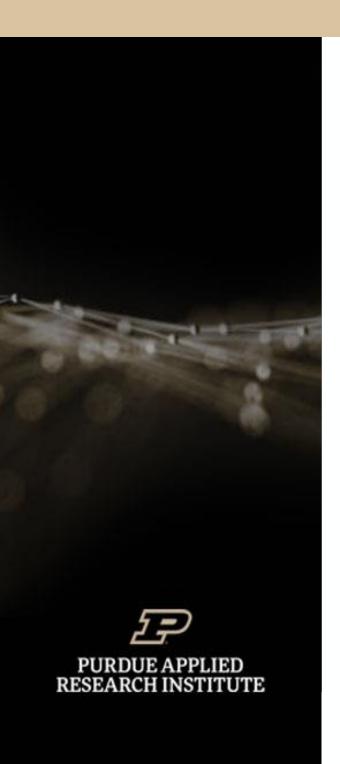
## Dr. Mark Lewis – President and CEO, Purdue Applied Research Institute



### **Previous positions:**

- Founding Executive Director of NDIA's Emerging Technologies Institute,
- Director of Defense Research & Engineering, later acting Deputy Under Secretary (Research & Engineering)
- Director of the IDA Science and Technology Policy Institute
- President of American Institute of Aeronautics and Astronautics
- Chief Scientist of the U.S. Air Force
- University of Maryland
  - Currently Professor Emeritus
  - Willis Young, Jr., Professor and Chair of Aerospace Engineering

### Research background:

- Hypersonic aerodynamics, especially shock and leading-edge physics
- Advanced propulsion and integration
- Vehicle design and optimization
- Gas turbine engines

### **PARI Mission and Goals**



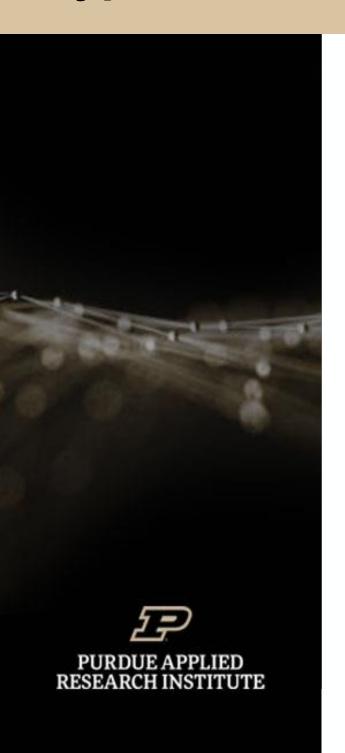
**Mission:** Leverage Purdue's renowned strengths in science and engineering to advance technology and provide innovative solutions that:

- Enhance national security
- Address infrastructure challenges and needs
- Contribute to global food and economic security

#### Goals:

- Sustainability by 2026 (i.e. already 2 years into our 5-year plan)
- Recognized leadership in key areas of hypersonic testing, energetics, infrastructure, secure microelectronics, high temperature materials, and global development
- Functional research enterprise with dedicated staff
- Close relationships with NSWC, AFRL, TRMC, USAID
- Footprint at Crane/Westgate, in addition to campus and HARF

# Hypersonics and Applied Research Facility





Grand Opening Tuesday June 6, 2023