

ANURAG AGARWAL

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Dept. of Information Systems and Operations Management
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Employment:

- 2019-Present: Professor, Dept. of Information Systems and Operations Management, Lutgers College of Business, Florida Gulf Coast University, Fort Myers, FL, USA
- 2020- 2025 : Program Coordinator, M.S. Program in Information Systems and Analytics (MS-ISA) at Lutger College of Business, at Florida Gulf Coast University, Fort Myers, FL, USA
- 2020- 2025 : Program Coordinator, M.S. Program in Data Analytics and Artificial Intelligence, (MS-DAAI) at Lutger College of Business, at Florida Gulf Coast University, Fort Myers, FL, USA
- 2021- 2024: Director, Institute for Technological Innovation at Lutger College of Business, at Florida Gulf Coast University, Fort Myers, FL, USA
- 2013-2019 : 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 – 2025: Summer Visiting Faculty, International Summer Campus, Korea University, Seoul, South Korea.
- 2011 - 2018: Visiting faculty for Global MBA program, Korea University, Seoul, 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.
- 1990 – 1993: Teaching Assistant, College of Business, The Ohio State University, Columbus, Ohio, USA
- 1988 – 1990: Research Assistant, Computing Center, College of Business, The Ohio State University, Columbus, Ohio, USA
- 1987 – 1988: Research Assistant, Business Economic Bureau, Univ. of Wisconsin, La Crosse, WI, USA
- 1984 – 1986: Programmer Analyst (Tata Motor Co. Pune, India)

Education:

- Ph.D., The Ohio State University, Columbus, OH, USA, 1993.
 - Major: Management Information Systems
 - Minors: Economics and Statistics
 - Substantial coursework in Computer Science
 - Substantial coursework in Industrial Engineering
- MBA, University of Wisconsin, La Crosse, WI, USA, 1988.
 - Major: Finance
- B.E., Indian Institute of Technology, Roorkee, India, 1984.
 - Major: Mechanical Engineering
- High School, Delhi Public School, Mathura Road, New Delhi, India, 1980.

Awards Summary:

- Best Paper Award, given by Lutgert College of Business, Florida Gulf Coast University, 2025
- Recognition for Leadership at USFSM, 2019 (Permanent Brick on campus)
- Nominated for Excellence in Research Award, University of South Florida, 2018
- Excellence in Service Award at University of South Florida, 2015 (Cash award, \$1,000, plus Brick)
- Research Recognition Award, University of South Florida, 2015
- Excellence in Teaching Award at University of South Florida, 2012 (Cash award, \$500, plus Brick)
- Recognition of Service Award at University of South Florida, 2012
- Nominated for University-Wide Teacher of the Year Award, University of Florida, 2007
- College Teacher of the Year Award, College of Business, University of Florida, 2007 (Cash award, \$2,000, plus plaque)
- Professor of the Year, Dept. of ISOM, College of Business, University of Florida, 2007 (trophy)
- Professor of the Year, Dept. of DIS, College of Business, University of Florida, 1999 (trophy)
- Professor of the Year, Dept. of Accounting, Kent State University, 1998 (trophy)
- Nominated for University-Wide TA of the Year Award, The Ohio State University, 1993

Research:

Link to Google Scholar

<https://scholar.google.com/citations?user=RT63mDMAAAA&hl=en&oi=ao>

(h-index = 21; 4181 citations as per Google Scholar as of 2/13/2026)

Publications:

1. Chen, M.T., Agarwal, A., and Park, K., "The Impact of Privacy Data Utilization and Protection on User Continuance intention: A Structural Equation Modeling Approach," *Asia Pacific Journal of Marketing and Logistics* (Forthcoming, 2026).
2. Ngo, F., Agarwal, A., Govindu, R., "From Offline to Online: Examining Stalking Victimization Trends and Correlates Across Two National Surveys," *Asian Journal of Criminology* 2026, 21 (4).
<https://doi.org/10.1007/s11417-025-09479-9>.
3. Ngo, F., Agarwal, A., and Govindu, R., "A Comparative Analysis of Identity Theft Victimization and Preventive Measures Among Self-Employed, Private Industry, and Government Employees" *Crime and Delinquency*, 2025, es. Crime & Delinquency, 0(0).
<https://doi.org/10.1177/00111287251359280>.

4. Kim, H.J., Murthy, N.N., Agarwal, A., and Park, K.T., "Protecting Workers from Rude Customers to Enhance Organizational Identification in Emotional Labor Environments: A Study with Call Center Agents," *Production and Operations Management*, 2025, 34(10), 3250-3266.
<https://doi.org/10.1177/10591478251332333>
5. Ngo, F.T., Agarwal, A., and Holman, K., "Cyber Hygiene and Cyber Victimization Among Limited English Proficiency (LEP) Internet Users: A Mixed-Method Study," *Victims and Offenders*, 2024 DOI: 10.1080/15564886.2024.2329765
6. Zheng, W., Park, K.T., and Agarwal, A., "The Antecedents of Consumer's Perceived Value and Repurchase Intention in the O2O Food Delivery Service Value Chain," *Journal of Service Science*, 20(2), 1-23, 2023.
7. Oliveira, F.M., Balbino, M.S., Zarate, L.E., Ngo, F., Govindu, R., **Agarwal, A.** & Nobre, C.N., "Predicting Inmates Misconduct Using the SHAP Approach", *Artificial Intelligence and Law*, 2023, <https://doi.org/10.1007/s10506-023-09352-z>
8. Tang, G.X., Park, K.T., **Agarwal, A.**, and Liu, F., "Impact of Innovation Culture, Organization Size and Technological Capability on the Performance of SMEs: The Case of China", *Sustainability*, 2020, 12, 1355; doi:10.3390/su12041355
9. Agarwal, A., and Unhelkar, B., "The Internet of Things", Book Chapter in the *Handbook on Geographies of the Internet*, Ed. Warf Barney, 2020.
10. Ngo, F, Agarwal, A., Govindu, R., MacDonald, C. "Malicious Software Threats", Book Chapter in *The Palgrave Handbook of International Cybercrime and Cyberdeviance*, Ed. Thomas J. Holt, 2019.
11. Ngo, F., Govindu, R., **Agarwal, A.** "Traditional Regression Methods versus the Utility of Machine Learning Techniques in Forecasting Inmate Misconduct in the United States: An Exploration of the Prospects of the Techniques", *International Journal of Criminal Justice Sciences*, 2018
12. **Agarwal, A.**, Unhelkar, B., "The Internet of Things", an entry in the *Encyclopedia of the Internet*. Sage Publications, Ed. Barney Warf, 2017.
13. 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
14. 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.
15. **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.
16. 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.
17. 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.
18. 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*, 2015, 40: 47-74.
19. **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.

20. **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.
21. **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.
22. 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
23. 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.
24. 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.
25. 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.
26. 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.
27. **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.
28. **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.
29. **Agarwal, A.**, Colak, S., and Deane, J., "NeuroGenetic Approach for Combinatorial Optimization: An Exploratory Analysis," *Annals of Operations Research*, 2010, 174(1), 185-199.
30. **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.
31. **Agarwal, A.**, "Theoretical Insights into in Augmented Neural Networks for Combinatorial Optimization," *Annals of Operations Research*, 2009, 168(1), 101-117.
32. **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).
33. **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).
34. **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)
35. **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.
36. **Agarwal, A.**, "A Neurogenetic Approach for Multiprocessor Scheduling," *Multiprocessor Scheduling*, Ed. Eugene Levner, I-TECH Education and Publishing, 2007, 121-136.
37. 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.

38. **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.
39. **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.
40. **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.
41. 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.
42. **Agarwal, A.**, Jacob, V. and Pirkul, H., "Augmented Neural Networks for Task Scheduling," *European Journal of Operational Research*, 2003, 151(3), 481-502.
43. Barniv, R. and **Agarwal, A.**, "Predicting Bankruptcy Resolution," *Journal of Business Finance and Accounting*, 2002, 29(3), 497-520.
44. **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.
45. **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.
46. **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.
47. **Agarwal, A.**, "Abductive Networks for Two-Group Classification: A Comparison with Neural Networks," *Journal of Applied Business Research*, 1999, 15(2), 1-12.
48. 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.

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. Kim, Sungil, Agarwal, A., "Deep Learning for Stock Investments," *2nd International Conference on Computational Intelligence and Computing Applications (ICCICA-2025)*, Panipat, India, OCT 30-31, 2025.
2. Ngo, F., **Agarwal, A.**, Govindu, R., "Predicting Identity Theft: A Comparative Assessment of Logistic Regression, Classification and Regression Trees, and Neural Networks Using Multi-Wave NCVS Data", *25th Annual Conference of the European Society of Criminology*, Athens, Greece, Sept 3-6, 2025,
3. Kim, H, Murthy, N, **Agarwal, A.**, and Park, K.T. "Enhancing Organizational Identification for Emotional Labor: Implications for Managing Call Centers", *33rd POMS Annual Conference*, Orlando, May 24, 2023.
4. Kim, H, Murthy, N, **Agarwal, A.**, and Park, K.T. "Enhancing Organizational Identification for Emotional Labor: Implications for Managing Call Centers", *32nd POMS Annual Conference*, Online, April 24, 2022.
5. Agarwal, A. and Govindu, R., "Revisiting Objective Functions for Scheduling Models", *31st POMS Annual Conference*, Online, April 30-May 5, 2021
6. Govindu, R., **Agarwal, A.**, "Mixed Integer Linear Programming Formulation for a Supply Chain Scheduling Problem with Penalties", *29th POMS Annual Conference*, Washington D.C., May. 3-6, 2019
7. Govindu, R., **Agarwal, A.**, "An MILP Formulation for the Flowshop Lot Streaming Problems," *29th POMS Annual Conference*, Washington D.C., May 3-6, 2019
8. Govindu, R., **Agarwal, A.**, "Heuristic vs. exact method comparison of a Supply Chain Scheduling Problem with Penalties", *INFORMS Conference*, Phoenix, AZ, Nov. 4-7, 2018
9. Govindu, R., **Agarwal, A.**, "A Mixed Integer Linear Programming formulation for Permutation Flowshop Lot Streaming Problems," *INFORMS Conference*, Phoenix, AZ, Nov. 4-7, 2018

10. Govindu, R., **Agarwal, A.**, "A Mixed Integer Linear Programming formulation for Scheduling Permutation Flowshop Lot Streaming Problems," *POMS Annual Conference*, Houston, TX, May 4-7, 2018
11. Govindu, R., **Agarwal, A.**, "Performance comparison of Heuristics and Exact Method on a Supply Chain Scheduling Problem with Penalties", *POMS Annual Conference*, Houston, TX, May 4-7, 2018
12. Govindu, R., **Agarwal, A.** "Heuristics for Lot Streaming in Flow Shop Scheduling," *INFORMS Annual Conference*, 2016, Nashville, TN
13. Govindu, R., **Agarwal, A.** and Curran, J., "The Retail Shelf Space Problem: An Analytics Approach," *POMS Annual Conference*, 2016, Orlando, FL.
14. **Agarwal, A.** and Govindu, R., "New Heuristics for Lot Streaming in Flowshop Scheduling," *POMS Annual Conference*, 2016, Orlando, FL.
15. Govindu, R., **Agarwal, A.** and Curran, J., "An Analytics Framework for the Retail Shelf Space Problem," *INFORMS Annual Conference*, Nov., 2015, Philadelphia, PA, USA.
16. **Agarwal, A.** and Govindu, R., "Issues in Batch Flowship and Lot Streaming Problems," *INFORMS Annual Conference*, Nov. 2015, Philadelphia, PA, USA.
17. **Agarwal, A.**, and Govindu, R., "Metaheuristics for a Supply Chain Scheduling Problem with Delivery Splitting," *POMS Annual Conference*, 2015, Washington DC.
18. **Agarwal, A.** and Govindu, R., "Efficient Heuristics for the Multi-Unit Flow Shop Problem," *POMS Annual Conference*, 2015, Washington DC.
19. **Agarwal, A.**, and Govindu, R., "A Neurogenetic Approach for the Flow Shop Scheduling Problem," *POMS Annual Conference*, 2015, Washington DC.
20. Govindu, R., **Agarwal, A.** and Curran, J., "An Analytics Framework for the Retail Shelf Space Problem," *POMS Annual Conference*, 2015, Washington DC.
21. Govindu, R., and **Agarwal, A.**, "Metaheuristic Based Solution for a Supply Chain Scheduling Problem Involving Multiple Customers," *Annual DSI Conference*, Nov. 2014, Tampa, FL
22. **Agarwal, A.**, and Govindu, R., "Data Driven Optimization for Retail Shelf Space," *INFORMS Annual Meeting*, San Francisco, Nov. 8-12, 2014.
23. Govindu, R., and **Agarwal, A.**, "Minimizing Penalties in Supply Chain Scheduling Involving Multiple Customers," *INFORMS Annual Meeting*, San Francisco, Nov. 8-12, 2014.
24. **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.
25. **Agarwal, A.** "Boundary Conditions for Economics Driven Objective Functions in Project Scheduling," *25th Annual POMS Conference*, Atlanta, GA, May 9-12, 2014.
26. **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.
27. **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.
28. **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.

29. **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.
30. **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.
31. **Agarwal, A.** "Are the commonly used objectives in Scheduling Economically Optimal?" 23rd Annual POMS Conference, Chicago, IL, April 20-23, 2012.
32. **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.
33. **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.
34. **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.
35. 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.
36. Ngo, Fawn T. and **Agarwal, A.,** "Using Neural Networks to Predict Inmate Misconducts," *Annual American Society of Criminology Meeting*, 2011, Washington, D.C.
37. **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
38. **Agarwal, A.,** "Towards Economically Optimal Objectives for Resource-constrained Project Scheduling," *22nd Annual Production and Operations Management Conference*, Reno, NV, 2011
39. **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
40. **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
41. **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
42. **Agarwal, A.,** Colak, S., and Deane, J., "A NeuroGenetic Approach for Optimization Problems," *INFORMS Annual Conference*, Seattle, 2007
43. **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.
44. Colak, S., Erenguc S.S. and **Agarwal, A.,** "A Neurogenetic Approach for Resource Constrained Project Scheduling," presented at INFORMS Annual Conference, Pittsburgh, 2006.
45. **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.

46. Deane, J., and **Agarwal**, A., "Scheduling On-Line Advertisements Using Neural Network / Genetic Algorithm Based Metaheuristics," *presented at INFORMS Annual Conference*, Pittsburgh, 2006.
47. **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.
48. **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.
49. **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.
50. Deane, **Agarwal**, "Banner Advertising Scheduling," presented at the *INFORMS National Conference*, San Francisco, CA, November 2005.
51. Deane, **Agarwal**, "Augmented Neural Networks for the Knapsack Problem," presented at the *INFORMS National Conference*, Denver, CO, October 2004.
52. **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.
53. 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.
54. **Agarwal**, A., Colak, S., "Augmented Neural Network for the Open Shop Scheduling Problem," Presented at *INFORMS National Conference*, Atlanta, October 2003.
55. **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.
56. **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.
57. **Agarwal**, A., Jacob, V. and Pirkul, H., "Augmented Neural Networks for Scheduling," Presented at the *National INFORMS National Conference*, Miami, November 2001.
58. **Agarwal**, A. and Bose, I., "Data Mining the International Stock Markets," *Twelfth Annual Decision and Information Sciences Workshop*, Istanbul, Turkey, July 2000.
59. **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.
60. **Agarwal**, A., Jacob, V. and Pirkul, H., "Augmented Neural Networks for Job-Shop Scheduling," Presented at the *National INFORMS Conference*, Dallas, October 29, 1997.
61. 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.
62. 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.
63. **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.

64. **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.
65. **Agarwal, A.**, "A Review of AI/ES in Accounting," Presented at the *Ohio Region AAA Conference*, Toledo, OH, May 5, 1995.
66. **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.
67. **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.**, "Big Data" Presented at the Rotary Club of Lakewood Ranch, Sarasota, FL, November 7, 2019. (Invited Presentation).
2. **Agarwal, A.**, "Predictive Analytics in Big Data" Presented at the PMI, Tampa Bay Meeting, May 17, 2016. (Invited Presentation).
3. **Agarwal, A.**, "Big Data Analytics, not just for Big Business" Presented at the PMI, Tampa Bay Meeting, March 15, 2016. (Invited Presentation).
4. **Agarwal, A.**, "Big Data Analytics" invited presentation at the Analytics Showcase organized at University of South Florida, Sarasota, February, 26, 2016.
5. **Agarwal, A.**, "Predictive Analytics and Text Mining" Presented at the Suncoast Technology Forum, Sarasota, February 16, 2016. (Invited Presentation).
6. **Agarwal, A.**, "Big Data Analytics" invited presentation at Korea Advanced Institute of Science and Technology(KAIST), Seoul, July 24th, 2015.
7. **Agarwal, A.**, "Big Data Analytics" Presented at the Suncoast Technology Forum, Sarasota, February 17, 2015
8. **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)
9. 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.
10. **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
11. **Agarwal, A.**, "Neurogenetic Approaches for Combinatorial Optimization," University of Akron, Akron, OH, 2008. (Invited Presentation)
12. **Agarwal, A.**, "Neurogenetic Approaches for Combinatorial Optimization," University of Northern Illinois, DeKalb, IL, 2008. (Invited Presentation)
13. **Agarwal, A.**, "Neurogenetic Approaches for Common Business Optimization Problems," Korea Advanced Institute of Science and Technology, July 2008. (Invited Presentation)

14. **Agarwal, A.**, “Metaheuristics for Online Scheduling,” presented at National Kaohsiung First University of Science and Technology, Taiwan, July 14th, 2006. (Invited Presentation)
15. **Agarwal, A.**, “Heuristics and Metaheuristics for Various Business Problems,” presented at Institute of Management Technology, India, July 3rd, 2006. (Invited Presentation)
16. 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.
17. **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.
18. **Agarwal, A.**, Jacob, V., and Pirkul, H., “Neural Networks for Scheduling,” Presented at a Seminar organized by Kent State University, Kent OH, Feb. 1994.

Patents:

- Methods and Systems for Valuing a Business Decision, US Patent, 2015, 10/914,595

Articles in Progress:

1. Ngo, F., Agarwal, A., and Govindu, R., “From Offline to Online: Examining Stalking Trends and Correlates Across Two National Surveys” under revise and resubmit stage at *Asian Journal of Criminology*
2. Ting, T., Agarwal, A., and Park, K.T., “The Impact of Privacy Data Utilization and Protection on User Continuance intention: A Structural Equation Modeling Approach” under revise and resubmit stage at *Asia Pacific Journal of Marketing and Logistics*.

Teaching:

Teaching Related 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).
- 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.

Rate My Professors Ratings: Rating of 4.7/5 with 55 ratings at USF
 Rating of 4.7/5 with 7 ratings at UF

Ph.D. Advising:

- Dissertation Chair, Jason Deane, UF, 2006
- Dissertation Chair, Selcuk Colak, UF, 2006

Courses Taught:

Ph.D. Level:

- Seminar on Technical IS Research (ISM-7911, at USF, Tampa campus, 2010, '12 - team taught course)
- Seminar on Computations Methods in Bus. (ISM-6930, at USF, Tampa campus, 2009, '11 - team taught course)
- Seminar on Web Mining (at UF, 2004)
- Seminar on Metaheuristics (at UF, 2006, '07)

Masters Level:

- Web, Mobile and Social Technologies (Master of IS and Analytics at FGCU, 2019)
- Project Management (Master of IS and Analytics at FGCU, 2019, '20, '21, '22, '23, '24, '25, '26)
- Big Data Analytics and Management (Master of IS and Analytics at FGCU, 2024, '25, '26)
- Business Intelligence and Visualization (Master of IS and Analytics at FGCU, 2019, '20, '21, '22, '23, '24, '25)

- Programming for Analytics and ML (Master of IS and Analytics at FGCU, 2022, '23, '24, '25)
- Big Data Analytics and Management (To MBA students at USF, 2014, '15, '16, '17)
- Business Analytics and Big Data (To MBA students at USF, 2017)
- Big Data Analytics (To Global MBA students at Korea Univ., 2015, '16, '17, '18)
- Uncertainty, Data and Decisions (To Global MBA students at Korea Univ., 2011, '12)
- Statistics (Managerial Decision Analysis) (To MBA students at USF, 2009, '11, '12, '13, '14, '15, '16)
- Operations Mgt. and Quality Enhancement (To MBA students at USF, 2010, '11, '12, '13)
- Systems Analysis and Design (To Masters in IS at UF, 2009)
- MIS in Organizations (Executive MBA at UF, 2000, '01, '08)
- 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:

- Generative AI and LLMs (at Korea Univ, 2025)
- Management Information Systems (at FGCU 2019, '20, '21, '22, '23, '24)
- Tools for Data Analytics (at FGCU 2020, '21, '22, '23, '24)
- Project Management (at FGCU 2025)
- Big Data Analytics (at Korea University, 2014, 2022)
- Business Analytics (at USF 2015, '17, '18 and 19)
- Operations and Supply Chain Processes (at USF, 2011, '12, '13)
- Application Development (at USF, 2013, '14, '15)
- Electronic Commerce (at USF, 2010, '12, '14)
- Systems Analysis and Design (at USF, 2009, '10, at UF many times, 1999-2009)
- Statistics (at Korea University, Summer 2008, '09, '11, '12, '13, '14, '15, '16, '17, '18, '19, '21, '22)
- Business and Economic Statistics-II (at USF, 2009, '10, '11, '12)
- Econometrics (at Korea University, 2010)
- Visual Basic (at UF, many times, 1999 - 2009)
- Database Management (at UF, many times, 1998-2009, at USF, 2015, '16)
- 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)

Online Courses:

- Application Development (at USF-SM, 2011, '12, '13, '14, '15, '16, '17, '18)
- Database Management (at USF-SM, 2011, '12, '13, '14, '18)

- Business Analytics (at USF 2015, '17, '18)
- Business Informatics (at USF 2018)
- Operations and Supply Chain Processes (at USF-SM, 2011, '12, '13)
- Application Development (at USF-SM, 2013, '14, '15)
- Mgt. Information Systems in Organizations (at USF-SM, 2013)
- Business Statistics –II (at USF-SM, 2011, '12)
- 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, '02)
- Big Data Analytics (at KU, 2022)
- Statistics (at KU, 2022)

International Teaching Experience:

- At Korea University, Seoul, Rep. of Korea, International Summer Campus Program, 2008 through 2025 every year except 2020 (Covid).
- At Korea University, Seoul, Rep. of Korea, International Winter Campus Program, 2022, 25
- At Korea University, Seoul, Rep. of Korea, Business School, Global MBA Program, 2011, 2012, 2015, 2016, 2017 and 2018.
- At National Kaohsiung First University of Science and Technology, Taiwan, 2006, 2007.

Service:

Service Related 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 2019.
- 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 about 25 papers.
- Served as ad hoc reviewer for over 40 papers for various journals.

Conference Service:

- Session Chair for a session at the *POMS Annual Meeting*, Online, 2021
- Session Chair for a session at the *POMS Annual Meeting*, Washington D.C., 2019
- Session Chair for a session at the *POMS Annual Meeting*, Houston, TX, 2018
- Session Chair for a session at the *POMS Annual Meeting*, Orlando, FL, 2016
- 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 the College and the University:

At FGCU

- Member, Peer-Review Committee, LCOB, 2020-21, 21-22
- Three Search Committees for faculty, ISOM, LCOB, 2019-20
- Chair, Faculty Search Committee, ISOM, LCOB, 2020-21, 22-23
- Program Leader, MSISA program, 2020 – present
- Member, Graduate Program Committee, 2020 – present
- Member, LCOB Strategic Planning Committee, 2020-21, 21-22
- Member, Data Analytics Committee,, 2022-23
- Director, Institute of Technological Innovation, 2021-23

At USF

- Vice President, Faculty Senate, USF, 2017-18
- Chair, T&P Committee for Full Professors, 2017-18
- 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, 2015-18
- 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