Curriculum Vitae (CV)

Dursun Delen, Ph.D.

Regents Professor of Management Science and Information Systems
William S. Spears Endowed Chair in Business Administration
Patterson Family Endowed Chair in Business Analytics
Director of Research for the Center for Health Systems Innovation
Director of Health Analytics Graduate Certificate Program
Spears School of Business.

SSB/OSU: https://spears.okstate.edu/delen
Google Scholar: https://scholar.google.com/citations?user=jGLGJIgAAAAJ&hl=en
ORCID: https://orcid.org/0000-0001-8857-5148
Scopus: https://www2.scopus.com/authid/detail.uri?authorId=55887961100
Research Gate: https://www.researchgate.net/profile/Dursun_Delen

SOME HIGHLIGHTS OF ACADEMIC ACCOMPLISHMENTS:

- Regents Distinguished Research Faculty Award in 2021.
- President's Outstanding Research Faculty Award in 2021 and 2012.
- Data Science RoAD-Trip Mentor Award (NIH/USC Sponsored) (2017, 2018, 2019)
- Honored with Regents Professor title in 2016
- Best Research Paper Award at Business Analytics Congress in 2015.
- Richard W. Poole Faculty Research Excellence Award at Spears School of Business nine consecutive years (2010-2017).
- Best Research Paper Award at AMCIS Conference in 2014.
- Patterson Foundation Endowed Chair in Health Analytics in 2013.
- Fulbright Scholar Award (Senior Specialist in Analytics) in 2013.
- William S. Spears Endowed Chair in Business Administration in 2011.
- Authored ten textbooks in the field of analytics, data mining and information systems.
- Authored 100+ peer reviewed journal articles; 36 of them were published in the journals included in the list of bounty ("A/A+") journals in Spears School of Business at OSU.
- Delivered more than 70 presentations at national/international conferences/symposiums, of which 30+ of them were invited/sponsored/keynote presentations.
- Serving as Editor-in-Chief for the Journal of Business Analytics and AI in Business, and serving as co-Editor, Senior Editor, Associate Editor on 12 other journals.
- Served as the general co-chair for the 4th International Conference on Network Computing and Advanced Information Management in Soul, South Korea, in 2008.
- Served as the academic lead on proposing and securing $6 Million ($20M+ with matchings) funds to start the Center for Health System Innovation at OSU in 2013.
- Serving (as the college rep) on several university-wide large research initiatives.
- Serving on the Executive PhD program advisory board since its inception.

PROFESSIONAL POSITIONS

Academic

Regents Professor, Oklahoma State University. (July 1, 2016 - Present).

Director of Research, Center for Health Systems Innovation (January 7, 2013 - Present).

Executive Director (Interim), Center for Health Systems Innovation (September 2013 - 2014).

Fulbright Scholar – Specialist Program, Analytics Curriculum Dev., (June 24 – August 4, 2013)

Professor, Oklahoma State University. (July 1, 2012 – June 30, 2016).

Associate Professor, Oklahoma State University. (July 1, 2007 – June 30, 2012).

Visiting Scholar, Sabanci University, Istanbul, Turkey. (July 1, 2009 - January 4, 2010).

Assistant Professor, Oklahoma State University. (August 1, 2001 - June 30, 2007).

Research Associate, Oklahoma State University. (August 15, 1994 - December 31, 1996).

Teaching Instructor, Oklahoma State University. (August 10, 1996 - December 15, 1996).

Industry

Technical Education and Solution Provider, Business Analytics (August 1, 2001 - Present).

Research Scientist, Knowledge Based Systems, Inc. (January 1, 1997 - August 1, 2001).

System Analyst, Ars-Kom Computer Consulting Co., Istanbul, Turkey. (December 16, 1989 - July 21, 1991).

System Analyst and Computer System Controller, Turkish Navy, Istanbul, Turkey. (August 1, 1988 - December 15, 1989).

System Analyst and COBOL Programmer, AKSAY Maritime Shipping Co., Istanbul, Turkey. (February 15, 1987 - July 31, 1988).

EDUCATION

Ph D, Oklahoma State University, 1996.
Major: Industrial Engineering and Management
Dissertation Title: Development of an Expert System Based Experimental Frame for Modeling of Manufacturing Systems.

MS, Yildiz University, Istanbul, Turkey, 1988.
Major: Industrial Engineering
Thesis Title: Design and Implementation of a Novel Integrated Material Requirement Planning System.

BS, Istanbul Technical University, Turkey, 1986.
Major: Industrial Engineering

AWARDS AND HONORS

OSU Tulsa President's Outstanding Research Award (2021)

Dr. Tim Ireland Outstanding Faculty Service Award (2018)

Data Science RoAD-Trip Mentor Award (NIH/USC Sponsored) (2018)

Data Science RoAD-Trip Mentor Award (NIH/USC Sponsored) (2017)

Regents Professor Recognition (2016)

Citation of Excellence Award (2016)

Richard W. Poole Faculty Research Excellence Award (2016)

Best Research Paper at the Business Analytics Congress (December 12, 2015).

Richard W. Poole Faculty Research Excellence Award (August 1, 2015).

Best Conference Paper at the Americas Conference on Information Systems (AMCIS) (2014)

Richard W. Poole Faculty Research Excellence Award (August 1, 2014).

Regents Distinguished Teaching Award, Oklahoma State University. (August 15, 2013).

Richard W. Poole Faculty Research Excellence Award (August 1, 2013).

Fulbright Scholar Award (Senior Specialist in Analytics) (May 1, 2013).

Patterson Foundation Chair in Health Analytics, Neal Patterson, (February 1, 2013).

Greiner Teaching Award, Spears School of Business. (March 6, 2013).

Regents Distinguished Research Award, Oklahoma State University (August 24, 2012).

Richard W. Poole Faculty Excellence Award, Spears School of Business. (August 17, 2012).

President's Outstanding Faculty Research Award, Oklahoma State University (May 7, 2012).

Richard W. Poole Faculty Excellence Award, Spears School of Business. (August 22, 2011).

William S. Spears Chair in Business Administration (July 2011).

Elected Advisory Board Member (Teradata University Network) (2010).

Richard W. Poole Faculty Excellence Award, Spears School of Business. (August 20, 2010).

Elected Advisory Board Member (Oklahoma Distance Learning Association) (2007-2010).

Commendation for outstanding student evaluations, Spears School of Business. (2005, 2006).

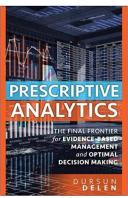Technology innovator in teaching recognition, Oklahoma State University. (May 1, 2005).

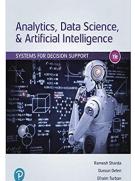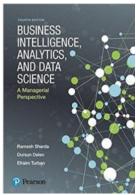INFORMS Young Researcher Award, (May 4, 2003).
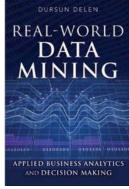
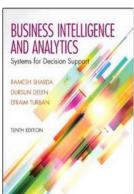# RESEARCH

Published Intellectual Contributions

Books

Delen, D. (2019). *Prescriptive Analytics: The Final Frontier for Evidence-Based Management and Optimal Decision Making* (1st Edition). Financial Times Press (A Pearson Company). Upper Saddle River, New Jersey.

Sharda, R., Delen, D. & Turban, E. (2019). *Business Analytics, Data Science, and Artificial Intelligence: Systems for Decision Support* (11th Edition)". New York, NY: Pearson.

Sharda, R., Delen, D. & Turban, E. (2017). *Business Intelligence, Analytics, and Data Science: A Managerial Perspective*. New York, NY: Pearson.

Delen, D. (2015). *Real-World Data Mining: Applied Business Analytics and Decision Making* (1st Edition). Financial Times Press (A Pearson Company). Upper Saddle River, New Jersey.

Sharda, R., Delen, D., Turban, E. (2014). *Business Intelligence and Analytics: Systems for Decision Support* (10th Edition). Upper Saddle River, NJ: Prentice Hall.

Sharda, R., Delen, D., Turban, E. (2013). *Business Intelligence: A Managerial Perspective on Analytics* (3rd Edition). Upper Saddle River, NJ: Prentice Hall.

Delen, D., Elder, J., Nisbet, B., Hill, T. and Miner, G. (2012). *Practical Text Mining and Statistical Analysis for Non-Structured Text Data Applications.* Waltham, Massachusetts: Academic Press (An Elsevier Company).

[**2012 PROOS Winner (The American Publishers Award for Scholarly Excellence)]

Turban, E., Sharda, R., Delen, D., King, D. (2010). *Business Intelligence: A Managerial Approach (2nd Edition).* Upper Saddle River, NJ: Prentice Hall.

Turban, E., Sharda, R., and Delen, D (2010). *Decision Support and Business Intelligence Systems (9th Edition)* (9th Ed.). Upper Saddle River, NJ: Prentice Hall.

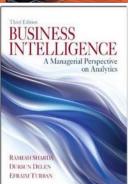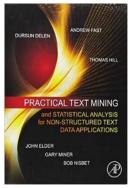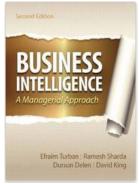Olson, D. and Delen, D. and (2008). *Advanced Data Mining Techniques*. New York, NY: Springer Publishing.

Book Chapters

Delen, D. (2017). "*Data Analytics Process: An Application Case on Predicting Student Attrition*" in Analytics and Knowledge Management. Springer, pp. 31-66.

Fuller, C. & Delen, D. (2012). *"Detecting Deception in Text with Freely Available Text and Data Mining Tools, in Practical Text Mining and Statistical Analysis for Non-structured Text Data Applications*". Academic Press (Elsevier). (1), 533-542.

Delen, D. (2012). "*Extracting Knowledge from Published Literature Using RapidMiner (Tutorial H), in Practical Text Mining and Statistical Analysis for Non-structured Text Data Applications*". Academic Press (Elsevier). 1 (1), 375-394.

Delen, D. (2012). "*Predicting Box Office Success of Motion Pictures with Text Mining, in Practical Text Mining and Statistical Analysis for Non-structured Text Data Applications*". Academic Press (Elsevier). (1), 543-556.

Delen, D. (2009). Predicting Movie Box-Office Receipts Using SPSS Clementine Data Mining Software, in Handbook of Statistical Analysis and Data Mining Applications, 1st Edition, pp. 391-404.

Delen, D., Sharda, R. (2008). *Artificial Neural Networks in Decision Support Systems*. In *Handbook on Decision Support Systems* Volume 1(pp. 557-280), Springer-Verlag Publisher.

Delen, D., Dalal, N. (2007). *"Successful Business Process Transformation at J.D. Edwards," in L. Markus & V. Grover (eds.), Business Process Transformation, Advances in Management Information Systems Research Monographs* (pp. 237-251). M.E. Sharpe Publishing.

Refereed Journal Articles

1. Dag, A., Akcam, Z., Kibis, E., Simsek, S. and Delen, D. (2022). "A Probabilistic Data Analytics Methodology Based on Bayesian Belief Network for Predicting and Understanding Breast Cancer Survival". *Knowledge-Based Systems* (Forthcoming).

2. Ozaydin, B., Zengul, F., Oner, N. and Delen, D. (2022). "Approaches for Text Mining of mHealth Literature". *mHealth* (Forthcoming).

3. Davazdahemami, B., Zolbanin, H.M. and Delen, D. (2022). "An Explanatory Analytics for Early Detection of Chronic Risk Factors in Pandemics". *Healthcare Analytics* (Forthcoming).

4. Davazdahemami, B., Zolbanin, H.M. and Delen, D. (2022). "An Explanatory Machine Learning Framework for Studying Pandemics: The Case of COVID-19 Emergency Department Readmissions". *Decision Support Systems* (Forthcoming).

5. Hajiali, M., Teimoury, E., Rabiee, M. and Delen, D. (2022). "An Interactive Decision Support System for Real-Time Ambulance Relocation with Priority Guidelines Decision Support Systems". *Decision Support Systems* (Forthcoming).

6. Yazici, I., Beyca, O.F. and Delen, D. (2022). "Deep-Learning-based Short-Term Electricity Load Forecasting: A Real-world Application Case". *Engineering Applications of Artificial Intelligence* (Forthcoming).

7. Davazdahemami, B., Peng, P. and Delen, D. (2022). "A Deep Learning Approach for Predicting Early Bounce-Backs to the Emergency Departments". *Healthcare Analytics* (Forthcoming).

8. Eachempati, P., Srivastava, P.R., Kumar, A., de Prat, J.M. and Delen, D. (2022). "Can customer sentiment impact firm value? An integrated text mining approach". *Technological Forecasting and Social Change (Forthcoming).*

9. Delen, D. (2021). "KNIME ANALYTICS PLATFORM - Open-source business analytics and data science tool provides comprehensive capabilities in the classroom". *INFORMS OR/MS Today. (48),* 5 (October Issue), 22-23.

10. Yalcin, A., Kilic, H. Delen, D. (2021). The Use of Multi-Criteria Decision-Making Methods in Business Analytics: A Comprehensive Literature Review. *Technological Forecasting & Social Change* (Forthcoming).

11. Kiris, S.B., Eryarsoy, E., Zaim, S. and Delen, D. (2021). An Integrated Approach for Lean Production Using Simulation and Data Envelopment Analysis. *Annals of Operations Research* (Forthcoming).

12. Delen, D. (2021). Better Practices for Teaching Business Analytics". *OR/MS Today, INFORMS Members' Magazine.* (August 2021), Issue on Innovative Education, 38-43.

13. Biswas, A., Mukhopadhyay, A., Bhattacharjee, S., Kumar, A. and Delen, D. (2021). A Text-Mining Based Cyber-Risk Assessment and Mitigation Framework for Critical Analysis of Online Hacker Forums Decision Support Systems". *Decision Support Systems* (Forthcoming).

14. Zengul, F.D. and Delen, D. (2021). A Critical Analysis of COVID-19 Research Literature: Text Mining Approach. *Intelligence-Based Medicine* (Forthcoming).

15. Miao, Z., and Delen, D. (2021). Clustering Temporal Disease Networks to Assist Clinical Decision Support Systems in Visual Analytics of Comorbidity Progression. *Decision Support Systems* (Forthcoming).

16. Ramesh, N. and Delen, D. (2021). How to beat the 90% failure rate in Digital Transformations". *IEEE Engineering Management Review* (Forthcoming).

17. Topuz, K. and Delen, D. (2021). A Probabilistic Bayesian Inference Model to Investigate Injury Severity in Automobile Crashes. *Decision Support Systems* (Forthcoming).

18. Wang, R., Miao, Z., Liu, T., Liu, M., Grdinovac, K., Song, X., Liang, Y. Delen, D. and Paiva, W. (2021). Derivation and Validation of Essential Predictors and Risk Index for Early Detection of Diabetic Retinopathy Using Electronic Health Records. *Journal of Clinical Medicine* (10), 5, 1473-1485.

19. Kilic, H.S., Demirci, A.E. and Delen, D. (2020). An integrated decision analysis methodology based on IF-DEMATEL and IF-ELECTRE for personnel selection. *Decision Support Systems* (Forthcoming).

20. Eryarsoy, E., Delen, D., Davazdahemami, B. and Topuz, K. (2021). A Novel Diffusion-Based Model for Estimating Cases, and Fatalities in Epidemics: The Case of COVID-19 Journal of Business Research. *Journal of Business Research* (124), 1, 163-178.

21. Delen, D., Zolbanin, H.M., Crosby, D.H. and Wright, D. (2021). To Imprison or not to Imprison: An Analytics Model for Drug Courts. *Annals of Operations Research* (Forthcoming).

22. Lima, M.S.M., Eryarsoy, E. and Delen, D. (2020). Predicting and Explaining Pig Iron Production on Charcoal Blast Furnaces: A Machine Learning Approach. *INFORMS Journal on Applied Analytics* (Forthcoming).

23. Yazici, I., Beyca, O.F., Gurcan, O.F., Zaim, H., Delen, D. and Zaim, S. (2020). A Comparative Analysis of Machine Learning Techniques and Fuzzy Analytic Hierarchy Process to Determine the Tacit Knowledge Criteria. *Annals of Operations Research* (Forthcoming).

24. Delen, D., Eryarsoy, E. and Davazdahemami, B. (2020). No Place Like Home: A Cross-National Assessment of the Efficacy of Social Distancing during the COVID-19 Pandemic. *JMIR Public Health and Surveillance.* (6), 2, e19862.

25. Zengul, F.D., Delen, D., Lee, T.C., Almehmi, A., Ivankova, N.V., Mehta, T.C. and Topuz, K. (2020). Research Themes and Trends in Ten Top-ranked Nephrology Journals: A Text Mining Analysis. *American Journal of Nephrology.* (51), 2, 147-159.

26. Delen, D., Bayraktar, E., Sari, K., Tatoglu, E. and Zaim, S. (2020). Assessing the Supply Chain Performance: A Causal Analysis. *Annals of Operations Research.* (287), 1, 37-60.

27. Zolbanin, H.M., Davazdahemami, B., Delen, D. and Zadeh, A.H. (2020). Data Analytics for the Sustainable Use of Resources in Hospitals: Predicting the Length of Stay for Patients with Chronic Diseases. *Information & Management* (Forthcoming).

28. Delen, D., Topuz, T. and Eryarsoy, E. (2020). Development of a Bayesian Belief Network-based Decision Support System for Predicting and Understanding Freshmen Student Attrition. *European Journal of Operational Research.* (281), 3, 575-587.

29. Aydiner, A.S., Acar, M.F., Zaim, S. and Delen, D. (2020). Supply Chain Orientation, ERP Usage and Knowledge Management in Supply Chain. *Lecture Notes in Mechanical Engineering* (Forthcoming).

30. Delen, D., Moscato, G. and Toma, I.L. (2020). The impact of Business Analytics on the Behavior of Decision Makers. *International Journal of Data Science and Analysis* (Forthcoming).

31. Yasmin, M., Tatoglu, E., Kilic, H., Zaim, S. and Delen, D. (2020). Big Data Analytics Capabilities and Firm Performance: An Integrated MCDM Approach. *Journal of Business Research.* (114), 1-15.

32. Lima, M. S.M., Delen, D. (2019). Predicting and Explaining Corruption across Countries: A Machine Learning Approach. *Government Information Quarterly* (Forthcoming).

33. Delen, D., Kim, Y.-M., Kathuria, P. (2019). Discovering Opioid Users' Medical Comorbidities: A Data Mining Approach. *Journal of Substance Use* (Forthcoming).

34. Turan, H. H., Kasap, N., Delen, D., Savran, H. (2019). Volume discount strategies for the provider selection problem in telecommunications under uncertainty. *Journal of Intelligent & Fuzzy Systems* (Forthcoming).

35. Zolbanin, H. M., Delen, D., Crosby, D., Wright, D. (2019). A Predictive Analytics-Based Decision Support System for Drug Courts. *Information Systems Frontiers* 1-20 (Forthcoming).

36. Delen, D., Topuz, K., Eryarsoy, E. (2019). Development of a Bayesian Belief Network-based Decision Support System for Predicting and Understanding Freshmen Student Attrition. *European Journal of Operational Research* (Forthcoming).

37. Davazdahemami, B., Delen, D. (2019). Examining the Effect of Prescriptions Sequence on Developing Adverse Drug Reactions: The Case of Renal Failure in Diabetic Patients. *International Journal of Medical Informatics, 125,* 62-70.

38. Davazdahemami, B., Delen, D. (2019). The Confounding Role of Common Diabetes Medications in Developing Acute Renal Failure: a Data Mining Approach with Emphasis on Drug-Drug Interactions. *Expert Systems with Applications, 123, 168-177.*

39. Ramesh, N., Delen, D. (2019). Why do Enterprise Transformations Fail? Hint: It's not what you think. *Journal of Enterprise Transformation* (Forthcoming).

40. Zadeh, A. H., Zolbanin, H. M., Sharda, R., Delen, D. (2019). Social Media for Nowcasting Flu Activity: Spatio-Temporal Big Data Analysis. *Information Systems Frontiers* (Forthcoming).

41. Aydiner, A. S., Tatoglu, E., Bayraktar, E., Zaim, S., Delen, D. (2019). Business Analytics and Firm Performance: The Mediating Role of Business Process Performance. *Journal of Business Research 96,* 228-237.

42. Delen, D., Davazdahemami, B., Eryarsoy, E., Tomak, L., Valluru, A. (2019). Using Predictive Analytics to Identify Drug-Resistant Epilepsy Patients. *Health Informatics Journal* (Forthcoming).

43. Bagbaba, A., Sen, B., Delen, D., Uysal, B. S. (2018). An Automated Grading and Diagnosis System for Evaluation of Dry Eye Syndrome. *Journal of Medical Systems, 42*(11), 227-238.

44. Davazdahemami, B., Delen, D. (2018). A Chronological Pharmacovigilance Network Analytics Approach for Predicting Adverse Drug Events. *Journal of the American Medical Informatics Association (JAMIA), 25*(10), 1311-1321.

45. Reddy, B. K., Delen, D. (2018). Predicting Hospital Readmission for Lupus Patients: An RNN-LSTM-Based Deep-Learning Methodology. *Computers in Biology and Medicine, 101*(1), 199-209.

46. Cayir-Ervural, B., Zaim, S., Delen, D. (2018). A Two-Stage Analytical Approach to Assess Sustainable Energy Efficiency. *Energy, 164*(1), 822-836.

47. Kim, Y.-M., Kathuria, P., Delen, D. (2018). Machine learning to compare frequent medical problems of African American and Caucasian diabetic kidney patients. *Healthcare Informatics Research, 24*(3), 241-248.

48. Kim, Y.-M., Kathuria, P., Delen, D. (2018). Discovering Co-Occurring Medical Complications For Cocaine Users In African American Diabetic Kidney Patients: A Text Mining Method. *Biomedical Journal of Scientific & Technical Research, 9*(1), 1-7.

49. Delen, D., Zolbanin, H. M. (2018). The Analytics Paradigm in Business Research. *Journal of Business Research, 90*(1), 186-195.

50. Delen, D. & Ram, S. (2018). Research challenges and opportunities in business analytics. *Journal of Business Analytics. 1* (1), 2-13.

51. Ram, S. & Delen, D. (2018). Introduction to the inaugural issue of journal of business analytics. *Journal of Business Analytics. 1* (1), 1-2.

52. Zolbanin, H.M. & Delen, D. (2018). Processing Electronic Medical Records to Improve Predictive Analytics Outcomes for Hospital Readmissions. *Decision Support Systems*, 112, 98-110.

53. Delen, D. and Zolbanin, H.M. (2018), The Analytics Paradigm in Business Research. *Journal of Business Research, 90*, 186-195.

54. Delen, D., Cayir, B.N. & Evren, R. (2018). A Multi-Objective Decision-Making Approach for Sustainable Energy Investment Planning. *Renewable Energy*, *126*, 387-402.

55. Piri, S., Delen, D., Liu, T. & Paiva, W. (2018). Development of a New Metric to Identify Rare Patterns in Association Analysis: The Case of Analyzing Diabetes Complications. *Expert Systems with Applications, 94*, 112-125.

56. Zolbanin, H.M., Delen, D. & Sharma, K.S. (2018). The Strategic Value of Big Data Analytics in Health Care Policy-Making. *International Journal of E-Business Research.* 14 (3), 14-23.

57. Delen, D., Ozaydin, B., Zengul, F. & Oner, N. (2018). Text-Mining Analysis of mHealth Research. *mHealth.* (Forthcoming).

58. Kim, Y-M., Kathuria, P. & Delen, D. (2018). Discovering Diabetic Kidney Patients' Frequently Appearing Medical Problems Using a Machine Learning Technique: Comparing between African Americans and Caucasians. *Healthcare Informatics Research.* (Forthcoming).

59. Piri, S., Delen, D. & Liu, T. (2017). A Synthetic Informative Minority Over-Sampling (SIMO) Algorithm Leveraging Support Vector Machines to Enhance Learning from Imbalanced Datasets. *Decision Support Systems*, *106*, 15-29.

60. Konkayala, B., Delen, D. & Agrawal, R. (2017). Predicting and Explaining Inflammation in Crohn's Disease Patients Using Predictive Analytics Methods and EMR Data. *Health Informatics Journal*, *25*(4) 1201–1218.

61. Erraguntla, M., Delen, D., Agrawal, R., Madanagopal, K, & Mayer, R. (2017). Mobile-Based Sidewalk Inventory App for the Smart Communities, the Health, and the Safety. *Suburban Sustainability.* 5 (1), 3-15.

62. Tektas-Sivrikaya, B., Cebi, F., Turan, H., Kasap, N. & Delen, D. (2017). A Fuzzy Long-Term Investment Planning Model for a GenCo in a Hybrid Electricity Market Considering Climate Change Impacts. *Information Systems Frontiers.* 19 (5), 975-991.

63. Arda, O.A., Delen, D., Tatoglu, E. & Zaim, S. (2017). An Analytic Approach to Assessing Organizational Citizenship Behavior. *Decision Support Systems,* (Forthcoming).

64. Oztekin, A., Al-Ebbini, L., Sevkli, Z. & Delen, D. (2017). A Decision Analytic Approach to Predicting Quality of Life for Lung Transplant Recipients: A Hybrid Genetic Algorithms-based Methodology. *European Journal of Operational Research.* (Forthcoming).

65. Piri, S., Delen, D., Liu, T. & Zolbanin, H.M. (2017). A data analytics approach to building a clinical decision support system for diabetic retinopathy: Developing and deploying a model ensemble. *Decision Support Systems,* 101, 12-27.

66. Kuzey, C., Uyar, A. & Delen, D. (2017). An Investigation of the Factors Influencing Cost System Functionality Using Decision Trees, Support Vector Machines and Logistic Regression. *International Journal of Accounting and Information Management.* (Forthcoming).

67. Kim, Y-M. & Delen, D. (2017). A Critical Assessment of Health Disparities across Subpopulation Groups Through a Social Determinants of Health Perspective: The Case of Type 2 Diabetes Patients. *Informatics for Health and Social Care.* (Forthcoming).

68. Ervural, B.C., Zaim, S., Demirel, O.F., Aydin, Z. & Delen, D. (2017). An ANP and Fuzzy TOPSIS-based SWOT Analysis for Turkey's Energy Planning. *Renewable & Sustainable Energy Reviews.* (Forthcoming).

69. Delen, D., Acar, M.F., Tarim, M., Zaim, H. & Zaim, S. (2017). Knowledge Management and ERP: Complementary or Contradictory?. *International Journal of Information Management.* 37, 703–712.

70. Delen, D., Tokgoz, A., Bulkan, S., Zaim, S. & Torlak, G. (2017). Modeling Airline MRO Operations Using a Systems Dynamics Approach: A Case Study of Turkish Airlines. *Journal of Quality in Maintenance Engineering.* (Forthcoming).

71. Delen, D., Kasap, N., Tektas-Sivrikaya, B. & Turan, H. (2017). A Hybrid Heuristic Approach to Provider Selection and Task Allocation Problem in Telecommunications with Varying QoS Levels. *International Journal of Computational Intelligence Systems.* (Forthcoming).

72. Delen, D., Tomak, L., Eryarsoy, E. & Topuz, K (2017). Investigating Injury Severity Risk Factors in Automobile Crashes with Predictive Analytics and Sensitivity Analysis Methods. *Journal of Transport & Health.* (Forthcoming).

73. Kim, Y. & Delen, D. (2017). Medical Informatics Research Trend Analysis: A Text Mining Approach. *Health Informatics Journal.* (Forthcoming).

74. Peker, M., Sen, B. & Delen, D. (2016). A Novel Method for Automated Diagnosis of Epilepsy using Complex-Valued Classifiers. *IEEE Journal of Biomedical and Health Informatics.* 20 (1), 108-118.

75. Tektas-Sivrikaya, B., Cebi, F., Turan, H., Kasap, N. & Delen, D (2017). A Fuzzy Long-Term Investment Planning Model for a GenCo in a Hybrid Electricity Market Considering Climate Change Impacts. *Information Systems Frontiers.* (Forthcoming).

76. Delen, D.. (2016). Mandate for STEM Educators. *OR/MS Today* (INFORMS Publication). August (1), 40-43.

77. Kaya, H., Sen, B. & Delen, D. (2016). Supporting the diagnosis process and processes after treatment by using image segmentation and image simulation techniques: Keratoconus example. *Journal of the Faculty of Engineering and Architecture of Gazi University.* 31(3), 737-747.

78. Kasap, N., Turan, H., Savran, H., Tektas-Sivrikaya, B. & Delen, D. (2017) Provider Selection and Task Allocation in Telecommunications with QoS Degradation Policy. *Annals of Operations Research.* (Forthcoming).

79. Dincer, H., Hazioglu, U., Tatoglu, E. & Delen, D. (2016). A Fuzzy-Hybrid Analytic Model to Assess Investors' Perceptions for Industry Selection. *Decision Support Systems*, 86 (1), 24-34.

80. Turan, H., Kasap, N., Delen, D., Serarslan, M. (2016). Stochastic Capacity Acquisition and Allocation Model for Bandwidth Brokers under Fuzzy Volume Based Pricing Scheme, *International Journal of Computational Intelligence Systems, in press.*

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Presentations

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2. Delen, D. (2021). Visual Programming: Teaching for Business Analytics Best Practices INFORMS Annual Meeting, INFORMS, Anaheim, CA - October 26 2021.

3. Delen, D. (2021). HIT Spillovers and Sustained Cooperation, INFORMS Annual Meeting, INFROMS, Anaheim, CA - October 25 2021.

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5. Delen, D. (2021). KNIME Analytics Platform for Visual Data Science and Business Analytics Teaching, The 52nd ACM Technical Symposium on Computer Science Education (SIGSCE 2021), American Computing Machinery (ACM), Online by ACM - March 16 2021.

6. Delen, D. (2021). Keynote - Explicating Data Science with a Variety of Real-World Application Cases. Fifth International Workshop on Biomedical Informatics with Optimization and Machine Learning (BOOM) in Conjunction with 29th International Joint Conference on Artificial Intelligence (IJCAI). 29TH INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE, Yokohama, Japan - January 6, 2021.

7. Delen, D. (2021). Teaching Analytics with Ease: Introducing the KNIME Analytics Platform as a Visual Analytics Software Environment, PreICIS SIGDSA Worksop, AIS, Virtual - December 13, 2020.

8. Delen, D. (2020). The Journal of Business Analytics and Untangling the Term Confusion Over Business Analytics, The Eighth Global Supply Chain Management Conference, The University of Toledo, Toledo, Ohio - December 5 2020.

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17. Ayyalasomayajula, S., Srivastava, A., Delen, D. (2018). Patient - Demographic and Health Factors Influencing the Length of Stay in Hospital, INFORMS Annual Meeting. INFORMS, Phoenix, AZ. (November 7, 2018).

18. Topuz, K., Delen, D. (2018). Predicting and Understanding Freshmen Student Retention-Development of a Bayesian Belief Network-based DSS, INFORMS Annual Meeting. INFORMS, Phoenix, AZ. (November 7, 2018).

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31. Delen, D. (2017). Big Data Analytics: Implications in Academic Research and Teaching Invited Research Seminar, Istanbul Sehir University, Istanbul, Turkey - March 11, 2017.

32. Erraguntla, M. & Delen, D. (2017). Data Integration and Predictive Analysis System for Disease Prophylaxis Hawaii International Conference on System Sciences, HICSS, Hawaii - January 4, 2017.

33. Delen, D. (2016). Teaching Analytics Using Teradata University Network Resources INFORMS Annual Meeting, INFORMS, Nashville, TN - November 16, 2016.

34. Delen, D. (2016). Demystifying Big Data and Analytics with Real World Applications Keynote Presentation at the Global Joint Conference on Industrial Engineering and Its Application Areas, Istanbul Technical University and TUBITAK, Istanbul, Turkey - July 15, 2016.

35. Delen, D. (2015). Use of Analytics to Investigate Crash Related Risk Factors. Institute for Operations Research and Management Science (INFORMS) Annual Academic Conference, Philadelphia, PA (November 1-4, 2015).

36. Delen, D. (2015). Creating Knowledge with Big Data and Analytics. *Invited/Sponsored Keynote Speaker* at the 2015 Knowledge & Information Professional Association (KIPA) Annual Conference, Denton, Texas (March 6-7, 2015).

37. Delen, D., Gupta, B. (2014). SAS Visual Analytics - A Tutorial. *Sponsored Presentation/Workshop* at the Pre-ICIS SIGDSA Conference, Auckland, New Zealand – (December 14-17).

38. Delen, D. (2014). Current State-of-the-Art in Health Care Analytics: An Experiential Perspective, *Invited/Sponsored Keynote Speaker* at the 4th GLOBAL CONFERENCE ON HEALTHCARE SYSTEMS ENGINEERING (GCHSE), Istanbul Technical University and TUBITAK, Istanbul, Turkey – (August 7, 2014).

39. Peker, M., Sen, B., Delen, D. (2014). Classification of Parkinson's Disease Using Complex-Valued Neural Networks at the 4th GLOBAL CONFERENCE ON HEALTHCARE SYSTEMS ENGINEERING (GCHSE), Istanbul Technical University and TUBITAK, Istanbul, Turkey (August 7, 2014)

40. Delen, D., Kaya, H., Cavusoglu, A., Cakmak, H.B., Sen, B. (2014). Determining the Correct Diagnosis and Appropriate Treatment Method on Keratoconus: a 3D Decision Support Application at the 4th GLOBAL CONFERENCE ON HEALTHCARE SYSTEMS ENGINEERING (GCHSE), Istanbul Technical University and TUBITAK, Istanbul, Turkey (August 6, 2014).

41. Delen, D. (2013), An Analytic Approach to Understanding and Predicting Healthcare Coverage, International Conference on Informatics, Management, and Technology in Healthcare, European Federation for Medical Informatics, Athens, Greece. (July 7, 2013).

42. Delen, D., College of Information PhD Colloquium, An Analytical Approach to Student Retention Management, University of North Texas, Denton, TX. (March 21, 2013).

43. Delen, D., Thammasiri, D., Meesad, P. (2012). An Investigation of Imbalanced Data Distribution: The Case of Predicting Student Attrition, Decision Sciences Institute Annual Meeting, DSI, San Francisco, CA. (November 17, 2012).

44. Delen, D. (Presenter & Author), Hess, J. (Author Only), INFORMS (Institute for Operations Research and Management Science) Annual Meeting, Developing a Healthcare Cost Index Using Advanced Analytics, INFORMS, Phoenix, AZ. (October 14, 2012).

45. Delen, D., Special Session on Artificial Neural Networks and Intelligent Information Processing, Financial Success of Hollywood Movies: A Comparative Analysis of Machine Learning Methods, 9th International Conference on Informatics in Control, Automation and Robotics, Rome, Italy. (July 28, 2012).

46. Delen, D. (2011). Use of Data Mining Techniques in Analyses of Organ Transplantations Procedures Institute for Operations Research and Management Science (INFORMS) Annual Meeting, November 13-16, 2011, Charlotte, NC.

47. Delen, D. (2011). Predicting the Financial Success of Hollywood Movies with Advanced Analytics, *Invited/Sponsored Keynote Speaker* Analytics 2011 Conference Series (organized by SAS Institute), October 24-25, 2011, Grande Lakes Resort, Orlando, FL.

48. Delen, D. (2011). Real-world Knowledge Discovery with Data and Text Mining Invited Faculty Research Seminar, Sabanci University, Istanbul, Turkey – August 2, 2011.

49. Delen, D. (2011). Data Mining in Medicine *Invited/Sponsored Keynote Speaker* 2nd International Symposium on Computing in Science and Engineering (ISCSE 2011), Gediz University, Aydin, Kusadasi, Turkey - June 1-4, 2011.

50. Delen, D. (2011). Data Mining Demystified: Real-world Knowledge Discovery with Data and Text Mining *Invited Speaker* for the Faculty Research Excellence Series @ OSU Tulsa, OSU-Tulsa Library, Tulsa, OK - April 14, 2011.

51. Delen, D. (2011). Using Advanced Analytics for Better Student Retention 22nd Annual OSU Research Symposium, OSU-Tulsa and OSU-CHS, Tulsa, OK - February 25 2011.

52. Delen, D. (2010). Knowledge Discovery for Business Intelligence *Invited/Sponsored Speaker* at the Knowledge and Project Management Symposium, Tulsa, Oklahoma, August 4-5, 2010.

53. Delen, D. (2010). Using Data Mining Methods to Predict Freshmen Student Attrition INFORMS Conference, Austin; Texas, November 7-10, 2010.

54. Kong, J., D. Delen and A. Oztekin (2010). Data Mining Approach to Prognostic Analysis of Thoracic Transplantations INFORMS Conference, Austin, Texas; November 7-10, 2010.

55. Delen, D. (2010). Business Intelligence and Advanced Analytics for Real World Problems *Invited/Sponsored Keynote Speaker* at the International Symposium on Computing in Science & Engineering (ISCSE 2010), June3-5, Kusadasi, Aydin, Turkey.

56. Delen, D. (2009). Data Mining Techniques for Prediction of Box Office   Receipts *Invited/Sponsored Keynote Presentation* at the International Conference on Sensors, Security, Software and Intelligent Systems (ISSSIS 2009), January 8-10, 2009, Coimbatore Institute of Technology, Coimbatore, India.

57. Delen, D. and R. Sharda (2008). Predicting the Financial Success of Hollywood Movies Using an Information Fusion Approach at the 28th Annual Conference on Operations Research and Industrial Engineering, June 30 – July 2, Istanbul, Turkey.

58. Delen, D. (2008). Real-world Knowledge Discovery with Data and Text Mining *Invited/Sponsored Keynote Speech* at the Computing and Information Technology Conference, at Maha Sarakarm Province, Thailand, on May 23-25, 2008.

59. Fuller, C.M., D. Biros and D. Delen (2008). Exploration of Feature Selection and Advanced Classification Models for High-Stakes Deception Detection at the 41st Annual Hawaii International Conference on System Sciences (HICSS), January 2008, Big Island, HI.

60. Delen, D. (2007). Knowledge Discovery with Data and Text Mining *Invited/Sponsored Speaker* at the Knowledge and Process Management Symposium, Tulsa, Oklahoma, October 3-4, 2007.

61. Delen, D. (2007). Analysis of Research Literature with Text Mining as a *Invited/Sponsored Speaker* at the SAS Institute's Data Mining Conference (M2007), in Las Vegas, NV. October 1-3, 2007. This was an invited talk.

62. Sharda, R. and D. Delen (2007). Forecasting the Financial Success of Movies using Data Mining Techniques, at the SAS Institute's Data Mining Conference (M2007), in Las Vegas, NV. October 1-3, 2007.

63. Sharda, R. and D. Delen (2007). Using Neural Networks to Forecast Box-Office Success America's Conference on Information Systems (AMCIS), Keystone, Colorado. August 2007.

64. Delen, D. and N. Patil (2006). Knowledge Extraction from Prostate Cancer Data 39th Annual Hawaii International Conference on System Sciences (HICSS), Kauai, HI, January 2006.

65. Kletke, M., D. Delen,Quality in Very Large, Multiple-Source, Secondary Datasets for Data Mining Applications the America's Conference on Information Systems (AMCIS), Omaha, Nebraska, August 2005.

66. Delen, D., A Structured View to Manufacturing Systems Modeling: An IDEFØ Perspective the 35th International Conference on Computers and Industrial Engineering, Istanbul, Turkey, June 2005.

67. Delen, D., Knowledge Discovery with Data Mining **Invited Keynote Speaker** at the Workshop on Knowledge Management Implementation and Technology, Society of Knowledge Management, Tulsa, Oklahoma, February 9th, 2005.

68. Kletke, M., D. Delen and Jin-hwa Kim, An Approach to Improve Classification Accuracy in Very Large Datasets the America's Conference on Information Systems (AMCIS), New York, NY, August 2004.

69. Delen, D. and Ramesh Sharda, Movie Forecast Guru, at the Data Mining Workshop, Tulsa, Oklahoma, February 2004.

70. Delen, D. and D. Pratt, IDSS-MS: An Intelligent DSS for Manufacturing Systems Managers, the Pre-ICIS Workshop on Decision Support Systems, at ICIS Conference, Seattle, WA, 2003.

71. Delen D., M. Erraguntla and P. Benjamin, Agent-based Planning, Monitoring, and Re-planning System 6th International Conference on Business Information Systems, Colorado Springs, CO, June 4-6, 2003.

72. Delen, D. and S. Ramachandran, Intelligent Knowledge Discovery from Military Health Systems INFORMS International Conference, Istanbul, Turkey, July 6-10, 2003.

73. Delen, D., M. Gordon and M. Paprzycki, Content manipulation in an Internet-based Travel Support System INFORMS International Conference, Istanbul, Turkey, July 6-10, 2003.

74. Delen, D., P. Benjamin, A. Lo, M. Painter, and M. Graul, A Critical Parts Dashboard (CPD) International Conference on Artificial Intelligence, Las Vegas, NV, June 25-28, 2001.

75. Delen, D., P. Benjamin, S. Ramachandran, and M. Erraguntla, Towards a Knowledge Discovery Wizard (KDW) International Conference on Artificial Intelligence, Las Vegas, NV, June 26-29, 2000.

76. Delen, D., P. Benjamin, An Enterprise Modeling and Analysis Toolkit, in the 2000 Winter Simulation Conference, Orlando, FL, December 2000.

77. Delen, D., P. Benjamin, and M. Erraguntla, An Integrated Toolkit for Enterprise Modeling and Analysis, in the 1999 Winter Simulation Conference, Phoenix, AZ, December 1999.

78. D. Delen, Benjamin, P., M. Erraguntla, T. O'Brien, S. Ramachandran, An Intelligent Assistant for Optimization Modeling, in the Industrial Engineering Research Conference, Phoenix, AZ, May 1999.

79. Delen, D., P. Benjamin, and M. Erraguntla, Integrated Modeling and Analysis Generator Environment (IMAGE): A Decision Support Tool, in the 1998 Winter Simulation Conference, Washington, D.C., December 1998.

80. Benjamin, P., D. Delen, and M. Erraguntla, A Tutorial on ProSim: A Knowledge-Based Simulation Model Design Tool, in the 1998 Winter Simulation Conference, Washington, D.C., December 1998.

81. Delen, D. D. Pratt, and M. Kamath, Enabling Multi-Use, Multi-Tool Models of Manufacturing Systems through an Experimental Frame Expert System, The 6th Annual Industrial Engineering Research Conference, Miami, FL, May 1997.

82. Delen, D., D. Pratt, and M. Kamath, A New Paradigm for Manufacturing Enterprise Modeling: Reusable, Multi-Tool Modeling, The 1996 Winter Simulation Conference, San Diego, CA, December 1996.

83. Delen, D., D. Pratt, and M. Kamath, A New Paradigm for Modeling of Complex Manufacturing Systems, The First International Conference on Intelligent Manufacturing Systems, Adapazari, Turkey, May 1996.

84. Delen, D. & D. Pratt, An Advanced Modeling Environment to Support Rapid Analysis and Reconfiguration of Complex Manufacturing Systems, Seventh Annual Graduate Student Research Symposium, OSU, Stillwater, Oklahoma, March 1996.

85. Delen, D. & D. Pratt, Role of Expert Systems in an Advanced Modeling Environment for Manufacturing Systems, INFORMS Fall Conference, New Orleans, Louisiana, December 1995.

86. Delen, D. & D. Pratt, Potential Role of Expert Systems in Modeling of Manufacturing Systems, Sixth Annual Graduate Student Research Symposium, OSU, Stillwater, Oklahoma, March 1995.

Grants, Funding and Sponsored Research

Delen, D., Predicting Chronic Pain Development for Preventing Opioid Abuse, Sponsored by NIH / Oklahoma Shared Clinical and Translational Resources, Federal, $74,000.00. (May 1, 2019 - Present).

Delen, Dursun (concept proposer and co-Founder), **Center for Health Systems Innovation**— Established with a $6M endowment from Mr. Neal Patterson, CEO/President of Cerner (now a **20 Million dollars** endowment with the matchings funds from Mr. Boone Pickens and the State of Oklahoma) (2013-Present).

Delen, Dursun (Principal), IBM SPSS Modeler Software Grant, Sponsored by IBM, Private, $80,000.00. (December 10, 2010 - Present).

Delen, Dursun (Principal), Simio Simulation Software Grant, Sponsored by Simio LLC, Private, $164,000.00. (February 25, 2010 - February 24, 2012) – Regularly/annually renewed.

Delen, Dursun (Principal), Enterprise Modeling Software Grant, Sponsored by Knowledge Based Systems, Inc., Private, $27,000.00. (August 15, 2002 - December 31, 2011).

Delen, Dursun (Co-Principal), Sharda, Ramesh, Development of a Decision Support System for the Movie Industry, Sponsored by the Technology Business Development Program, Oklahoma State University - Stillwater, $5,000.00. (November 1, 2010 - May 10, 2011).

Sharda, Ramesh (Co-Principal), Biros, David (Co-Principal), Delen, Dursun (Co-Principal), Development of a DAC Expertise Transfer System Using Knowledge Harvesting, Sponsored by Defense Ammunitions Center, Federal, $2,500,000. (April 2007 - July 2008).

Delen, Dursun (Co-Principal), Presidential Challenge Grant, Sponsored by Oklahoma State University President's Office, Oklahoma State University - Stillwater, $75,000. (July 1, 2003 - July 1, 2006).

Delen, Dursun (Principal), Domain Leader for Collaborative Research Grant, Sponsored by Center of Excellence in Information Technology & Telecommunications, State, $15,000. (January 1, 2004 - August 30, 2004).

TEACHING

Teaching Experience

Oklahoma State University – Stillwater

MSIS 6333 – Overview of MSIS Research (PhD Seminar)

MSIS 3223 – Principles of Data Analytics

MSIS 4263 – Business Intelligence and Predictive Analytics

MSIS 6300 – Business Analytics for Managers (Executive PhD)

MSIS 6633 – Predictive Analytics Technologies (Executive PhD)

MSIS 5900 – SAS Visual Analytics

BADM 6300 – Business Analytics (Executive PhD)

MSIS 3223 – Operations Analytics

MSIS 5123 – Enterprise Resource Planning

MSIS 5600 – Special Projects in Business Information Systems

MSIS 5633 – Business Intelligence Tools and Techniques

MSIS 5653 – Advanced Systems Development

MSIS 5313 – Production and Operations Management (for MBA)

MSIS 4263 – Applied Artificial Intelligence

MSIS 4363 – Advanced Topics in Systems Development

Non-Credit/Professional Instruction

Executive PhD Program Instructor, Teaching and Advising/Chairing Student Dissertations, Spears School of Business, Oklahoma State University (January 2010 – Present)

CEPD of SSB, Education for Business Analytics at ISNetworld, Inc. (April 2014 - Present).

Management/Executive Development, Sabanci University - Business Intelligence for Managers, (July 1, 2013 - August 7, 2013).

Management/Executive Development, CEPD - Prescriptive Analytics with Optimization and Simulation, (May 22, 2012).

Management/Executive Development, CEPD - Text and Web Mining, (May 15, 2012).

Management/Executive Development, CEPD - Real-World Knowledge Discovery with Data Mining, (May 8, 2012).

OPIM 301 = Operations Management
(Operations and Information Management Program)
Taught during summer visit at Sabanci University
(July 1, 2011 – August 19, 2011)

OPIM 401 – Business Intelligence and Decision Support Systems
(Operations and Information Management Program)
Taught during sabbatical at Sabanci University
(September 15, 2009 - January 18, 2010).

OPIM 591- Special Topics in Operations Management (MBA)
(Master in Business Administration Program)
Taught during the sabbatical at Sabanci University.
(September 15, 2009 - November 25, 2009).

Development Activities

TopHat Class Management and Engagement System Certification (February 25, 2020)

Certified for SAS Visual Analytics (October 23, 2013).

Certified for SAS Analytics (October 20, 2013).

Continuing Education, Preparing Online Instructors, Oklahoma State University, Online. (August 15, 2009 - December 3, 2009).

Workshop, Teaching Effectiveness Training Program, Oklahoma State University, Stillwater, Oklahoma. (August 10, 2002 - December 6, 2002).

Certified for SAS Enterprise Miner (the prominent data mining software in the industry). (July 5 2007)

Certified by the Teaching Effectiveness Training Program at Oklahoma State University, Oklahoma State University. (May 5, 1996).

Directed Student Learning

Dissertation Advisor/Chair
Advisee: Mostafa Amini (2019 – Present)

Dissertation Advisor/Chair
Advisee: Surya Bhaskar Ayyalasomayajula (2018 – Present)

Dissertation Advisor/Chair
Advisee: Ankita Srivastava (2018 – Present)

Dissertation Advisor/Chair
Advisee: Alfredo Perez Salinas (2018 – Present)

Dissertation Advisor/Chair
Advisee: Nagesh Ramesh (2017 – 2019)

Dissertation Advisor/Chair
Marcio Salles Melo Lima (2017 – 2019)

Dissertation Advisor/Chair
Advisee: Jonathan Wild (2017 – 2019)

Dissertation Advisor/Chair
Advisee: Behrooz Emami (2016 – 2019)

Dissertation Advisor/Chair
Advisee: Bhargav Konkayala (2015 – 2018)

Dissertation Advisor/Chair
Advised: Hamed Majidi Zolbanin (2014 – 2016)

Dissertation Advisor/Chair
Advised: Rupesh Agrawal (2016 - 2019)

Dissertation Advisor/Chair
Advised: Derrick Davis (2014 – 2018)

Dissertation Committee co-Chair.
Advised: Akash Gupta at Department of IEM (2015 – 2018)

Dissertation Committee co-Chair.
Advised: Saeed Piri at Department of IEM (2015 – 2018)

Master's Thesis co-Chair
Vedika Dengada at Department of IEM (graduated June 2015)

Dissertation Committee co-Chair.
Advised: Asil Oztekin at Department of IEM (graduated in December 2010)

Dissertation Committee Member, center for health Sciences, Biomedicine.
Advised: Rahim Swani

Dissertation Committee Member, Management Science and Information Systems.
Advised: Christie Fuller

Dissertation Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Daniel Navaresse

Dissertation Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Karthik Ayodhiramanujan

Dissertation Committee Member.
Advised: Mohammad Saad Al-Ahmadi

Dissertation Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Yen-Ping Leow

Master's Thesis Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Brent Doeksen

Master's Thesis Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Guoping Mia

Master's Thesis Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: His-Yue Hsiao

Master's Thesis Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Patrick Norris

Master's Thesis Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Ruiyuan Guo

Master's Thesis Committee Member, Other (Within Oklahoma State University - Stillwater).
Advised: Thomas Dalimonte

Dissertation Committee Member, The evaluation of RFID for improving job-shop scheduling in manufacturing, Management Science and Information Systems. (August 20, 2009 - 2012).
Advised: Jong Chongwatpol

Directed Individual/Independent Study, Ensemble of prediction models for better performance, Management Science and Information Systems. (August 18, 2003 - December 15, 2003).

SERVICE

Editorial and Review Activities

Editor-in-Chief, International Journal of Research in Business and Social Science (2021 – Present).

Editor-in-Chief, Journal of Business Analytics (January 2018 – Present)

Editor-in-Chief, AI in Business (Frontiers in Artificial Intelligence) (August 2018 – Present)

Area Editor (Big Data and Business Analytics), Journal of Business Research (May 2016 – Present)

Senior Editor, Decision Sciences (November 2014 - Present)

Senior Editor, Decision Support Systems (October 2013 - Present)

International Advisory Board Member, International Journal of Research in Business and Social Science (January 1, 2016 – Present).

Associate Editor, International Journal of RF Technologies: Research and Applications (IJRFT). (September 3, 2008 - Present).

Associate Editor, Journal of Decision Analytics (August 2012 – Present)

Editorial Board Member, Journal of Big Data (June 2013 - Present).

Editorial Board Member, Journal of Emerging Technologies in Web Intelligence. (February 22, 2009 - Present).

Editorial Board Member, International Journal of Information Technologies and Systems Approach (IJITSA). (December 1, 2010 - Present).

Editorial Board Member, International Journal of Service Sciences (IJSS). (August 20, 2008 - Present).

Editorial Board Member, International Journal of Intelligent Information Technologies. (February 15, 2005 - Present).

Editorial Board Member, Journal of Information and Knowledge Management (JIKM). (February 15, 2005 - Present).

Editorial Board Member, Journal of Service Business (JSB) (March 2008 – Present).

Special Issue Editor, Expert Systems with Applications (ESWA), Elsevier. (February 2, 2010 - April 30, 2011).

Special Issue Editor, Decision Support Systems (DSS), Elsevier. (March 1, 2010 - January 31, 2011).

Special Issue Editor, Decision Sciences DSI (March 1, 2017 – December 10, 2018).

General Service

Oklahoma State University

Freshmen Student Retention Project (using large and feature rich OSU freshmen student data from the past years along with advanced analytics tools/techniques to identify at risk students, assess reasoning behind the attrition and develop intervention plans to potentially improve freshmen student retention retention).

Donor Management Process Modeling for OSU Foundation (using enterprise modeling methods to capture and graphically represent donor management processes at OSU Foundation in order to better understand and potentially improve the process efficiency).

Donor Retention Project for OSU Foundation (developing and applying analytics models to existing donor database to predict donor relapse, assess common characteristics of such subpopulation, and develop engagement plans to prevent relapses.)

Health Analytics Graduate Certification Program Director.

Food, Energy, Water (FEW) Nexus (Research Council Member).

Consolidation of Health Programs at OSU (Advisory Council Member)

Spears School of Business

Faculty Council Representative.

Impact Journal Assessment and Evaluation Committee, Member.

Committee Member, Dean Search Committee, Member.

Interdisciplinary Research Collaboration Committee, Member.

Department of MSIS

Committee Chair, Faculty Search Committee.

Committee Member, Faculty Search Committee.

Committee Member, Ph.D. Advisory Board, Member. (November 21, 2010 – July 30, 2015).

Workshop Organizer, Workshop on Data Mining Research in Oklahoma, OSU-Tulsa. (February 2004).

Special Institutional Assignment, Institute for International Studies, Member. (October 1, 2009 - Present).

Student Organizations

Faculty Advisor (Non-Professional Org), **Phi Beta Lambda (PBL)**. Business Student Organization (March 1, 2009 - Present). [PBL has been one of the most active and well-recognized student association, receiving several state and national level awards and merits].

State of Oklahoma

Committee Member, State of Oklahoma Environmental Health Tracking System Advisory Council, Member. (2004 - 2012).

Professional

Track Chair, Big Data, Business Analytics and Decision Support at ECIS 2016 (European Conference on Information Systems) (June 12-15, 2016 in Istanbul, Turkey).

Committee Chair, AMCIS 2009 Publicity and Marketing Chair.

OSU-Tulsa Registered Company Coordinator, Project Management Institute at Tulsa (PMIT). (August 8, 2010 - Present).

Conference Program Organizer, Business Intelligence Congress, Org. Committee Member. (November 14, 2009 - Present).

Conference Track Organizer, Real-world Text Mining Application Session at The SAS Data Mining Conference (M2007). (August 8-10, 2007).

Conference Track Organizer, Knowledge Discovery for Managerial Decision Support at HICSS Conferences. (2006 - Present).

Conference Track Organizer, Data and Text Mining for Managerial Decision Support at AMCIS Conferences. (August 2005 - 2014).

Committee Member, Program Committee of the International Conference on Knowledge Management, Member. (2004 - Present).

Committee Member, Program Committee of the International Conference on Advances in Information Research, Member. (2002 - Present).

Committee Member, 2nd International Workshop on Medical Informatics and Engineering, Member. (May 10, 2010 - October 20, 2010).

Committee Member, Knowledge and Project Management Symposium, Member. (October 5, 2009 - August 4, 2010).

Committee Member, International Symposium on Computing in Science and Engineering, Scientific Committee Member. (January 3, 2010 - June 6, 2010).

Conference Chair/co-Chair, International Conference on Network Computing and Advanced Information Management. (September 5, 2007 - September 2, 2008).

Committee Member, 2nd Annual Symposium on Knowledge and Project Management, Member. (August 18, 2008 - August 19, 2008).

Conference Session Chair, Data Mining in Medicine at INFORMS (November 2005).

Conference Track Organizer, Intelligent Agent Systems: Theory, Design and Implementation track, at the 16th and the 17th International Florida Artificial Intelligence Research Society (FLAIRS) Conferences. (2004).

Conference Track Organizer, Software Agents track at the International Conferences on Business Information Systems. (2003 - 2004).

Public/Community

Program Coordinator (advisory board member), Oklahoma Distance Learning Association - Elected Member. (January 5, 2009 - 2013).

PROFESSIONAL MEMBERSHIPS

Academic Associations

Production and Operations Management Society (February 2018 – Present)

Operations Research Society (January 2018 – Present)

Decision Sciences Institute (August 2005 – Present)

Association for Information Systems (AIS) & the SIGDSS. (January 10, 2002 - Present).

Institute for Operations Research and Management Science. (September 1, 2001 - Present).

Institute for Industrial Engineers. (February 1, 1993 – December 2002).