

Vita

Major Staats is a Ph.D. Candidate in Industrial and Systems Engineering, assigned to the Air Force Institute of Technology, with duty at the Virginia Polytechnic Institute and State University, Blacksburg, Virginia. His dissertation research includes participation in an \$11.5B 10-year effort to modernize the US National Airspace System.

Major Staats received a regular commission as a distinguished graduate of the Air Force Reserve Officer Training Corps in May 1988. Following Undergraduate Space Training, he was assigned to the 3rd Space Operations Squadron at Schriever Air Force Base, Colorado, to control Defense Satellite Communications System (DSCS) III satellites. He successfully commanded 520 command and control missions including his squadron's first DSCS III contingency mission. He concluded his tour as the Executive Officer for the 50th Operations Group and was Schriever Air Force Base's Company Grade Officer of the Year for 1992.

Following graduation from the Air Force Institute of Technology as a distinguished graduate, Major Staats was assigned to the 1st Space Launch Squadron at Cape Canaveral Air Force Station, Florida, as a Delta II Launch Crew Commander. He also served as the project officer for construction of the unit's new \$45M consolidated operations building, co-chairing a 30-member Integrated Product Team. He was the mission commander for the successful Galaxy-IX launch in May 1996. He then led the Delta II Standardization & Evaluation section at the 45th Operations Group. During his three-year tour at the Eastern Range he participated in mission-ready and Standardization & Evaluation oversight duties for 27 space launch campaigns.

Major Staats joined the 576th Flight Test Squadron at Vandenberg Air Force Base, California, in 1998 to perform Minuteman III and Peacekeeper Intercontinental Ballistic Missile Test & Evaluation. He directed the training of test teams for launches and command & control software acceptance testing and supervised the maintenance of four test-configured Missile Alert Facilities. He participated in five Test & Evaluation launch campaigns, including three as Mission Supervisor. He completed his tour at Vandenberg Air Force Base at the 381st Training Group as the Chief, Plans & Programs.

Major Staats assumed his present duties on August 7, 2000. Following graduation in May 2003, he will join the Operational Sciences Department faculty at the Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio.

EDUCATION

2000	Air Command and Staff College (non-resident)
1994	Master of Science in Space Operations, Air Force Institute of Technology, (distinguished graduate)
1993	Squadron Officer School (resident)
1988	Bachelor of Arts in Mathematics, Syracuse University (cum laude)

PUBLICATIONS

H.D. Sherali, R.W. Staats, and A.A. Trani, "Air Airspace Planning and Collaborative Decision Making Model: Part – 1: Probabilistic Conflicts, Workload, and, Equity Considerations," submitted to *Transportation Science*.

H.D. Sherali, R.W. Staats, and A.A. Trani, "Air Airspace Planning and Collaborative Decision Making Model: Part – 2: Data Considerations, Computations, and Applications," in preparation for submission to *Transportation Science*.

PRESENTATIONS

Collaborative Decision Making Enhancements to Airspace Planning Modeling, November 2002, National Center of Excellence in Aviation Operations Research (NEXTOR)-NASA Research Seminar, Moffet Field, CA.

An Airspace Planning and Collaborative Decision-Making Model Under Safety, Workload, and Equity Considerations, June 2002, NEXTOR Research Seminar, University of Maryland, Baltimore, MD.

An Airspace Planning and Collaborative Decision-Making Model Under Safety, Workload, and Equity Considerations, April 2002, INFORMS Student Chapter Seminar, Virginia Polytechnic Institute and State University, Blacksburg, VA.

An Airspace Planning Model Incorporating Uncertainty, November 2001, Federal Aviation Administration Joint Centers of Excellence Annual Meeting, Cincinnati, OH.