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EDUCATION

B.S. (Applied Mathematics) (1988), USAF Academy
M.S. (Operations Research) (1992), Air Force Institute of Technology

PROFESSIONAL EXPERIENCE

1988 - 1990 Scientific Analyst, USAF, Vandenberg AFB, CA
1990 - 1992 Graduate Student, USAF, Air Force Institute of Technology
1992 - 1995 Scientific Analyst, USAF, Scott AFB, IL
1992 - 1993 Total Quality Management Instructor, USAF, Scott AFB, IL
1992 - 1995 Adjunct Professor, Belleville Area College, Belleville, IL
1996 - 1999 Senior Consultant, William E. Wecker Associates, Inc.
2000 - Vice-President, William E. Wecker Associates, Inc.

HONORS

Meritorious Service Medal.
Air Mobility Command Officer of the Year, 1993.
Barchi Prize, 1994 Military Operations Research Society.
Best Application of Operations Research/Management Science Achievement Award, 1993. The Institute of Management Science/Operations Research Society of America, St. Louis Gateway Chapter.

PUBLICATIONS/PRESENTATIONS

"Constrained System Optimization and Capability Based Analysis" (with K. Bauer, J. Litko), Military Operations Research, Vol 2, No 4, 1997, pp. 5-19.
"Military Modeling and Simulation: Reflections and Directions", 1994 Winter Simulation Conference Proceedings, pp. 741-743.
"Constrained System Optimization and Capability Based Analysis", 62nd Military Operations Research Society, National Meeting, 1993.
"Force Allocation Through Constrained Optimization", 61st Military Operations Research Society, National Meeting 1993. Awarded Best Working Group Paper.
"Experimental Design Considerations in the Optimization of Stochastic Response Surfaces", Sponsored Session presentation, TIMS/ORSA Joint National Meeting, Chicago 1993.
"C-141 Depot Maintenance: Using Simulation to define Resource Requirements" (with T. Schuppe, D. McElveen, P. Miyares), Air Force Journal of Logistics, Winter-Spring 1993, pp. 11-15.
"Force Allocation Through Constrained Optimization of Stochastic Response Surfaces" (with K. Bauer, J. Litko), 1992 Winter Simulation Conference Proceedings, pp. 1121-1129.
"C-141 Depot Maintenance: Using Simulation to Define Resource Requirements" (with T. Schuppe, D. McElveen, P. Miyares), 1992 Winter Simulation Conference Proceedings, pp. 1145-1152.
Invited lectures at: University of Washington in St. Louis, University of St. Louis, United States Air Force Academy, and Air Force Institute of Technology.