ROBERT F. DELL
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POSITIONS AND EDUCATION

2022-	Professor of Industrial and Systems Engineering, University at Buffalo (UB)
2007-2022	Professor of Operations Research, Naval Postgraduate School (NPS)
2018-2022	Executive Director NPS Data Science and Analytics Group
2019-2022	Dean of the NPS Graduate School of Operational and Information Sciences (excluding time as Acting Provost, March 2020 to February 2021)
2020-2021	Acting NPS Provost and Academic Dean
2009-2015	Professor and Chairman of Operation Research, NPS
2007-2008	Visiting Professor, Industrial Engineering Department, University of Chile
1996-2007	Associate Professor of Operation Research, NPS
1990-1996	Assistant Professor of Operation Research, NPS
1990	Ph.D., State University of New York (SUNY) at Buffalo, Department of Industrial Engineering
1989	M.S., SUNY at Buffalo, Department of Industrial Engineering
1986	B.S., SUNY at Buffalo, Department of Industrial Engineering

SELECT HONORS AND AWARDS

2021 - Brazilian Order of Naval Merit (Ordem do Mérito Naval)

2020 - Military Operations Research Society Vance R. Wanner Memorial Award

2014 - Institute for Operations Research and the Management Sciences Koopman Prize

2014 - Brazilian Navy Tamandaré Merit Medal (Médalha Mérito Tamandaré)

2013 - Institute for Operations Research and the Management Sciences Smith Prize (OR Department Award)

2011 - Department of the Army Dr. Wilbur B. Payne Memorial Award for Excellence in Analysis

2011 - Department of the Navy Superior Civilian Service Award

2008 - Military Operations Research Society David Rist Prize

2007 - Military Operations Research Society Richard H. Barchi Prize

2006 - Richard W. Hamming Excellence in Teaching Award

2006 - Department of the Navy Superior Civilian Service Award

2005 - Department of the Army Dr. Wilbur B. Payne Memorial Award for Excellence in Analysis

2004 - The Wayne E. Meyer Award for Teaching Excellence in Systems Engineering

PUBLICATIONS

PAPERS

1. Peschiera, F., R.F. Dell, J. Royset, A. Hait, N. Dupin, and O. Battaia "A novel solution approach with ML-based pseudo-cuts for the Flight and Maintenance Planning problem," *OR Spectrum,* 43, 2021, pp. 635–664.

2. Vural, D., R.F. Dell, and E. Kose, "Locating unmanned aircraft systems for multiple missions under different weather conditions," *Operational Research,* January 2019, pp.1-20.

3. Yakici, E., R.F. Dell, T. Hartman, and C. McLemore, "Daily aircraft routing for amphibious ready groups," *Annals of Operations Research*, 264(1-2), 2018, pp. 477-498.

4. Marlow, D.O. and R.F. Dell, "Optimal short-term military aircraft fleet planning," *Journal of Applied Operational Research,* 9(1), 2017, pp. 38-53.

5. Miller, M.R., R.J. Alexander, V.A. Arbige, R.F. Dell, S.R. Kremer, B.P. McClune, J.E. Oppenlander, J.P. Tomlin "Optimal Allocation of Students to Naval Nuclear-Power Training Units," *Interfaces*, 47(4), 2017, pp. 320-335.

6. Brown, G., DeGrange, W., Dell, R., and Fricker, R., 2015, "ASP, Art and Science of Practice: Educating Military Operations Research Practitioners," *Interfaces,* 45(2), pp. 175-186.

7. Brown, G.G., Carlyle, W.M., Dell, R.F., Brau, J.W., "Optimizing Intratheater Military Airlift in Iraq and Afghanistan," *Military Operations Research*, 18(3), 2013, pp. 35-52.

8. Roman, P., R. Dell, J. Velasquez, and P. Loyola, "Identifying User Sessions from Web Server Logs with Integer Programming," *Intelligent Data Analysis,* 18(1), 2014, pp. 43-61.

9. Araya, F., R. Dell, P. Donoso, V. Marianov, F. Martinez, and A. Weintraub, "Optimizing Location and Size of Rural Schools in Chile," *International Transactions in Operational Research*, 19, 2012, pp. 695-710. (IFORS prize finalist).

10. Roman, P.E., Dell, R.F., and J.D. Velasquez, "Advanced Techniques in Web Data Preprocessing and Cleaning" Chapter 2 from *Advanced Techniques in Web Intelligence – 1*, published by Springer, Berlin, Edited by Velasquez and Jain, 2010.

11. Dell, R.F., R.O. Royset, and I. Zyngirdis, "Optimizing Container Movement using One and Two Automated Stacking Cranes," *Journal of Industrial and Management Optimization*, Vol. 5, 2009, pp. 285-302.

12. Dell, R.F., P.E. Roman, and J.D. Velasquez, "Web User Session Reconstruction with Back Button Browsing," appearing in *Knowledge-Based and Intelligent Information and Engineering Systems*, Springer, Berlin 2009, pp 326-332.

13. Dell, R.F., P.L. Ewing, and W.J. Tarantino, "Optimally Stationing Army Forces," *Interfaces*, 38(6), 2008, pp. 421-435.

14. Martins, G.H.A. and R.F. Dell, "Solving the Pallet Loading Problem," *European Journal of Operational Research*, 184, 2008, pp. 429-440.

15. Martins, G.H.A. and R.F. Dell, "The Minimum Size Instance of a Pallet Loading Problem Equivalence Class," *European Journal of Operational Research*, 179, 2007, pp. 17-26.

16. Brown, G., and R. Dell, "Formulating Linear and Integer Linear Programs: A Rogues' Gallery," *INFORMS Transactions on Education,* 7, 2007, pp. 153-159.

17. Brown, G.G., Dell, R.F., Loerch, A., Newman, A.M., "Analysis Support for Acquisition: Part II Optimizing Capital Planning," Chapter 7 from Methods for Conducting Military Operational Analysis, published by Military Operations Research Society, edited by A.G. Loerch and L.B. Rainey, 2007.

18. Brown, G.G., Dell, R.F., and Newman, A.M., "Optimizing Military Capital Planning," *Interfaces*, 34(6), 2004, pp. 415-425.

19. Brown, G.G., Dell, R.F., Holtz, H., and Newman, A.M., "How the U.S. Air Force Space Command Optimizes Long-Term Investment in Space Systems," *Interfaces*, 33(4), 2003, pp. 1-14.

20. Brown, G.G., Dell, R.F., Davis, R.L., and Duff, R.H., "Optimizing Plant-line Schedules and an Application at Hidden Valley Manufacturing Company,"*Interfaces*, 32(3), 2002, pp. 1-14.

21. Brown, G.G., Dell, R.F., and Olson, M.P., "Valid Integer Polytope (VIP) Penalties for Branch-and-Bound Enumeration," *Operations Research Letters*, 26, 2000, pp. 117-126.

22. Dell, R.F., "Optimizing Army Base Realignment and Closure," *Interfaces,* 28, 1998, pp. 1-18.

23. Brown, G.G., Dell, R.F., and Wood, R.K., "Optimization and Persistence," *Interfaces*, 27, 1997, pp. 15-37.

24. Dell, R.F., Eagle, J.N., Martins, G.H.A., and Santos, A.G., "Using Multiple Searchers in Constrained-Path, Moving-Target Search Problems," *Naval Research Logistics*, 43, 1996, pp. 463-480.

25. Brown, G.G., Dell, R.F., and Farmer, R.A., "Scheduling Coast Guard District Cutters," *Interfaces*, 26 (1996) pp. 59-72.

26. Dell, R.F., Batta, R., and Karwan, M.H., "The Multiple Vehicle TSP with Time Windows and Equity Constraints Over a Multiple Day Horizon," *Transportation Science*, 30, 1996, pp. 120-133.

27. Dell, R.F., Rosenthal, R.E., and Baig, S., "Scheduling Peacetime Rotation of Pakistan Army Units," *Naval Research Logistics*, 42, 1995, pp. 1-13.

28. Bailey, M.P., Dell, R.F., and Glazebrook, K.D., "Simulation-based Dynamic Optimization: Planning United States Coast Guard Law Enforcement Patrols," *Proceedings of the 1994 Winter Simulation Conference*, eds. Tew, J.D, Manivannan, S., Sadowski, D.A., and Seila., A.F., 1994, pp. 392-398.

29. Dell, R.F., Kemple, W.G., and Tovey, C.A., "Heuristically Solving the Stratigraphic Correlation Problem," *First Industrial Engineering Research Conference Proceedings*, 1992, pp. 293-297.

30. Dell, R.F. and Karwan, M.H., "An Interactive MCDM Weight Space Reduction Method Utilizing a Tchebycheff Utility Function," *Naval Research Logistics*, 37, 1990, pp. 263-277.

OTHER PUBLICATIONS

31. Alderson, D., Brown, G., Dell, R., Witwer, T., 2017, "Studies of the Fuel Supply Chain in the Pacific Area of Responsibility (U)," NPS Technical Report NPS-OR-17-003R, October.

32. Wood, R.K. and R.F. Dell, editors, "Operations Research, Computing, and Homeland Defense," book published by INFORMS, Hanover, MD 2011.

33. Dell, R.F., P.E. Roman, and J.D. Velasquez, "Web User Session Reconstruction Using Integer Programming," proceedings of the 2008 IEEE/WIC/ACM International Conference on Web Intelligence.

34. Dell, R.F., P.E. Roman, and J.D. Velasquez, "Identificacion de las sesiones de un usuario web usando un enfoque de optimización discreta," proceedings of XIV Congreso Latino-Iberoamericano de Investigación Operativa.

35. Trainor, T., Lehmkuhl, L., Dell, R., Huo, C., and Wallshein, C., "MORS Special Meeting: Analyzing the Value of Infrastructure," PHALANX, 40, No. 1, March 2007.

36. Ewing, L., Tarantino, W., Dell, R., and Parnell, G., "Army BRAC 2005: Analysis Transformation," PHALANX, 39, No. 2, June 2006.

37. Brown, G., Dell, R. and Newman, A., "Optimization-Based Military Capital Planning," Technical Report NPS-OR-04-002, Naval Postgraduate School, Monterey, CA, October 2004.

38. Dell, R.F. and Tarantino,William J., "How Optimization Supports Army Base Closure and Realignment," Project Report, NPS-OR-03-003-PR, Naval Postgraduate School, Monterey, CA, April 2003.

39. Salmeron, J., Brown, G.G., Dell, R.F., and Rowe, A., "Capital Investment Planning Aid (CIPA)," Technical Report, NPS-OR-02-006, Naval Postgraduate School, Monterey, CA, September 2002.

40. Connors, G., R. Dell, and W. Tarantino, 2001, "Optimal Stationing of Army Forces Model (OSAF)," Final Report, CAA-R-01-42, Center for Army Analysis, Ft Belvoir, VA.

41. Newman, A.M., Brown, G.G., Dell, R.F., Giddings, and Rosenthal, R.E., "An Integer-Linear program to Plan Procurement and Deployment of Space and Missile Assets," Technical Report, NPS-OR-00-005, Naval Postgraduate School, Monterey, CA, April 2000.

42. Kerman, Brown, G.G., and Dell, R.F., "Optimally Reorganizing Navy Shore Infrastructure," Technical Report, NPS-OR-98-006, Naval Postgraduate School, Monterey, CA, August 1998.

43. Dell, R.F., Fletcher, Parry, and Rosenthal, R.E., "Modeling Army Maneuver and Training Base Realignment and Closure," Technical Report, NPS-OR-94-002, Naval Postgraduate School, Monterey, CA, January 1994.

44. Dell, R.F., Rosenthal, R. E., and Baig, "Scheduling Peacetime Rotation of Pakistan Army Units," Technical Report, NPS-OR-93-023, Naval Postgraduate School, Monterey, CA, November 1993.

45. Dell, R.F., Kunzman, and Bulfin, "Determining Optimal Instructor Levels at the Defense Language Institute," Technical Report, NPS-OR-93-022, Naval Postgraduate School, Monterey, CA, December 1993.

SELECTED PRESENTATIONS

1. Dell, R.F., Carlyle, W., Davis, B., and Whitlow, J., 90th Military Operations Research Society Symposium, "Dynamic Airlift Planning in a Contested Environment," Quantico, VA (June 2022).

2. Dell, R.F., Plenary for 2020 INFORMS Security Conference, "Advanced Analytics for National Security in the Age of Cloud Computing," Monterey, CA. (February 2020).

3. Dell, R.F., Australian Society for Operations Research and Australian Defence Operations Research Symposium, "Integer Linear Programming in the Age of Cloud Computing," Melbourne, Australia. (December 2018).

4. Dell, R.F. and Guthrie, K., XIX CLAIO, Latin-Iberoamerican Conference on Operations Research, "Implementing and Bounding a Cascade Heuristic for Integer Linear Programs," Lima, Peru. (September 2018).

5. Dell, R.F., Syle, R., 29th European conference on Operational Research, "Optimizing Naval Fight Event Schedules at Training Ranges," Valencia, Spain. (July 2018).

6. Fields, E. and Dell, R.F., 86th Military Operations Research Society Symposium, "Optimally allocating Naval surface assets in times of crisis (U)," Monterey, CA (June 2018).

7. Rice, N., Dell, R.F., and Salmeron, J., Military of Operations Research Symposium, "Optimizing Marine Corps Secondary Reparable Maintenance," MOR Society, NPS, Monterey, CA (June 2018).

8. Marlow, D., and R. Dell, "Developing an optimal multi-year plan for a fleet of military aircraft," 85th Military Operations Research Society Symposium, West Point, NY, 19-22 June 2017.

9. Dell R., E. Rotklein, R. Alexander, V. Arbige, S. Kremer, B. McClune, M. Miller, and J. Oppenlander, "Optimizing Student Schedules at U.S. Navy Nuclear Power Training Units," 84th Military Operations Research Society Symposium, Quantico, VA, 20-24 June 2016.

10. Dell, R., "Plenary: Optimal Military Planning," 10th NATO Operations Research and Analysis Conference, Norfolk, VA, 17-18 October 2016.

11. Dell, R., Hartman, T., McLemore, C., and Yakici, E., "Daily Airlift Routing for Amphibious Ready Groups," 10th NATO Operations Research and Analysis Conference, Norfolk, VA, 17-18 October 2016.

12. Dell, R., Hartman, T., McLemore, C., and Yakici, E., "Daily Airlift Routing for Amphibious Ready Groups," INFORMS Annual Meeting, Nashville, TN, 13-16 November 2016.

13. Marlow, D. and R. Dell, "How much unscheduled maintenance can a short-term flying and maintenance plan absorb?" 24th National Conference of the Australian Society for Operations Research, Canberra, Australia, 16-18 November 2016.

14. Dell, R., Alderson, D., and Brown G., "Optimizing Military Fuels Transport and Distribution," Joint Workshop on Location and Network Design - Transportation and Logistics III, Santa Cruz, Chile, 13-17 March, 2016.

15. Dell, R., Hartman, T., McLemore, C., and Yakici, E., "Rapid Airlift Planning for Amphibious Ready Groups," Joint Workshop on Location and Network Design - Transportation and Logistics III, Santa Cruz, Chile, 13-17 March, 2016.

16. Dell, R., Brown G., and Zabinski H., "Planning Naval Aircraft Procurement, Enhancements, and Retirements Over 30 Years," INFORMS Annual Meeting, Philadelphia, PA, 1-4 November 2015.

17. Dell R. and Marlow, D., "Optimal medium-term fleet planning incorporating deployment, flying and maintenance constraints," 27th European conference on Operational Research, Glasgow, Scotland, 12-15 July, 2015.

18. Marlow D. and Dell R., "Optimal short-term fleet planning incorporating flying and maintenance constraints," 83rd Military Operations Research Society Symposium, Alexandria, VA, 22-25 June, 2015.

19. Dell, R., "Planning Intra-Theater Airlift," NATO System Analysis and Studies 103 Technical Course (Executive Seminar for Decision Makers in the Application of Operational Analysis): Den Helder, Netherlands on 1 December 2014; Bydgoszcz, Poland on 3 December 2014; and Rome, Italy on 4-5 December 2014.

20. Dell, R., "Scheduling Navy Logistics Ships," NATO System Analysis and Studies 103 Technical Course (Executive Seminar for Decision Makers in the Application of Operational Analysis): Den Helder, Netherlands on 1 December 2014; Bydgoszcz, Poland on 3 December 2014; and Rome, Italy on 4-5 December 2014.

21. Dell, R., R. McLaughlin and M. Carlyle, "Optimizing Adversary Aircraft Fleet Composition and Employment," Conference for the International Federation of Operational Research Societies, Barcelona, Spain, 13-18 July 2014.

22. Fricker, R. and R. Dell, "Educating Military Operations Research Practitioners," Conference for the International Federation of Operational Research Societies, Barcelona, Spain, 13-18 July 2014.

23. McLaughlin, R., R. Dell and M. Carlyle, "Optimizing Adversary Aircraft Fleet Composition and Employment," 82nd Military Operations Research Society Symposium, Alexandria, VA, 16-19 June, 2014.

24. Miller, M., B. McClune, J. Oppenlander, S. Kremer, R. Alexander, J. Tomlin, V. Arbige, and R. Dell, "Optimal Allocation of Students to Naval Nuclear Power Training Units," 82nd Military Operations Research Society Symposium, Alexandria, VA, 16-19 June, 2014.

25. Dell, R., DeGrange, W, and Fricker, R., "Plenary: UPS George D. Smith Prize: Presentation by the 2013 Winner," INFORMS Annual Meeting, Minneapolis, MN, 6-9 October 2013.

26. Dell, R., "Plenary: Optimization Research at the Naval Postgraduate School," SPOLM (Simposio de Pesquisa Operacional e Logistica de Marinha) XVI Operations Research and Logistics Brazilian Navy Symposium, Rio de Janeiro, Brazil, 15-16 August 2013.

27. Dell, R., "Applied Defense Optimization," SPOLM (Simposio de Pesquisa Operacional e Logistica de Marinha) XVI Operations Research and Logistics Brazilian Navy Symposium, Rio de Janeiro, Brazil, 15-16 August 2013.

28. Floyd, R., Alderson, D., Brown, G., and Dell, R., "Annual Scheduling of LANTAREA USCG Cutters" 81st Military Operations Research Society Symposium, Alexandria, VA, 17-20 June, 2013.

29. Dell, R., DeGrange, W, and Dixon, C., "Naval Postgraduate School, Department of Operations Research Smith Prize finalist presentation," 2013 INFORMS Conference on Business Analytics & Operations Research, San Antonio, Texas, 7-9 April 2013.

30. Araya, F., R. Dell, P. Donoso, V. Marianov, F. Martinez, and A. Weintraub, "Optimizing Location and Size of Rural Schools in Chile," Conference for the International Federation of Operational Research Societies, Melbourne, Australia, 10-15 July 2011. (IFORS Prize for OR in Development Finalist)

31. Ewing, L., Dell, R. and Salmeron, J., "Optimization of U.S. Army Equipment Readiness," INFORMS Computing Society Conference, Monterey, California, 9-11 January 2011.

32. Anderson, D., Brown, G., Carlyle, M., Dell, R., and Wray, J., "Intra-Theater Airlift Planning – Redux (U)," 78th Military Operations Research Society Symposium, Quantico, VA, 21-24 June 2010.

33. Alderson, D., Dell, R., Ewing, L. and Salmerón, M., "Optimization of U.S. Army Equipment Readiness," 24th European Conference on Operational Research, Lisbon, Portugal, 11-14 July 2010.

34. Dell, R., Brown G., and Carlyle M., "Planning Intra-Theater Airlift," International Conference on Operations Research, Munich, Germany, 1-3 September 2010.

35. Dell, R., and Ewing, L. "Capital Planning for the U.S. Army using Decision Analysis and Optimization," National Meeting of the Institute for Operations Research and the Management Sciences, Austin, Texas, 7-10 November 2010.

36. Dell, R.F., J.W. Brau, G.G. Brown, and W.M. Carlyle, "Planning Intra-Theater Airlift," Transportation and Logistics Workshop, Renaca, Chile, 8-11 December 2009.

37. Dell, R.F., F. Araya, P. Donoso, V. Marianov, F. Martinez, A. Weintraub, C. Zuniga, "Resizing, Opening, and Closing Rural Schools in Chile," National Meeting of the Institute for Operations Research and the Management Sciences, San Diego, CA 11-14 October 2009.

38. Dell, R.F., P.E. Roman, and J.D. Velasquez, "Optimization Models for Construction and Analysis Of Web User Sessions," 11th INFORMS computing Society Conference, Charleston, SC, 11-13 January, 2009.

39. Dell, R.F., P.E. Roman, and J.D. Velasquez, "Web User Session Reconstruction Using Integer Programming," 2008 IEEE/WIC/ACM International Conference on Web Intelligence, Sydney Australia, 9-12 December, 2008.

40. Dell, R.F. and G.G. Brown, "Secrets for success with optimization," National Meeting of the Institute for Operations Research and the Management Sciences, Washington, DC, 12-15 October 2008.

41. Brown, G., Carlyle, M., Dell, R., Royset, J., Salmeron, J. and Wood, K., "The Legacy of Richard E. Rosenthal, Distinguished Professor of OR, Naval Postgraduate School," INFORMS Annual Meeting, Washington, DC, 12-15 October 2008.

42. Roman, P.E., R.F. Dell, and J.D. Velasquez, "Identificacion de las sesiones de un usuario web usando un enfoque de optimización discreta," XIV Congreso Latino-Iberoamericano de Investigación Operativa, Cartagena, Colombia, 9-12 September, 2008.

43. Dell, R.F., and S.J. Sparling, "Optimal Distribution of Resources for Non-Combatant Evacuation," Rist Prize presentation, 76th Military Operations Research Society Symposium, New London, CT, June 10-12, 2008.

44. Brau, J., G.G. Brown, W.M. Carlyle, and R.F. Dell, "Planning Intra-theater Airlift for Operation Iraqi Freedom and Operation Enduring Freedom," Richard H. Barchi Prize presentation, 75th Military Operations Research Society Symposium, Annapolis, Maryland, June 12-14, 2007.

45. Dell, R.F., "Planning Intra-theater Airlift for Operation Iraqi Freedom and Operation Enduring Freedom," US Army Training and Doctrine Command, White Sands Missile Range, New Mexico, 22 February 2007.

46. Dell, R.F., Royset J.O., and I. Zyngiridis, "Optimizing Container Movements using One and Two Automated Stacking Cranes," XIII Congreso Latino-Iberoamericano de Investigación Operativa, Montevideo, Uruguay, November 27-30, 2006

47. Dell, R.F., "Planning Intra-theater Airlift for Operation Iraqi Freedom and Operation Enduring Freedom," US Army Training and Doctrine Command, Fort Leavenworth, Kansas, 6 February 2007.

48. Dell, R.F., Brau, J., Brown, G.G, and W.M. Carlyle, "Scheduling Our Call-for-Haul Airline for Operation Iraqi Freedom," 74th Military Operations Research Society Symposium, Colorado Springs, Colorado, June 13-15, 2006.

49. Dell, R.F. and W.J. Tarantino, "Analysis Under a Looking Glass: 2005 Army BRAC (Base Realignment and Closure)," INFORMS Conference on O.R. Practice, Miami, Florida, April 30-May 2, 2006.

50. Dell, R.F. and W.J. Tarantino, "Tutorial on Optimization Applied to BRAC," 73rd Military Operations Research Society Symposium, West Point, New York, June 21-23, 2005.

51. Royset, J.O. and Dell, R.F., "Modeling to Support Infrastructure Decisions," International Federation of Operations Research Societies IFORS Honolulu, Hawaii, July 11-15, 2005.

52. Olwell, D.H., Dell, R.F., Meagher, M; and Regnier, E., "Low-Level Environmental Clean-up Cost Modeling, 73rd Military Operations Research Society Symposium, West Point, New York, June 21-23, 2005.

53. Olwell, D.H.; Dell, R.F.; Tarantino, W. J.; Smith, D.; Ewing, L.; and Royset, J.O., "Changing United States Army Infrastructure: Analyses to help make Billion Dollar Decisions," International Federation of Operations Research Societies IFORS Honolulu, Hawaii, July 11-15, 2005.

54. Olwell, D., Dell, R.F., Meagher, M. and Regnier, E., "Low-level environmental clean-up cost modeling," 72nd Military Operations Research Society Symposium, Monterey, California, June 22-24, 2004.

55. Ewing, P.L. and Dell, R.F., "The Optimally Stationing of Army Forces Model (OSAF)," 72nd Military Operations Research Society Symposium, Monterey, California, June 22-24, 2004.

56. Dell, R.F., "Base Realignment and Closure Action Scheduler (BRACAS)," 72nd Military Operations Research Society Symposium, Monterey, California, June 22-24, 2004.

57. Dell, R.F., "Optimizing Military Capital Planning," INFORMS Conference on OR/MS Practice, Phoenix, Arizona, May 4-6, 2003.

58. Dell, R.F. and Tarantino, W.J., "An Integer Linear Program to Recommend Army Stationing," 71st Military Operations Research Society Symposium, Marine Corps Base Quantico, June 10-12, 2003.

59. Dell, R.F. and Tarantino, W.J., "How Optimization Guides Army Stationing," National Meeting of the Institute for Operations Research and the Management Sciences, Atlanta, Georgia 19-22 October 2003

60. Dell, R.F., Brown, G.G., and Newman A. "Optimization Models for Military Capital Planning," National Meeting of the Institute for Operations Research and the Management Sciences, Atlanta, Georgia 19-22 October 2003

61. Dell, R.F., "Funding Environmental Cleanup at Army Installations," National Meeting of the Institute for Operations Research and the Management Sciences, Atlanta, Georgia 19-22 October 2003

62. Martins, G.H.A. and Dell, R.F., "New Approaches for Solving the Pallet Loading Problem," National Meeting of the Institute for Operations Research and the Management Sciences, San Jose, CA, November 17-20, 2002.

63. Salmeron, J., Brown, G.G., Dell, R.F., and Rowe, A., "CIPA: Capital Investment Planning Aid for the U.S. Navy," National Meeting of the Institute for Operations Research and the Management sciences, San Jose, CA, November 17-20, 2002.

64. Dell, R.F. and Tarantino, W.F., Optimal Stationing of Army Forces," National Meeting of the Institute for Operations Research and Management Sciences, Miami, FL, November 4-7, 2001.

65. Dell, R.F. and Brown, G.G., "Tutorial on Optimizing Military Capital Budgeting," 69th Military Operations Research Society Symposium, U.S. Naval Academy, Annapolis, MD, June 12-14, 2001.

66. Dell, R.F. and Noble, J.D., "Scheduling and Distributing Intra-Theatre Wartime POL Requirements," 69th Military Operations Research Society Symposium, U.S. Naval Academy, Annapolis, MD, June 12-14, 2001.

67. Tarantino, W.J., Dell, R.F., and Connors, G., "Optimal Stationing of Army Forces (OSAF)," 69th Military Operations Research Society Symposiums, U.S. Naval Academy, Annapolis, MD, June 12-14, 2001. (Presented in two different sessions.)

68. Brown, G.G., Dell, R.F., Field, R.J., and Newman, A.M., "Optimization Models for Military Capital Budgeting," 68th Military Operations Research Society Symposium, Colorado Springs, CO, June 20-22, 2000.

69. Baker, R.O., Dell, R.F., and Meeks, B.P., "Optimally Scheduling EA-6B Depot Maintenance," National Meeting of the Institute for Operations Research and the Management Sciences, Salt Lake City, UT, May 7-10, 2000.

70. Brown, G.G., Dell, R.F., and Halwachs, T.E., "Implementing Optimization Based Models for Acquisition," SMART (Simulation & Modeling Acquisition Requirements Training) Conference 2000 sponsored by The Assistant Secretary of the Army for Acquisition, Logistics, and Technology, Los Angeles, CA, January 26-28, 2000.

71. Kerman, M.C., Brown, G.G., and Dell, R.F., "Optimally Reorganizing Navy Shore Infrastructure," National Meeting of the Institute for Operations Research and the Management Sciences, Cincinnati, OH, May 2-5, 1999.

72. Brandeau, J.F. and Dell, R.F., "Classifying Public Switched Telephone Networks Switching Stations," National Meeting of the Institute for Operations Research and the Management Sciences, Cincinnati, OH, May 2-5, 1999.

73. Tivnan, B.F. and Dell, R.F., "Optimizing United States Marine Corps Enlisted Assignments," 66th Military Operations Research Society Symposium, Monterey, CA, June 23-25, 1998.

74. Dell, R.F., "Optimization and Persistence," Engineering Economic Systems and Operations Research Seminar at Stanford University, January 21, 1998.

75. Dell, R.F., "Managing the Environmental Costs of Closing US Army Bases," 16th International Symposium on Mathematical Programming, Lausanne, Switzerland, August 24-29, 1997.

76. Dell, R.F., "Optimizing Base Realignment and Closure Implementation," National Meeting of the Institute for Operations Research and the Management Sciences, San Diego, CA, May 4-7, 1997.

77. Dell, R.F., "Optimizing Base Realignment and Closure Implementation," Optimization Days, Montreal, Canada, May 13-15, 1996.

78. Tarantino, W., Brown, G.G., and Dell, R.F., "Planning Acquisition of Theater Missile Defense Systems," National Meeting of the Institute for Operations Research and the Management Sciences, Washington, DC, May 5-8, 1996.

79. Dell, R.F., Brown, G.G., and Wood, R.K., "Modeling for Solution Persistence," National Meeting of the Institute for Operations Research and the Management Sciences, Washington, DC, May 5-8, 1996.

80. Walker, S.C. and Dell, R.F., "Quantifying End Effects for Linear and Integer Programs Using Infinite-Horizon Linear Programming," National Meeting of the Institute for Operations Research and the Management Sciences, Washington, DC, May 5-8, 1996.

81. Dell, R.F., "A Multi-Commodity Network Design for the Defense Logistics Agency," 2nd International Conference on Industrial Logistics, Ouro Preto, Brazil, December 11-14, 1995.

82. Walker, S.C. and Dell, R.F., "Quantifying End Effects in Linear and Integer Programs Using Infinite-Horizon Linear Programming," National Meeting of the Institute for Operations Research and the Management Sciences, New Orleans, LA, October 29 - November 1, 1995.

83. Dell, R.F., Brown, G.G., and Farmer, R.A., "Scheduling Coast Guard Cutters," International Federation of Operational Research Societies Conference on Digital Technologies and Multimedia, Santa Monica, CA, January 15-18, 1995.

84. Bailey, M.P., Dell, R.F., and Glazebrook, K.D., "Simulation-Based Dynamic Optimization: Planning United States Coast Guard Law Enforcement Patrols," The International Society for Computer Simulation 1994 Winter Simulation Conference, December 11-14, 1994.

85. Santos, A.G., Dell, R.F., Eagle, J.N., and Martins, G.H., "Using Multiple Searchers in Constrained-Path Moving-Target Search Problems," 26th Simposio Sociegade Brasileira de Pesquisa Operacional, Florianopolis, Brazil, November 30 - December 2, 1994.

86. Dell, R.F., Eagle, J.N., Martins, G.H., and Santos, A.G., "Using Multiple Searchers to Locate a Moving Target," National Meeting of the Operations Research Society of America and The Institute of Management Science, Boston, MA, April 24-27, 1994.

87. Dell, R.F., Bulfin, R.L., and Kunzman, D.S., "Determining Optimal Instructor Levels at the Defense Language Institute Foreign Language Center," ORSA/TIMS Joint National Meeting, Phoenix, AZ, October 31 - November 3, 1993.

88. Dell, R.F. and Farmer, R., "Developing Schedules for Coast Guard District Cutters," ORSA/TIMS Joint National Meeting, Chicago, IL, May 16-19, 1993.

SELECT RESEARCH GRANTS AND FUNDING (Principal or Co-Principal Investigator)

1. (2022 - 2024) $456,000 "Large-Scale Optimization," Sponsored by Office of Naval Research.

2. (2021 - 2023) $475,000 "The Dynamic Airlift Routing Problem," Sponsored by the Air Force Office of Scientific Research.

3. (2018 - 2021) $455,000 "Large-Scale Optimization," Sponsored by Office of Naval Research.

4. (2018 - 2021) $820,000 "Open Source Identity and Fraud Detection," Sponsored by Department of Defense.

5. (2017 - 2021) $40,000 "Optimization Models for Nuclear Prototype Training Allocation and Scheduling," Sponsored by Department of Energy.

6. (2019 - 2021) $65,000 "Using Open Source Natural Language Processing to Inform Clearance Worthiness," Sponsored by Army Analytics Group.

7. (2019 - 2020) $350,000 "Open-Source Network Traffic Characterization and Anomaly Detection," Sponsored by Army Network Enterprise Technology Command.

8. (2018 - 2019) $100,000 "Air Force A9 Analytics Environment Development," Sponsored by U.S. Air Force.

9. (2015 - 2018) $520,000 "Large Scale Optimization," Sponsored by Office of Naval Research.

10. (2011 - 2017) $300,000 "Nuclear Prototype Training Allocation and Scheduling," Sponsored by Department of Energy.

11. (2015 - 2015) $43,000 "Planning Divestment of Afghanistan Infrastructure," Sponsored by U.S. Forces Afghanistan.

12. (2013-2013) $40,000 "Planning Environmental Cleanup at Closed Army Installations," Sponsored by Office of the Assistant Chief of Staff for Installation Management.

13. (2009 - 2010) $60,000 "USMC F-35 Lightning Transition Planner," Sponsored by Marine Corps Systems Command.

14. (2009-2009) $50,000 "2009 Chile-USA Naval Operations Research Workshop," Sponsored by Office of Naval Research.

15. (2007-2008) $75,000 "Base Realignment and Closure Infrastructure Analysis," Sponsored by Army Assistant Chief of Staff for Installation Management.

16. (2007-2008) $60,000 "CAA Analytical Support," Sponsored by Center for Army Analysis.

17. (1996-2007) $799,000 "Optimization Models for Installation Management," Sponsored by Army Assistant Chief of Staff for Installation Management.

18. (2006-2006) $75,000 "Air Routing to Move Pallets and People (U)," Sponsored by United States Central Command, Deployment Distribution Operations Center.

19. (2005-2006) $52,000 "Army Infrastructure Analysis Support," Sponsored by Deputy Assistant Secretary of the Army (Infrastructure Analysis).

20. (2006-2006) $50,000 "CAA Analytical Support," Sponsored by Center for Army Analysis.

21. (2003-2005) $200,000 "Optimization and Statistical Models for The Army Basing Study," Sponsored by United States Army, The Army Basing Study.

22. (1999-2002) $339,000 "Optimizing Navy Program Planning," Sponsored by CNO-N81 Assessment Division

23. (2000 - 2001) $75,000 "Planning Capital Investments using Optimization," Sponsored by Office of Naval Research.

24. (1999 - 2000) $75,000 "Affordability Modeling in an Uncertain Environment," Sponsored by Office of Naval Research.

25. (2000 - 2001) $10,000 "Optimizing the flow of Marine recruits through entry-level training," Sponsored by United Marine Corps Combat Development Command.

26. (1999 - 2000) $60,000 "Optimally Scheduling EA-6B Depot Maintenance," Sponsored by NAVAIR.

27. (1998-1999) $55,000 "Planning Procurement and Development of Space and Missile Assets," Sponsored by United States Air Force, Air Force Space Command.

28. (1994-1995) $65,000 "Scheduling Army Base Realignment and Closure Actions," Sponsored by United States Army, Base Realignment and Closure Office.

29. (1995-1995) $60,000 "Planning Acquisition of Theater Missile Defense Systems," Sponsored by Office of the Under Secretary of Defense, Defense Systems (Acquisition and Technology).

30. (1992-1994) $206,000 "Optimally Stationing Units to Bases (OSUB): A Model for Army Base Realignment and Closure," Sponsored by United States Army, The Army Basing Study.

31. (1994-1995) $80,000 "Modeling Resource Allocation in Weapon Systems Acquisition," Sponsored by Office of the Secretary of Defense, PA&E, Land Forces Division.

32. (1993-1995) $80,000 "Interactive Simulation and Optimization for Selecting Coast Guard Law Enforcement Assets," Sponsored by United States Coast Guard, Research and Development Center, Systems Analysis Branch.

DISSERTATION AND THESIS SUPERVISION (as advisor or co-advisor)

Ph.D. Dissertations

MARTINS, GUSTAVO H.A., "Packing in Two and Three Dimensions," Ph.D. in Operations Research, June 2003, Dissertation Supervisor: Professor Robert F. Dell, Department of Operations Research.

WALKER, STEVEN C., Commander, U.S. Navy, "Evaluating End Effects for Linear and Integer Programs Using Infinite-Horizon Linear Programming," Ph.D. in Operations Research, March 1995, Dissertation Supervisor: Professor Robert F. Dell, Department of Operations Research.

Masters Theses

1. WHITLOW, J. Lieutenant Colonel, USMC, "Rapid Operational Design of Airlift Networks in Contested Environments," MS in Operations Research, June 2022.

2. YE, J. Ensign, US Navy, "Improving Automated Schedules for Naval Air Station Kingsville," MS in Operations Research, December 2020.

3. MATLAG, C. Lieutenant Commander, US Navy, "Optimizing Location of Expeditionary Medical Assets," MS in Operations Research, March 2020.

4. MEDITZ M. Ensign, US Navy, "Optimizing Training Event Schedules at Naval Air Station Kingsville," MS in Operations Research, December 2019.

5. RENOSTO, A. Captain, USMC, "Optimizing Marine Corps Installation Readiness," MS in Operations Research, June 2019.

6. MARTIN, J. Lieutenant, US Navy, "Optimizing Employment of the Autonomous Surface Vessel Sea Hunter," MS in Operations Research, March 2019.

7. FIELDS, E. Lieutenant, US Navy, "Optimally Allocating Naval Surface Assets in Times of Crisis (U)," MS in Operations Research, September 2018.

8. RICE, N., Captain USMC, "Optimizing Marine Corps Secondary Reparable Maintenance," MS in Operations Research, June 2018.

9. SLYE, R., Lieutenant JG, USN, "Optimizing Training Event Schedules at Naval Air Station," MS in Operations Research, March 2018.

10. GUTHRIE, K., Captain USMC, "Implementing and Bounding a Cascade heuristic for Large-Scale Optimization," MS in Operations Research, June 2017.

11. HERRAIZ-SOLLA, A., Lieutenant Commander, Spanish Navy, "Optimal Routing of Embarked Aircraft to Identify Surface Contacts," MS in Operations Research, June 2017.

12. SMITH, A., Major US Army, "Predicting Ranger Assessment and Selection Program 1 Success and Optimizing Class composition," MS in Operations Research, June 2017.

13. MACEY, D., Lieutenant, US Navy, "Fallon Range Training Complex Flight Event Timetabling," MS in Operations Research, March 2017.

14. GOODWIN, K., Major USMC, "Optimizing Maintenance Manpower for USMC F/A-18 Squadrons," MS in Operations Research, June 2016.

15. ZERR, G., Captain USMC, "Optimization of USMC Hornet Inventory," MS in Operations Research, June 2016.

16. BLANKENSHIP, R.D., Lieutenant, US Navy, "Optimizing Underwater Acoustic Test Range Event Schedules," MS in Operations Research, March 2016.

17. ROTKLEIN, E.J.S.A., Lieutenant, US Navy, "Optimizing Training Schedules at U.S. Navy Nuclear Prototype Training Units," MS in Operations Research, September 2015.

18. HARTMAN, T.A., Lieutenant Commander, US Navy, "Rapid Airlift Planning for Amphibious-Ready Groups," MS in Operations Research, September 2015.

19. ZABINSKI, H.M., Captain, USMC, "Capital Investment Planning Aid for Naval Aircraft," MS in Operations Research, June 2015.

20. MINTZER, D.S., Lieutenant, US Navy, "Optimizing the Resilience of Containerized Cargo Transportation Infrastructure in the Port of Los Angeles," MS in Operations Research, September 2014.

21. BRISKER, P.M., Captain, USMC, "Optimal Location of Marine Forces Reserve Units by Demographics," MS in Operations Research, June 2014.

22. MCLAUGHLIN, J.R., Lieutenant Commander, US Navy, "Optimizing Adversary Training and the Structure of the Navy Adversary Fleet," MS in Operations Research, September 2013.

23. FLOYD, R.J., Lieutenant, US Navy, "Scheduling USCG Atlantic Area Cutters," MS in Operations Research, March 2013.

24. SEGLEM, K.C.K., Lieutenant, US Navy, "Optimizing Student Allocation to U.S. Nuclear Prototype Training," MS in Operations Research, March 2012.

25. ILETO, J.V., Lieutenant, US Navy, "Improving the Resiliency of the Petroleum Supply Chain for the Hawaiian Islands," MS in Operations Research, March 2011.

26. MADSON, R.L., Lieutenant, US Navy, "Optimizing Assignments of Strike-Fighter Squadrons to Carrier-Airwing Deployments," September 2010.

27. HOLLOWAY, S.V., Major, USMC, "Optimizing Marine Corps Pilot Conversion to the Joint Strike Fighter," MS in Operations Research, June 2010.

28. WORKMAN, P.E., Major, US Army, "Optimizing Security Force Generation," MS in Operations Research, June 2009.

29. AKEL, K., Captain, Turkish Gendarmerie, "An Integer Linear Program to Combine Container Handling and Yard Crane Deployment," MS in Operations Research, June 2007.

30. GIBSON, H.O., Major, US Army, "The Total Army Competitive Category Optimization Model: Analysis of U.S. Army Officer Accessions and Promotions," MS in Operations Research, June 2007.

31. KIRSCHMAN, W.C., Major, US Air Force, "Improving the Air Tasking and Efficiency Model (ATEM) By Minimizing Cost and Prioritizing Cargo," MS in Operations Research, June 2007.

32. LABOO, B.N., Major, Australian Army, "Conflict Resolution and Optimization of Multiple-Satellite Systems (CROMSAT)," MS in Operations Research, June 2007.

33. OWENS, A.D., Lieutenant Commander, US Navy, "Scheduling Intra-theater Airlift for Operation Iraqi Freedom and Operation Enduring Freedom," MS in Operations Research, March 2007.

34. BURKMAN, K.W., Major, US Army, "Applying Defender-Attacker Integer Linear Programs to Computer Network Operations (U)," MS in Operations Research, December 2006.

35. BRIDGES, J.A., Lieutenant Commander, US Navy, "Planning United States Central Command Intra-theater Airlift Routes," MS in Operations Research, September 2006.

36. SHETZLINE, R.Y., "Optimally Programming the Army Total Obligation Authority," MS in Operations Research, June 2006.

37. COLGARY, K. A., and WILLETT, D.K., "Ship and Installation Program: Optimal Stationing of Naval Ships," MS in Applied Science (Operations Research), June 2006.

38. Lee, T., "Optimizing CAT-ASVAB Item Selection using Form Assembly Techniques," MS in Operations Research, June 2006.

39. CHIU, W.S. "Optimizing Military Manpower Assignments over Multiple Time Period," March 2006, MS in Operations Research.

40. ZYNGIRIDIS, I. "Optimizing Container Movements Using One and Two Automated Stacking Cranes," MS in Operations Research, December 2005.

41. SEICHTER, S. "The Fast Theater Model (FATHM): Optimization of Air-to-Ground Engagements as a Defender-Attacker Model," MS in Operations Research, December 2005.

42. SCOTT, J.D. "Optimal Course Scheduling for the Defense Language Institute," MS in Operations Research, September 2005.

43. HOUSE, J.B. "Optimizing the Army's Base Realignment and Closure Implementation While Transforming and at War," MS in Operations Research, June 2005.

44. MCELROY, J.S. "Optimizing the Distribution of U.S. Army Officers," MS in Operations Research, September 2005.

45. BILLINGS, R.L. "Scheduling ammunition loading and unloading for U.S. Navy ships in San Diego," MS in Operations Research, March 2005.

46. COLBERT, C.W. "Optimizing cost versus time shipping of U.S. Navy retrograde materiel," MS in Operations Research, March 2005.

47. DETAR, P.J. "Scheduling Marine Corps entry-level MOS schools," MS in Operations Research, September 2004.

48. NURSE, N.A. "Shift and duty scheduling of surgical technicians in Naval hospitals," MS in Systems Engineering Management, September 2004.

49. ALROMAIHI, M.M. "Scheduling Army Base Realignment and Closure," MS in Operations Research, June 2004.

50. KASIMOGLU, F. "An Integer Linear Program to Schedule an Army Installation's Maneuver Training," MS in Operations Research, June 2004.

51. MEAGHER, M., Lieutenant Commander, US Navy, "A Low-Resolution Cost Model for Environmental Restoration of Closing Army Installations," MS in Operations Research, March 2004.

52. RICHARDS, C., 2nd Lieutenant, U.S. Air Force, "Modeling Unit Facility Requirements in an Integer Linear Program to Recommend Army Stationing," MS in Operations Research, September 2003.

53. AYTEKIN, M., Lieutenant Junior Grade, Turkish Navy, "Applying a Fix-and-Relax Heuristic to U.S. Navy Force Structure Planning," MS in Operations Research, December 2002.

54. CHA, Y.K., Lieutenant, U.S. Navy, "Analysis of OPLAN 5027 Dry Cargo Flow in Japan (U)," MS in Operations Research, September 2002.

55. BAYRAM, V., Lieutenant, Turkish Navy, "Optimizing the Capacity and Operation of U.S. Army Ammunition Production Facilities," MS in Operations Research, June 2002.

56. DZWONCHYK, J.D., Captain, U.S. Army, "Optimal Allocation of Army Military Construction Projects," MS in Operations Research, June 2002.

57. ILIAKIS, A., Lieutenant Commander, U.S. Navy, "Distributing Intra-Theater Wartime Fuel Requirements for Operation Enduring Freedom," MS in Operations Research, June 2002.

58. SMITH, S.C., Lieutenant Commander, U.S. Navy, "Optimal Scheduling of Bulk Petroleum Tankers in the Western Pacific," MS in Operations Research, June 2002.

59. ARDIC, S., First Lieutenant, Turkish Army, "Funding Site Cleanup at Closing Army Installations: A Stochastic Organization Approach," MS in Operations Research, December 2001.

60. DEVLIN, D.L., Lieutenant Commander, U.S. Navy, "Scheduling and Distributing Intra-Theater Wartime POL Requirements Under Uncertainty," MS in Operations Research, December 2001.

61. GARCIA, R.M., Lieutenant Commander, U.S. Navy, "Optimized Procurement and Retirement Planning of Navy Ships and Aircraft," MS in Operations Research, December 2001,

62. GEZER, M., First Lieutenant, Turkish Army, "Optimal Stationing of the United States Army Forces in Korea," MS in Operations Research, December 2001.

63. WHALEY, D.L., Major, U.S. Marine Corps, "Scheduling the Recruiting and MOS Training of Enlisted Marines," MS in Operations Research, September 2001.

64. HARMON, J.V., SC, Lieutenant Commander, U.S. Navy, "Planning U.S. Pacific Command Wartime Fuel Distribution," MS in Operations Research, September 2001.

65. BARAN, N., Lieutenant Junior Grade, Turkish Navy, "Optimizing Procurement Planning of Navy Ships and Aircraft," MS in Operations Research, December 2000.

66. NOBLE, J.D., Lieutenant Commander, U.S. Navy, "Scheduling and Distributing Intra-Theatre Wartime POL Requirements," MS in Operations Research, December 2000.

67. OREMIS, S., First Lieutenant, Turkish Army, "Funding Site Cleanup at Closing Army Installations: An Integer Linear Programming Approach," MS in Operations Research, December 2000.

68. BAKER, R.O., JR., Lieutenant Colonel, U.S. Marine Corps, "Optimally Scheduling EA-6B Depot Maintenance and Aircraft Modification Kit Procurement," MS in Operations Research, September 2000.

69. EVANS, J.A., Major, U.S. Marine Corps, "Who Responds and How Long Does it Take: Assigning Fire Station Areas of Responsibility," MS in Operations Research, June 2000.

70. DIAZ, J.E., Lieutenant, U.S. Navy, "Assigning Unmanned Undersea Vehicles (UUVs) to Mine Detection Operations," MS in Operations Research, December 1999.

71. FIELD, R.J., Lieutenant, U.S. Navy, "Planning Capital Investments in Navy Forces," MS in Operations Research, December 1999.

72. KEENAN, T.A., Lieutenant, U.S. Navy, "Distributing Intra-Theater Wartime POL Requirements," MS in Operations Research, September 1999.

73. MEEKS, B.P., Lieutenant Commander, U.S. Navy, "Optimally Scheduling EA-6B Depot Maintenance," MS in Operations Research, September 1999.

74. REICH, W.F., Lieutenant Commander, U.S. Navy, "Optimizing Navy Wholesale Inventory Positioning," MS in Operations Research, September 1999.

75. BRANDEAU, J.F., Commander, U.S. Navy, "An Algorithm for Classifying PSTN Switching Stations," MS in Operations Research, September 1998.

76. TIVNAN, B.F., Captain, U.S. Marine Corps, "Optimizing United States Marine Corps Enlisted Assignments," MS in Operations Research, September 1998.

77. PIPPIN, B.W., Captain, U.S. Army, "Allocating Flight Hours to Army Helicopters," MS in Operations Research, June 1998.

78. CHILSON, C.S., Lieutenant, U.S. Navy, "Minimizing Army Cadet Temporary Duty," MS in Operations Research, March 1998.

79. WELLBRINK, J., Captain, German Army, "Optimal Use of German Army Maintenance Resources," MS in Operations Research, March 1998.

80. BRIDGES, M.R., Captain, U.S. Army, "Optimally Funding Army Installation Repair and Maintenance Activities," MS in Operations Research, September 1997.

81. KERMAN, M.C., Lieutenant, U.S. Navy, "Optimally Reorganizing Navy Shore Infrastructure," MS in Operations Research, September 1997.

82. MICHAELIS, K.A., Lieutenant Commander, U.S. Navy, "Satisfying War-Time Fuel Requirements with a Minimal Tanker Complement," MS in Operations Research, September 1997.

83. FORD, K.S., Lieutenant, U.S. Navy, "Optimizing Aerobot Exploration of Venus," MS in Operations Research, March 1997.

84. GOODHART, C.A., Captain, U.S. Marine Corps, "Allocation of Navy Real Property Maintenance Funding," MS in Operations Research, March 1997.

85. KUNDE, D., Captain, German Army, "Form Assembly for the Armed Services Vocational Aptitude Battery (ASVAB) - An Optimal and a Heuristic Approach," MS in Operations Research, March 1997.

86. CARR, D.A., Captain, U.S. Army, "Optimally Scheduling Theater Missile Defense Procurement," MS in Operations Research, September 1996.

87. GOETTE, H., Captain, German Army, "Budgeting For Environmental Clean-up of Army Bases," MS in Operations Research, September 1996.

88. BIGGIE, T.A., III, Lieutenant, U.S. Navy, "Optimizing the Modernization of Eastern European Forces," MS in Operations Research, March 1996.

89. GROSS, W.M., Lieutenant, U.S. Navy, "Integer Programming Based Investment Trade-Off," MS in Operations Research, March 1996.

90. JACKSON, L.A., Major, U.S. Army, "Facility Location Using Cross Decomposition," MS in Operations Research, December 1995.

91. BROWN, R.P., Captain, U.S. Marine Corps, "Optimizing Readiness and Equity in Marine Corps Aviation Training Schedules," MS in Operations Research, September 1995.

92. PAGONIS, G.W., Captain, U.S. Army, "Optimizing Strategic Sealift," MS in Operations Research, September 1995.

93. SPOSATO, J.J., Lieutenant, U.S. Navy, "Optimal Routing of Ice Reconnaissance Aircraft," MS in Operations Research, September 1995.

94. IHDE, A.G., Captain, U.S. Marine Corps, "An Optimization Model for Anti-Armor Weapon Systems Acquisition," MS in Operations Research, March 1995.

95. DOWTY, T.W., Lieutenant, U.S. Navy, "Determining Optimal Locations for Navy Medical Hospitals: An Integer Programming Approach," MS in Operations Research, September 1994.

96. FREE, E.J., Captain, U.S. Army, "An Optimization Model for Scheduling Army Base Realignment and Closure Actions," MS in Operations Research, September 1994.

97. HEDERRA, F.J., Lieutenant, Chilean Navy, "Timetabling Courses at the Naval Postgraduate School," MS in Operations Research, September 1994.

98. HOLMES, R.D., JR., Lieutenant, U.S. Navy, "A Multi-Commodity Network Design for the Defense Logistics Agency," MS in Operations Research, June 1994.

99. SGASLIK, A., Captain, German Army, "Planning German Army Helicopter Maintenance and Mission Assignment," MS in Operations Research, March 1994.

100. GILLMAN, W.G., Captain, U.S. Army, "Evaluating Army Bases' Ability to Support Maneuver Training: A Linear Programming Approach," MS in Operations Research, September 1993.

101. GUARINO, R.S., Captain, U.S. Army, "Optimally Locating Container Stuffing Sites," MS in Operations Research, September 1993.

102. KUNZMAN, D.S., Captain, U.S. Marine Corps, "Optimally Scheduling Instructors at the Defense Language Institute: An Integer Programming Approach," MS in Operations Research, September 1993.

103. SANTOS, A.G., Lieutenant Commander, Brazilian Navy, "Using Multiple Searchers to Locate a Randomly Moving Target," MS in Operations Research, September 1993.

104. WILLIAMS, D.C., Major, U.S. Army, "Optimally Selecting Ballistic Missile Defense Organization Project Alternatives," MS in Operations Research, September 1993.

105. BAIG, S., Lieutenant Colonel, Pakistan Army, "Scheduling the Peacetime Rotation of Pakistan Army Units," MS in Operations Research, September 1992.

106. FARMER, R.A., Lieutenant Commander, US Coast Guard, "Scheduling Coast Guard District Cutters," MS in Operations Research, September 1992.

107. SCHAFFER, M.S., Lieutenant, US Navy, "Navy Obstetrics/Gynecology Physician Allocation Model," MS in Operations Research, September 1992.

108. TARANTINO, W.J., Captain, US Army, "Modeling Closure of Army Materiel Command Installations: A Bi-Criteria Mixed Integer Programming Approach," MS in Operations Research, September 1992.

109. DUNN, J.S., Lieutenant, US Navy, "Scheduling Underway Replenishment as a Generalized Orienteering Problem," MS in Operations Research, June 1992.

110. WU, T.L., Lieutenant, R.O.C. Navy, "Optimization Models for Underway Replenishment of a Dispersed Carrier Battle Group," MS in Operations Research, March 1992.

111. ZABAROUSKAS, M.W., Lieutenant Commander, US Navy, "Scheduling Underway Replenishment Using the Delivery Boy and Circuit Rider Tactics: An Asymmetric Generalized TSP," MS in Operations Research, March 1992.

112. BARE, K.A., Lieutenant, US Navy, "Long Range Amphibious Fleet Management: An Integer Programming Approach," MS in Operations Research, September 1991.

113. SINGLETON, J.G., Captain, U.S. Army, "Stationing United States Army Units to Bases: A Bi-criteria Mixed Integer Programming Approach," MS in Operations Research, June 1991.

PRIVATE SECTOR CONSULTING

Developed and applied optimization-based decision support systems in areas ranging from production scheduling to professional sports analytics.

RECENT PROFESSIONAL SERVICE

- Editor Military Operations Research Journal 2016-2018
- INFORMS UPS George Smith Prize Task Force (Chair) 2018-2019
- INFORMS UPS George Smith Prize Committee (member: 2016-2018, Chair: 2019-2021)
- INFORMS Seth Bonder Scholarship for Applied Operations Research in Military Applications (prize selection committee member) 2018
- Co-Chair, NATO SAS-126 Specialist Team "Operational Research and Analysis Orientation Course –Development of Additional Content" (2015-2017)
- USA Representative, North Atlantic Treaty Organization (NATO) Technical Course SAS-103 on "Executive Seminar for Decision Makers in the Application of Operational Analysis" (2013-2015)
- Co-Chair, NATO SAS-098 Technical Team "Operations Research/Operational Analysis Orientation Course Curriculum for NATO Nations" (2011-2013)
- Member, External Advisory Board, Statistics and Operational Research Doctoral Training Centre, Lancaster University, UK (2011-2015)

RECENT NAVAL POSTGRADUATE SCHOOL (NPS) SERVICE

- Executive Director, NPS Data Science and Analytic Group (2018-2022)
- Member, NPS Steering Committee for WASC accreditation (2017-2020)
- Member, NPS Provost Search Committee (2015-2016)
- Member, NPS Faculty Council Professional Practices Committee (2013-2016)
- Member, NPS Graduate Writing Center Advisory Board (2013-2015)
- Chair, NPS Operations Research Department (2009-2015)
- Member, NPS Strategic Planning Committee (2011-2013)
- Co-Chair, NPS Steering Committee for WASC accreditation (2006-2010)