functions in Project Scheduling," *25th Annual POMS Conference*, Atlanta, GA, May 9-12, 2014.
15. **Agarwal, A.**, Jayaraman, V. and Ross, A. "Issues in Lean Supply Chain Scheduling under Volatile Demand from Multiple Customers," scheduled for presentation at the 24th Annual POMS Conference, Denver, CO, May 3-6, 2013.
16. **Agarwal, A.**, and Deane, J., "Optimization Models for Scheduling Banner Ads for Multiple Web Sites," scheduled for presentation at the 24th Annual POMS Conference, Denver, CO, May 3-6, 2013.
17. **Agarwal, A.** "Boundary Conditions for using Alternative Objectives in Project Scheduling," scheduled for presentation at the 24th Annual POMS Conference, Denver, CO, May 3-6, 2013.
18. **Agarwal, A.** and Curran, J, "Models for the Retail Shelf Space Optimization Problem: New Solution Approaches," scheduled for presentation at the 24th Annual POMS Conference, Denver, CO, May 3-6, 2013.

19. **Agarwal, A.** and Deane, J, "Banner Ad. Scheduling Model for Multiple Web Sites under Variable Display Frequency," 23rd Annual POMS Conference, Chicago, IL, April 20-23, 2012.
20. **Agarwal, A.** "Are the commonly used objectives in Scheduling Economically Optimal?" 23rd Annual POMS Conference, Chicago, IL, April 20-23, 2012.
21. **Agarwal, A.** and Curran, J, "The Retail Shelf Space Optimization Problem: Math Models, Heuristics and Metaheuristics," 23rd Annual POMS Conference, Chicago, IL, April 20-23, 2012.
22. **Agarwal, A.,** Jayaraman, V. and Ross, A., "Resource Estimates and Partial Delivery For Penalty Minimization in Supply Chain Management," 23rd Annual POMS Conference, Chicago, IL, April 20-23, 2012.
23. **Agarwal, A.,** Jayaraman, V., and Srivastava, R., "Risk Minimization in Emergency Response Systems with Multiple Equipment Types," 23rd Annual POMS Conference, Chicago, IL, April 20-23, 2012.
24. Ngo, Fawn T. and **Agarwal, A.,** "Comparing Logistic Regression and Neural Networks in Predicting Inmate Misconduct," Presentation at the Western Society of Criminology Meeting: Newport Beach, CA., 2012.
25. Ngo, Fawn T. and **Agarwal, A.,** "Using Neural Networks to Predict Inmate Misconducts," Annual American Society of Criminology Meeting, 2011, Washington, D.C.
26. **Agarwal, A.,** Jayaraman, V. and Ross, A., "Minimizing Penalties with Partial Deliveries in Integrated Supply Chains in Lean Manufacturing," 22nd Annual Production and Operations Management Conference, Reno, NV, 2011
27. **Agarwal, A.,** "Towards Economically Optimal Objectives for Resource-constrained Project Scheduling," 22nd Annual Production and Operations Management Conference, Reno, NV, 2011
28. **Agarwal, A.,** Jayaraman, V., and Ross, A., "Scheduling with Multiple Deliveries For Penalty Minimization in Collaborative Supply Chains," Annual Meeting of the Decision Science Institute, Baltimore, 2008
29. **Agarwal, A.,** Jayaraman, V. and Ross, A., " A Framework for Distribution Center Simulation: Opportunities for Understanding the Impact of RFID Deployment," Second International Conference on Information Systems Technology and Management, Dubai, 2008
30. **Agarwal, A,** Jayaraman, V. and Ross, A., "Scheduling to Minimize Penalties for a Non-Dedicated Supplier in Integrated Supply Chains," Annual Meeting of Decision Science Institute, Phoenix, 2007
31. **Agarwal, A.,** Colak, S., and Deane, J., "A NeuroGenetic Approach for Optimization Problems," INFORMS Annual Conference, Seattle, 2007
32. **Agarwal, A.,** Colak, S., and Deane, J., "Hybridizing Neural and Genetic Metaheuristics," First International Conference on Information Systems Technology and Management, New Delhi, India, 2007.
33. Colak, S., Erenguc S.S. and **Agarwal, A.,** "A Neurogenetic Approach for Resource Constrained Project Scheduling," presented at INFORMS Annual Conference, Pittsburgh, 2006.
34. **Agarwal, A.,** Jayaraman, V., and Srivastava, R., "Genetic Algorithms for Multiple Equipment Multiple Cover Facility Location Allocation Problem," presented at INFORMS Annual Conference, Pittsburgh, 2006.

35. Deane, J., and **Agarwal**, A., "Scheduling On-Line Advertisements Using Neural Network / Genetic Algorithm Based Metaheuristics," *presented at INFORMS Annual Conference*, Pittsburgh, 2006.
36. **Agarwal**, A., Jayaraman, V., Colak, S., and Pirkul, H., "Capacitated Hub and Router Network Design With Multi-drop Lines," *presented at DSI Annual Conference*, San Antonio, 2006.
37. **Agarwal**, Colak and Erenguc, "Non-Greedy Heuristics and Adaptive Metaheuristics for the Multi-Mode Resource-Constrained Project Scheduling Problem with Renewable Resources," presented at the *10th International Workshop in Project Management and Scheduling*, Poznan, Poland 2006.
38. **Agarwal**, Colak and Erenguc, "Multi-Mode Resource-Constrained Project Scheduling Problem with Renewable Resources: Adaptive Metaheuristics," presented at the *INFORMS National Conference*, San Francisco, CA, November 2005.
39. Deane, **Agarwal**, "Banner Advertising Scheduling," presented at the *INFORMS National Conference*, San Francisco, CA, November 2005.
40. Deane, **Agarwal**, "Augmented Neural Networks for the Knapsack Problem," presented at the *INFORMS National Conference*, Denver, CO, October 2004.
41. **Agarwal**, Colak and Erenguc, "Resource-Constrained Project Scheduling: The Augmented Neural Network Approach," presented, April 27th, 2004 at the *9th International Workshop in Project Management and Scheduling*, 2004, Nancy, France.
42. Colak and **Agarwal**, "Augmented Neural Network for the Open Shop Scheduling Problem," with Selcuk Colak, presented April 28th, 2004 at the *9th International Workshop in Project Management and Scheduling*, 2004, Nancy, France.
43. **Agarwal**, A., Colak, S., "Augmented Neural Network for the Open Shop Scheduling Problem," Presented at *INFORMS National Conference*, Atlanta, October 2003.
44. **Agarwal**, A., Colak, S., Eryarsoy, E., "Improvement Heuristics for the Flow-shop problem : An Adaptive Learning Approach," Presented at *INFORMS National Conference*, Atlanta, October 2003.
45. **Agarwal**, A. and Kasap, N., "Augmented Neural Networks and Problem Structure Based Heuristics for the Bin Packing Problem," Presented at *INFORMS National Conference*, Atlanta, October 2003.
46. **Agarwal**, A., Jacob, V. and Pirkul, H., "Augmented Neural Networks for Scheduling," Presented at the *National INFORMS National Conference*, Miami, November 2001.
47. **Agarwal**, A. and Bose, I., "Data Mining the International Stock Markets," *Twelfth Annual Decision and Information Sciences Workshop*, Istanbul, Turkey, July 2000.
48. **Agarwal**, A., Davis, J. and Ward, T., "Supporting Ordinal Four-State Classification Decisions Using Neural Networks," Forum presentation at *Fifth Annual AIS Research Symposium*, Phoenix, AZ, February 1998.
49. **Agarwal**, A., Jacob, V. and Pirkul, H., "Augmented Neural Networks for Job-Shop Scheduling," Presented at the *National INFORMS Conference*, Dallas, October 29, 1997.
50. Barniv, A., **Agarwal**, A. and Leach, R., "Predicting the Outcome Following Bankruptcy Filing: A Three-State Classification Using Neural Networks," Presented in a Concurrent Session of AI/ES Section, *National Convention of the American Accounting Association*, Dallas, August 19, 1997.

51. Barniv, A. and **Agarwal**, A. and Leach, R., "Predicting the Outcome Following Bankruptcy Filing: A Three-State Classification Using Neural Networks," Presented at the *Third Joint Akron-Kent Accounting Research Seminar*, Akron OH, February 14, 1997.
52. **Agarwal**, A., Jacob, V., and Pirkul, H., "Measurement Criteria and Effects of Training Tolerance and Learning Rates for Two Group Classification Using Neural Networks : The Case of Bankruptcy Prediction," Presented at the *First INFORMS Conference on Information Systems and Technology*, Washington D.C., May 1996.
53. **Agarwal**, A., "Using Abductive Reasoning Networks for Two-Group Classification: The Case of Bankruptcy Prediction," Presented at the *Second Joint Akron-Kent Accounting Research Seminar*, Kent OH, April 12, 1996.
54. **Agarwal**, A., "A Review of AI/ES in Accounting," Presented at the *Ohio Region AAA Conference*, Toledo, OH, May 5, 1995.
55. **Agarwal**, A., Jacob, V., and Pirkul, H., "Neural Networks for Scheduling," Presented at the *TIMS/ORSA Joint National Conference*, Boston MA, April 24 - 27, 1994.
56. **Agarwal**, A., Jacob, V., and Pirkul, H., "Neural Networks for Scheduling," Presented at a Seminar organized by the Dept. of Finance at Kent State University, Kent OH, Feb. 1994.

Other Formal Presentations

1. **Agarwal**, A., "Predictive Analytics in Big Data" Presented at the PMI, Tampa Bay Meeting, May 17, 2016.
2. **Agarwal**, A., "Big Data Analytics, not just for Big Business" Presented at the PMI, Tampa Bay Meeting, March 15, 2016.
3. **Agarwal**, A., "Big Data Analytics" invited presentation at the Analytics Showcase organized at University of South Florida, Sarasota, February, 26, 2016.
4. **Agarwal**, A., "Predictive Analytics and Text Mining" Presented at the Suncoast Technology Forum, Sarasota, February 16, 2016.
5. **Agarwal**, A., "Big Data Analytics" invited presentation at Korea Advanced Institute of Science and Technology(KAIST), Seoul, July 24th, 2015.
6. **Agarwal**, A., "Big Data Analytics" Presented at the Suncoast Technology Forum, Sarasota, February 17, 2015
7. **Agarwal**, A., Jayaraman, V. and Ross, A., "Scheduling Issues for a Non-Dedicated Supplier in Lean Integrated Supply Chains," at University of Wisconsin, Milwaukee, May 19th, 2012. (Invited Presentation)
8. Deane, J., and **Agarwal**, A., "Scheduling Online Advertisements to Maximize Revenue under Variable Frequency," Presented in the Research Seminar Series at USF, Sarasota, April, 2011.
9. **Agarwal**, A., "Issues in Issues in Lean Scheduling for a Non-Dedicated Supplier in a Flexible Manufacturing Environment within an Integrated Supply Chain," Presented in the Research Seminar Series at USF, Sarasota, March, 2010
10. **Agarwal**, A., "Neurogenetic Approaches for Combinatorial Optimization," University of Akron, Akron, OH, 2008. (Invited Presentation)
11. **Agarwal**, A., "Neurogenetic Approaches for Combinatorial Optimization," University of Northern Illinois, DeKalb, IL, 2008. (Invited Presentation)

12. **Agarwal, A.**, "Neurogenetic Approaches for Common Business Optimization Problems," Korea Advanced Institute of Science and Technology, July 2008. (Invited Presentation)
13. **Agarwal, A.**, "Metaheuristics for Online Scheduling," presented at National Kaohsiung First University of Science and Technology, Taiwan, July 14th, 2006. (Invited Presentation)
14. **Agarwal, A.**, "Heuristics and Metaheuristics for Various Business Problems," presented at Institute of Management Technology, India, July 3rd, 2006. (Invited Presentation)
15. Barniv, A. and **Agarwal, A.** and Leach, R., "Predicting the Outcome Following Bankruptcy Filing: A Three-State Classification Using Neural Networks," Presented at the Third Joint Akron-Kent Accounting Research Seminar, Akron OH, February 14, 1997.
16. **Agarwal, A.**, "Using Abductive Reasoning Networks for Two-Group Classification: The Case of Bankruptcy Prediction," Presented at the Second Joint Akron-Kent Accounting Research Seminar, Kent OH, April 12, 1996.
17. **Agarwal, A.**, Jacob, V., and Pirkul, H., "Neural Networks for Scheduling," Presented at a Seminar organized by Kent State University, Kent OH, Feb. 1994.

Grants Applied

- Ngo, F.T. and Agarwal, A., "Examining the Effectiveness of Legal and Social Responses to Stalking" applied to National Institute of Justice, for an amount of \$33,432.

Teaching:

Teaching Awards:

- Excellence in Teaching Award, University of South Florida, Sarasota-Manatee, 2012 (nominated by students and faculty, Awarded to one faculty, campus-wide per year, included a \$500 Cash award and a certificate)
- College Teacher of the Year Award, Warrington College of Business, University of Florida, 2007 (nominated by students and voted by faculty in the College Teaching Committee, included \$2,000 cash award and a plaque)
- Professor of the Year, Dept. of ISOM, University of Florida, 2007 (nominated and Voted by AITP Students)
- Professor of the Year, Dept. of DIS, University of Florida, 1999 (nominated and voted by DIS Society students)
- Professor of the Year, Department of Accounting, Kent State University, 1998 (nominated and voted by the students of Accounting Association and Beta Alpha Psi).

Teaching Award Nominations:

- Nominated by the College of Business for the University-wide Teacher of the Year award (2007) at the University of Florida.
- Nominated by the students for College Teaching Award (1999 and 2001) at University of Florida.
- Nominated by the students for the University-wide TA of the Year Award (1993) at The Ohio State University.

Courses Taught**Ph.D. Level**

- Seminar on Technical IS Research (ISM-7911, at USF, Tampa campus, 2010, 2012 - team taught course)
- Seminar on Computations Methods in Bus. (ISM-6930, at USF, Tampa campus, 2009, 2011 - team taught course)
- Web Mining (at UF, 2004)
- Metaheuristics (at UF, 2006, 2007)

Masters Level

- Big Data Management and Analytics (To MBA students at USF, Spring 2014, Spring 2015, 2016, Fall 2016)
- Business Analytics and Big Data (To MBA students at USF, Fall 2017)
- Big Data Analytics (To Global MBA students at Korea Univ., 2015, 2016)
- Uncertainty, Data and Decisions (To Global MBA students at Korea Univ., 2011, 2012)
- Statistics (Managerial Decision Analysis) (To MBA students at USF, 2009, 2011, 2012, 2013, 2014, 2015, 2016)
- Operations Mgt. and Quality Enhancement (To MBA students at USF, 2010, 2011, 2012, 2013)
- Systems Analysis and Design (To Masters in IS at UF, 2009)
- MIS in Organizations (Executive MBA at UF, 2008, 2000, 2001)
- MIS in Organizations (To MBA students at USF, 2010 - 2016)
- Visual Basic (To Masters in IS at UF, many times 2000-2009)
- Database Management (To Masters in IS at UF, many times 1998-2009)
- Advanced Accounting Information Systems (To Masters in Accounting at KSU, many times, 1993-1998)
- Decision Support Systems (To Masters in IS at UF, many times 2004-2009)
- C# Programming Language (To Masters in IS at UF, many times 2004-2009)
- Web Programming (To Masters in IS students at UF, 2000)

Undergraduate Level Courses Taught

- Big Data Analytics (at Korea University, 2014)
- Business Analytics (at USF Fall 2017)
- Operations and Supply Chain Processes (at USF, 2011, 2012, 2013)
- Application Development (at USF, 2013, 2014, 2015)
- Electronic Commerce (at USF, 2010, 2012, 2014)
- Systems Analysis and Design (at USF, 2009, 2010, at UF many times, 1999-2009)
- Statistics (at Korea University, Summer 2008, '09, '11, '12, '13, '14, '15)
- Business and Economic Statistics-II (at USF, 2009, 2010, 2011, 2012)
- Econometrics (at Korea University, 2010)
- Visual Basic (at UF, many times, 1999 - 2009)
- Database Management (at UF, many times, 1998-2009, at USF, 2015, 2016)
- C# Programming language (at UF, few times, 2002-2004)
- Accounting Information Systems (at Kent State Univ., many times, 1993-1998)
- Principles of Financial Accounting (at KSU and OSU, many times 1990-1997)
- Principles of Managerial Accounting (at OSU, many times, 1990-1993)

- Intermediate Financial Accounting-I (at OSU, two times, 1992-1993)
- Distributed Computer Systems (at NKFUST, Taiwan, 2006)

Distance Learning Courses Taught

- Operations and Supply Chain Processes (at USF-SM, 2011, 2012, 2013)
- Application Development (at USF-SM, 2013, 2014, 2015)
- Mgt. Information Systems in Organizations (at USF-SM, 2013)
- Business Statistics –II (at USF-SM, 2011, 2012)
- Electronic Commerce (at USF-SM, 2010 and 2012)
- Visual Basic (at National Kaohsiung First University of Science and Technology, Taiwan, 2006)
- Distributed Database Systems (at National Kaohsiung First University of Science and Technology, Taiwan, 2007)
- MIS in Organization at Executive MBA level (at UF, 2001, 2002)

International Teaching Experience

- At Korea University, Seoul, Rep. of Korea, International Summer Campus Program, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015 and 2016.
- At Korea University, Seoul, Rep. of Korea, Business School, Global MBA Program, 2011, 2012, 2015 and 2016.
- At National Kaohsiung First University of Science and Technology, Taiwan, 2006, 2007.

Service:

Service Awards

- Excellence in Service award, University of South Florida, 2015 (\$1,000 cash award)
- Nominated for Excellence in Service award, University of South Florida, Sarasota-Manatee, 2012.

Service to the Profession:

Journal Editorial Service

- Editorial Board Member for the journal - *Information Technology and Management*, 2006 to present.
- Editorial Board Member for the journal - *Enterprise Information Systems*, 2006 to present
- Guest Co-Editor for Special Issue of *Information Technology and Management*, tied to the *Second INFORMS Workshop in Artificial Intelligence and Data Mining (WAID)*, 2007. First volume appeared in 2008, the second volume in 2009.
- Guest Co-Editor for Special Issue of *Information Technology and Management*, tied to ICISTM-08. All submissions ended up being rejected – so no issue emerged.
- Guest Co-Editor for Special Issue of *Information Technology and Management*, tied to ICISTM-07. The issue appeared in 2008.
- Served as Associate Editor for 15 papers.
- Served as ad hoc reviewer for over 30 papers for various journals.

Conference Service

- Session Chair for a session at the *INFORMS Annual Meeting*, Philadelphia, PA, 2015
- Session Chair for a session at the 26th *Production and Operations Management Society, Annual Conference*, Washington D.C., May, 2015.
- Session Chair for a session at the *INFORMS Annual Meeting*, San Francisco, CA, 2014
- Session Chair, for a session at the 25th *Production and Operations Management Society, Annual Conference*, Atlanta, GA, May, 2014.
- Session Chair, for a session at the 24th *Production and Operations Management Society, Annual Conference*, Denver, CO, May, 2013
- Session Chair, for two sessions at the 23rd *Production and Operations Management Society, Annual Conference*, Chicago, IL, April, 2012
- Session Chair, 22nd *Production and Operations Management Society, Annual Conference*, Reno, NV, May, 2011
- Program Committee Member, *Fourth International Conf. on Information Systems, Technology and Mgt*, 2010 (Reviewed six papers)
- Program Committee Member, *Third Int. Conference on Information Systems Technology and Management*, India, 2009 (reviewed nine papers)
- Program Co-Chair, *Second International Conference on Information Systems Technology and Management*, Dubai, 2008 (handled 140 submissions)
- Program Co-Chair, *First International Conference on Information Systems Technology and Management*, New Delhi, 2007 (handled 120 submissions)
- Program Co-Chair, *Second INFORMS Workshop for AI and Data Mining*, Seattle, 2007 (handled 35 submissions)
- Session Chair, *DSI conference*, Phoenix, AZ, 2007
- Organized an invited session, *INFORMS* national conference, Seattle, 2007
- Organized an invited session, *INFORMS* national conference, Pittsburgh, 2006
- Organized an invited session, *INFORMS* national conference, Atlanta, 2003
- Program Committee member, *INFORMS* national conference, Miami, 2001
- Member, Academic Relations Committee, The Institute of Internal Auditors, 2000-2003
- Session Chair, *INFORMS* conference, Atlanta, 2003, Machine Learning in Optimization.
- Session Chair, *DIS* Conference, San Diego, 2002, Expert Systems Applications.
- Session Chair, *DIS* Conference, San Diego, 2002, Accounting.
- Discussant, *ICIS* Conference, New Orleans, 2001, E-Commerce.
- Session Chair, *INFORMS* conference, Miami, 2001, Machine Learning in Optimization.
- Service from 1993-2000 not listed.

Service to College and University

At USF

- Chair of Search Committee for a faculty position in the department of ISDS, 2015-2016.
- Member, Search Committee for two faculty positions in the department of IT, 2015-2016.
- Senate representative for the College of Business at the USFSM faculty senate, 2014 – 2016

- Member, Strategic Planning Committee for College of Business, 2015-16
- Member, Strategic Planning Committee for USF-SM, Spring 2015
- Chair, Strategic Research Planning Subcommittee for USF-SM, Spring 2015
- Chair, Task Force to evaluate College Structure at USF-Sarasota, 2014-15
- Chair of USF University Tenure and Promotion Committee, 2013-2015
- Member, University Tenure and Promotion Committee, USF-SM, 2009 to 2016
- Chair, ad hoc T&P Committee for Full Professor promotion review, 2014-15
- Faculty Liaison, Board of Trustees, Finance and Audit Workgroup, 2011 to 2013
- Ad Hoc College Tenure and Promotion Committee for two candidates, College of Business, USF-SM, 2009
- Member, Graduate Committee, College of Business, USF-SM, 2009 – 2014
- Chair of Search Committee for two faculty positions in the department of ISDS, 2011-2012
- Chair of Search Committee for a Management faculty member at USF-SM, 2013-14.
- Member, Search Committee for two faculty positions in the College of Hotel and Restaurant Management, 2012

At UF

- AITP Faculty Advisor, UF, 2006-2007
- College Teaching Committee, UF, 2006-2007
- Instruction Resource Committee, UF, 2004-2006
- Masters Admissions Committee, UF, 2000 – 2003
- ERP Vision Committee, UF, 2000-2001