

A Joint Venture of Jacobs Sverdrup, Computer Sciences Corp. and General Physics Corp.

## Dr. P. David Elrod, III



Dr. David Elrod is the general manager of Aerospace Testing Alliance (ATA) – a joint venture between Jacobs Sverdrup, Computer Sciences Corporations (CSC) and General Physics (GP) at the U.S. Air Force’s Arnold Engineering Development Center (AEDC), Arnold Air Force Base, Tenn.

AEDC is the largest complex of test facilities in the U.S. The center operates 58 flight simulation test facilities worth more than \$7.6 billion that can test aircraft, jet engines, missiles and spacecraft under simulated environmental flight conditions, including speeds as fast as Mach 20 and altitudes up to 300 miles. Virtually every high performance aircraft, missile and space launch system in use by the Department of Defense today has been tested in AEDC facilities, as well as all manned NASA systems and many civilian aircraft.

Previously, he served as general manager and chief technical officer of the Jacobs Sverdrup’s AEDC Group. He is also a senior vice president of Jacobs Sverdrup. Prior to that he served as deputy director of the Applied Technology Department at AEDC.

Before joining Sverdrup in October 1995, he was manager of the Applied Technology program for Micro Craft Technology at AEDC where he was responsible for the planning, advocacy and execution of the Aerodynamics technology program, including work in the areas of flow diagnostics, facilities, test techniques and space simulation. He directed technology development activities related to wind tunnels, arc heaters, ranges and space chambers.

His work experience includes non-intrusive flow diagnostics, electro-optic instrumentation systems, microprocessor design and programming, space mission simulation, test project management, facility acquisition program management, team development, and management of technology and organizational change.

### EDUCATION:

- 1977 Bachelor’s degree in Physics, David Lipscomb College, Nashville, Tenn.
- 1988 Master’s degree in Engineering Management, University of Tennessee Space Institute
- 1999 Ph.D in Industrial & Systems Engineering and Engineering Management, University of Alabama

## **MAJOR AWARDS AND DECORATIONS**

Certified Professional Manager, 1988

Recipient of AEDC's first AEDC Quarterly Technical Achievement Award, 1989

Recipient of AEDC's annual Technical Achievement Award, 1989

American Defense Preparedness Association Award as the Air Force Contractor Tester of the Year, 1990

Merrit A. Williamson Award for the best paper of the ASEM National Conference, 1998

Silver Knight Award by National Management Association, 2001

Distinguished Engineering Alumnus, University of Alabama, 2002

## **ACTIVE ORGANIZATIONAL MEMBERSHIPS:**

National Management Association

American Society of Engineering Managers

International Test and Evaluation Association

American Institute of Astronautics & Aeronautics (Member of Management Technical Committee)

Current as of October 2003