

# JACK BLACKHURST

ASSOCIATE, DAYTON AEROSPACE, INC.

## PROFILE

Senior executive with over 45 years of US Air Force (USAF) experience, including executive leadership and management of complex major research and development (R&D) organizations as well as direction of human systems, space, plans and programs, small business, and domestic and international partnerships. Extensive experience managing USAF science, technology, engineering and math (STEM) programs, USAF small business programs, workforce development/talent management, studies and analyses, and senior mentoring. Proven expertise in program management, technology management, science and technology (S&T) current/future planning, policy development, academic engagement, training programs, future studies, and organizational change and transformation. Skilled speaker; actively engaged in community partnerships and a trusted agent. Senior Executive Service (SES), Department of the Air Force (DAF) and Colonel, USAF (Retired).

## PRINCIPAL AREAS OF EXPERTISE

Science & Technology  
Partnerships

Human Systems  
Workforce Development/  
Talent Management

Technology &  
Experimentation

## WORK HISTORY

**Associate | Dayton Aerospace, Inc.**

**2021-present, Dayton, OH**

Provide executive level advice/support to industry and government in the areas of R&D leadership, management, acquisition strategy development, policy development, academic engagement, technology transition planning, and organizational change and transformation.

**Executive Director | Air Force Research Laboratory (AFRL)**

**2017-2021, WPAFB, OH**

Led USAF single laboratory managing \$6B annual budget and a military/civilian workforce of 6,000 dispersed within the US and overseas locations. Led USAF interface with Congress; the Department of Defense (DOD); other services/agencies; and senior, international industry/university S&T leaders. Was responsible for all personnel management and training of 5,000-person civilian workforce to include all senior executives and led the USAF STEM and small business programs. Supported USAF 2030 study to identify future trends of science and technology resulting in the formation of the AFRL Transformational Capabilities Office (TCO) and development of the WARTECH process which both support the Air Force Warfighting Integration Capability (AFWIC) office. Supported development of a space technology strategy for the newly formed Space Force.

**Director | Plans & Programs, AFRL**

**2013-2017, WPAFB, OH**

Led AFRL's plans and programs function to include the project objective memorandum (POM), international office, capability planning, classified programs, major technology reviews, industry engagement through independent R&D (IRAD) and daily support to the AFRL Commander, Air Force Materiel Command (AFMC), and Secretary of the Air Force-Acquisition (SAF/AQ). Collected USAF and major command (MAJCOM) technology needs, annually assessed AFRL S&T programs against those needs and developed necessary new programs. Managed corporate process, conducted efficiency studies, and developed technical metrics for AFMC and DOD. Provided oversight of all AFRL partnerships.



## DAYTON AEROSPACE

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Dayton, Ohio 45431

**P:** (937) 426.4300

## EDUCATION

**MA, Industrial Psychology**

St Mary's University

**BA, Psychology**

Allegheny College

**Program Management**

Defense Systems Management  
College (DSMC)

**Air War College**

## CERTIFICATIONS & RECOGNITION

**Acquisition Professional  
Development Program (APDP)**

Program Management, Level III  
Science & Technology, Level III

**US Air Force Service Award**

Outstanding Career (2021)

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## WORK HISTORY (CONT'D)

### Director | Human Effectiveness Directorate, AFRL

2008-2013, WPAFB, OH

Led AFRL's Human Effectiveness Directorate to include management of the budget, manpower, and military/civilian workforce. Implemented Base Realignment & Closure (BRAC) 2005 bringing units to the lab from Brooks AFB and Mesa, AZ. Worked with Air Staff and MAJCOMs to focus on priorities in Afghanistan with a technical focus on unmanned aerial vehicle (UAV) capability and special operations. Supported F-22 oxygen supply problem and similar problems with the F-35, as well as the advanced distributed simulation capabilities in the cockpit. Established first DOD Human Systems Community of Interest (COI) which was accepted by DOD and now has 17 tech-focused COIs. Established first National Defense Industrial Association (NDIA) Human Systems Divisions, one of ten NDIA divisions.

### Prior to 2008

- Technical Advisor, Plans and Programs, AFRL, WPAFB, OH
- Space Sector Chief, Plans and Programs, AFRL, WPAFB, OH
- Deputy Assistant Secretary for Science and Technology, SAF/AQR, Pentagon, DC
- Human System Program Element Monitor, SAF/AQT, Pentagon, DC
- Chief, Training Systems Division, Human Systems Center, Brooks AFB, TX
- Chief, Advanced On-the-Job Training System, Human Systems Center, Bergstrom AFB, TX
- Performance Measurement Program, AF/DP, Brooks AFB, TX
- Survey Analyst, AF Manpower and Personnel Center, Randolph AFB, TX
- Chief, Tactical Communications, 509 BMW, Pease AFB, NH

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