



Kyle T. Snyder
Director, NGAT Center
North Carolina State University
Centennial Campus, Box 8601
Raleigh, NC 27695-8601
919/515-8623 Fax 919/515-8898
Email: kyle_snyder@ncsu.edu

EDUCATION

UNIVERSITY OF TENNESSEE, Knoxville, TN
Aerospace Master of Business Administration, (A-MBA), 2005

UNIVERSITY OF TENNESSEE SPACE INSTITUTE, Tullahoma, TN
M.S., Applied Mathematics, 1998

CATAWBA COLLEGE, Salisbury, NC
B.A., Math and Computer Science, 1996

AUVSI, AIAA, ALEA, NDIA, ASTM F-38
Catawba College Alumni Association Board Member (current)

EXPERIENCE

NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC May 2012- Present
NextGen Air Transportation Center (NGAT) Director, Institute for Transportation Research and Education (ITRE)
Recruited to build the NGAT Center into a transformational program office unifying the aviation modernization efforts across the state of North Carolina. Primarily responsible for coordinating all Unmanned Aircraft Systems (UAS) activities in the state, including military, academic research, and civilian proliferation. Chartered by NCDOT Aviation Division under orders from the Governor's Office, the NGAT Center is providing a central knowledge location for information related to the future of air transportation including UAS and NextGen activities. The NGAT Center provides the structure, processes, and coordination for all UAS operations in the state including university research, public safety, emergency management, and product evaluations.

MIDDLE TENNESSEE STATE UNIVERSITY, Murfreesboro, TN 2011-May 2012
Unmanned Air Systems (UAS) Program Director, Aerospace Department
Chosen to build the UAS Program from scratch as a growth area for MTSU Aerospace Department. Oversaw UAS-related research, curriculum, and strategic partnerships. Awarded nearly \$300,000 in UAS research contracts from DoD, NASA, and private foundation in just 14 months. Focused on UAS research for integration into the National Airspace System, commercialization, and training of the future unmanned systems workforce.

ASSOCIATION for UNMANNED VEHICLE SYSTEMS INTERNATIONAL (AUVSI), Arlington, VA 2009 - 2010
Director of Knowledge Resources
Developed and lead strategies and programs for collecting, analyzing and distributing data about the unmanned systems industry to 6,000+ members in 55 countries globally. Oversaw analysts and provided support to members and the community about unmanned systems technology, applications, market trends, policy and other areas of interest. Coordinated with the Foundation to support education programs, college/university databases, certification and outreach efforts. Transformed lackluster programs into well-attended, revenue generating events that surpassed every program agenda in the organization's history.

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 2007 - 2009
Commercialization Manager - Georgia Small Business Innovative Research (SBIR) Assistance Program
Worked on a team of 4 in the development of comprehensive plans to obtain funding/grants from the federal government to assist small technology firms in areas that included product development and licensing agreements. Headed up select projects for DoD and NASA. Provided market analysis, strategic planning and partnership development support to these small companies.

APPLIED SYSTEMS INTELLIGENCE (ASI), INC., Roswell, GA

2000 - 2007

Knowledge Engineer/Project Manager/Product Manager/ Marketing Manager

Promoted repeatedly over a 7+ year span. As an artificial intelligence Knowledge Engineer, led design activities including domain analysis, knowledge elicitation and initial knowledge representation on multiple projects for entities such as the US Air Force, NASA, Boeing and the US Army. Worked on developing new unmanned aircraft systems including Boeing X-45 J-UCAS, a medevac UAS for the Army and multi-vehicle unmanned system for AFRL- Wright Patterson. Fast tracked to Project Manager position in just 2 years and entrusted to be primary liaison with Boeing and US Air Force.

LOCKHEED MARTIN AERONAUTICAL SYSTEMS, Marietta, GA

1998 - 2000

Business Process Engineer

Named to a select team of experienced engineers and recent graduates for the sole purpose of evaluating and recommending new technologies, processes and business rules to improve production and efficiency of aircraft design, manufacturing, assembly and MRO, including the C-130J and F- 22. Worked with Structural Analysis and Ground and Flight Test Engineering to map processes and identify areas for improvement in engineering practices.

NASA ACADEMY IN AERONAUTICS, NASA DRYDEN FLIGHT RESEARCH, Edwards, CA

1997 - 1998

Research Associate, Academy Director

As an Associate, developed structural dynamics model for predicting limit cycle oscillations in an F-16 wing using wavelet analysis. As Director, oversaw selection and recruitment of new associates, developed summer activity schedule and budget. Led 1998 Academy on visits to NASA leaders and industry giants.

SELECT CAREER HIGHLIGHTS

- Launched the North Carolina UAS Program- starting from no COA experience to first flight in less than 9 months.
- Secured partnership relationship between MTSU Aerospace Department and US Army UAS Program Office in Huntsville to collaborate on UAS education/training and research initiatives. (MTSU)
- Redesigned the annual AUVSI Symposium Program agenda to offer innovative sessions and events with leading industry speakers that increased revenues, offered valuable news to members and boosted the organization's reputation as a leading global source of industry information. (AUVSI)
- Helped 13 small companies win \$4.2+ million in funding and to land contracts with sources such as the Air Force, Army, Navy, National Science Foundation, Department of Energy and NASA. (Georgia Tech)
- Developed a new software application, generated new business through diverse channels and helped the company to earn distinction in the industry. (Applied Systems Intelligence - ASI)
- Led the development of a cockpit associate product for the NASA Small Aircraft Transportation System Program, which culminated into a live demonstration and earned the *2005 NASA Turning Goals into Reality Teamwork Award*.
- Earned Aerospace MBA from University of Tennessee's intensive 1-year executive program while working full-time at ASI.
- Recognized unmanned aircraft systems expert at international events and national publications.