Biography/Curriculum Vitae
L.David Montague

Mr. L. David Montague, currently an independent engineering and management consultant, retired in 1996 as President of the Missile Systems Division at Lockheed Missiles and Space Co. and an officer of Lockheed Corporation. The Missile Systems Division is best known for the development, production, and fielding of six generations of US Navy fleet ballistic missile systems.

Mr. Montague, a member of the National Academy of Engineering, has more than 50 years of experience in design, development and management of military weapon systems, particularly strategic and tactical stand off strike weapon systems, and exo and endo-atmospheric defenses for engaging these classes of threat. His experience includes analysis of the requirements, development, and policy issues of strategic forces and defense systems to protect against weapons of mass destruction. It also includes knowledge of the technologies and capabilities for guidance and control, surveillance, threat detection, cueing and targeting.

He was a member and key author for a panel chartered by the American Physical Society to assess the technology and science of Boost Phase Systems for National Missile Defense published in April 2003. He was a key contributor to the 2008 congressionally mandated National Research Council report on Conventional Prompt Global Strike. In 2010 to 2012, Montague chaired a two year National Academies congressionally mandated study of ballistic missile defense options. Its report entitled “Making Sense of Ballistic Missile Defense” was publicly released in September of 2012, with a classified annex.

A mechanical engineering graduate of Cornell University, Dave served in various technical and management assignments in Lockheed's missile and space programs, in guidance and control, systems and project engineering prior to his appointment as Trident C4 Fleet Ballistic Missile System Program Manager. He went on to become Vice President-Tactical and Defense Systems, where he directed Lockheed's efforts that resulted in the first "hit to kill" interception and destruction of an Intercontinental Ballistic Missile reentry vehicle high above the atmosphere in 1984.

Elected President of the Missile Systems Division and an officer of Lockheed Corporation in 1989, Dave was responsible for a 1.5 billion dollar enterprise of approximately 6,000 engineering and manufacturing professionals engaged in development, production and field support for the Trident Fleet Ballistic Missile program. His organization was also responsible for development of defensive Missile Systems, most notably the Theater High Altitude Area Defense System and Lockheed Martin's low-cost Athena space launch vehicle, marine systems programs, and several smart tactical weapons programs.

He is a fellow of the American Institute of Aeronautics and Astronautics, and received that Institute's Missile Systems Award in 1990. He has served on numerous government advisory groups and studies, including the Navy Strategic Systems Steering Task Group, and task forces for both the U.S. Army and the Defense Science Board. He also served three years on the Los Alamos Laboratory Director's Senior Advisory Group, six years on the National Research Council Naval Studies Board, and on a NASA independent review group for Constellation Program management. He is a science and technology affiliate at the Center for International Security Cooperation at Stanford University.

Papers, Publications, and Contributions

- "Design of a Magnetometer Attitude Control System" 1963 AIAA Journal
- "Modest National Missile Defense" 1979 Classified
- "Issues of Exo-atmospheric Homing" Journal of Defense Research 1970 Classified
- Classified paper for the National Research Council Naval Studies Board on the strike options for VLS size weapons circa 1988.
- Classified paper for the Defense Science Board –"The Changing Definition of Strategic Deterrence and Weapons in the Post Soviet Environment" 1990
- Classified papers for Defense Science Board -"Comparison of Strategic force objectives in two limiting Scenarios", "Fast Fliers vs. Slow Fliers"
- Classified Threat Assessment for Soviet depressed trajectory capability1990 for the Defense Science Board.
- Major contributor to NRC/NSB Report on the Assessment of Undersea Weapons Science and Technology 1999 and Naval TMD Capabilities Assessment 2000

- Major Contributor to American Physical Society Report on the Science and Technology of Boost Phase Defense 2003
- Author of Paper entltled “Sustainable Energy – A National and International Security Imperative” presented at Stanford University February 2006 updated 2009
- Author of book on Organizational and Project Management "Restoring Trust" copyright 2001 Available at Amazon

Participation in national boards and studies

- US Army Advanced Ballistic Missile Defense Agency Minuteman Site Defense Study 1970
- National Research Council Navy Studies Board committee on Advanced Weapons Concepts for the 21st Century, circa 1987
- Georgetown CSIS Study on Deterrence and Stability into the 21st Century 1987.
- DSB task force on strategic force Modernization 1988
- DSB Task force - Strategic Forces and Supporting C3I 1990,
- DSB TBMD summer study 1991
- Member Steering Task Group, USN Director Strategic Systems Projects. 1988-1996
- Naval Studies Board Committee to assess Navy Undersea Weapon Science and Technology, 1999,
- Naval Studies Board Committee to assess Navy Theater Missile Defense Capabilities 2000.
- Member of Panel chartered by the American Physical Society to study the technology and science of Boost Phase Systems for National Missile Defense July 2001 to April 2003
- Member Naval Studies Board Committee for The Role of Experimentation in Building Future Naval Forces 2002
- Chaired Naval Studies Board Committee to review ONR Air and Surface Weapons S&T program 2002
- Member Naval Studies Board Committee for Distributed Remote Sensors for Undersea Warfare 2005
- Member of the National Academy study of Conventional Prompt Global Strike mandated by Congress 2007-8
- Lead Co-chair of the National Academy Missile Defense Study mandated by Congress 2010-2012