

Education

B.A., Psychology, University of Central Florida B.S., Industrial Engineering, University of Central Florida M.S., Industrial Engineering, University of Central Florida

Experience

Over 30 years experience as a corporate officer, manager, senior engineer, and consultant: successfully providing:

- Aerospace & spacecraft solutions
- Integrated workforce quality and productivity management concepts and tools
- HR systems analysis, development and integration
- Business process analysis and reengineering
- Human performance measurement
- Management consulting/counseling
- Automated training systems
- Instructional media development
- Systems engineering and integration
- Website design, implementation, and search engine optimization

- Training requirements analysis, development and delivery
- Human factors research
- User interface design and human factors research
- Design, development, implementation, and conduct of life cycle cost estimation
- Meeting facilitation
- Technical program planning integration
- Executive training/Management simulations
- Industrial automation development and implementation
- Technical research and reporting
- Security analysis and evaluation
- Information analysis and interpretation

Originated and developed concepts for database system deign for life cycle cost estimation systems, multivariate performance measurement and selection methods, cockpit workload assessment systems, and automated training management systems.

Employment History

TrailBlazer Technologies (1990-present/Owner-Consultant)
Mass Dynamix, Inc. (2012-present/Vice-President, Secretary/Treasurer)
Star Mountain, Incorporated (1990-1997/Senior Analyst and Principal Investigator))
Barrios Technologies, Incorporated (1989-1990/Field Office Manager-Senior Project Engineer)
United Airlines Services/FlightSafety Services Corporation (1986-1989/Senior Project Specialist)
Vreuls Research Corporation (1979-1986/Vice President and Senior Scientist)
Canyon Research Group (1974-1980/Region Director and Senior Engineer)
Martin Marietta Corporation, and the State of Florida.

Clients

NASA/MSFC, Air Force Space Command, Rockwell Shuttle Operations Company, Lockheed Space Operations Company, RocketStar, U.S. Department of Transportation, Federal Aviation Administration, Homeland Security Customs and Border Protection, Defense Information Systems Agency, Defense Commissary Agency, Federal Deposit Insurance Corporation, US Forest Service, Defense Acquisition, University, US Marine Corps, National Highway Traffic Safety Administration, AT&T Bell Laboratories, CocaCola Corporation, Florida Department of Law Enforcement, Performtech Inc., Pal-Tech, Inc., Vertex Solutions, Inc., Star Mountain Inc., Abraxas International, National Coal Corp., Litigation Research, Air Force Human Resources Laboratory, Baxter-Travenol Laboratories, Grumman Aerospace Corporation, Sikorsky Aircraft, Naval Training Systems Center, University of Central Florida, General Physics Corporation, SPAR Aerospace Ltd., Eduplus, Ltd., and Appli-Mation.

Publications

Authored over 150 technical reports, journal articles, instructional courses, and professional presentations.