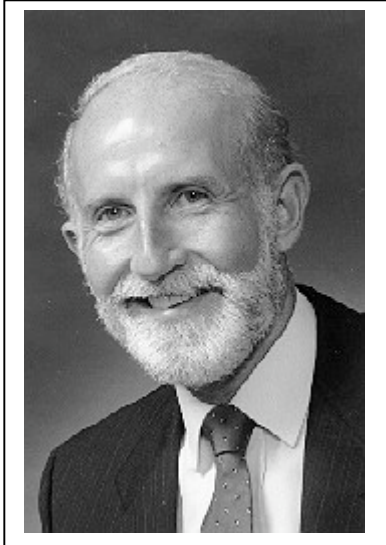


**Thomas L. Moser**

**Education:**

BS, Mechanical Engineering, University of Texas 1961  
MS, Mechanical Engineering, University of Pennsylvania, 1963  
Ph.D. (Candidate), Rice University

**Experience:**

Tom Moser has successfully managed and led aerospace business expansion in the private sector, championed the development of commercial space systems, and managed large complex programs involving advanced state-of-the-art technology with diverse domestic and international participants for the government. He has successfully met or exceeded all goals and objectives for each position for which he held.

As **Vice President of Government Programs for Constellation Services International, Inc. (CSI)** in Woodland Hills, CA, Tom Moser served as the senior manager responsible for providing NASA with the definition of commercial systems for providing cargo services to the International Space Station (ISS).

As **Executive Director of the Texas Aerospace Commission** in Austin, TX from 1998 – 2000, Mr. Moser served as the head of the state agency for developing the aerospace industry in Texas. He identified the opportunity and led the successful program for establishing commercial Spaceport(s) in Texas. Mr. Moser worked directly for Governor George W. Bush and closely with the leadership of the State Legislature.

As **Vice President of Aerospace Systems for Analytic Services Corporation (ANSER)** in Arlington, VA, Mr. Moser directed advanced satellite systems development and operations, as well as the test and evaluation of advanced remote sensors and interceptors for missile defense.

As **Vice President of Business Development for Fairchild Space and Defense Corporation** in Germantown, MD from 1989 – 1994, Mr. Moser managed all aspects of business development and strategic planning for spacecraft, subsystems and technical services. The business has \$100 Million annual sales and 650 employees.

At NASA Headquarters, Washington, D.C. as **Deputy Associate Administrator/Program Director for NASA Office of Space Station** from 1987 – 1989, and as **Deputy Associate Administrator for NASA Office of Space Flight** from 1986 – 1987, Mr. Moser managed all aspects of the international Space Station program including the \$22 Billion development phase involving four NASA Centers, seven prime contractors, and 13 foreign countries. He was General Manager for the Office of Space Flight during the period of recovery from the Shuttle Challenger accident to the return to space flight.

Mr. Moser secured approval and funding for development of the Space Station from NASA, three foreign space agencies, National Academy of Sciences, OMB, the White House, and Congress. He also negotiated international agreements with the space agencies of Europe, Canada and Japan for the development and operation of \$7 Billion worth of space systems. Mr. Moser established the program plan for returning the Shuttle to safe flight status, and managed day-to-day operations involving the NASA Headquarters Office, 4 field centers, a \$3 Billion annual budget, and 10,000 employees.

At the NASA Johnson Space Center, Houston, TX, as **Director of Engineering** from 1983 – 1986, **Deputy Program Manager Space Shuttle Orbiter** from 1982 – 1983, **Chief, Structural**

**Design** from 1972 – 1982), and **Manager, Structure and Thermal Protection Technical Manager for the Apollo Command Module** from 1963 – 1972, Mr. Moser managed all aspects of the organization responsible for the development and engineering operations of manned Spaceflight programs and lead the development of advanced state-of-the-art structural and thermal protection systems for the Apollo and Shuttle Programs.

Mr. Moser led the engineering effort for 18 successful Shuttle flights and the structural and mechanical engineering effort for 17 successful Apollo flights. He also led the structural development and unique qualification for the world's largest and most complex reusable manned spacecraft (Shuttle). Mr. Moser led the recovery effort for developing the structural integrity of the Shuttle/Thermal Protection System (Tiles), and headed the initial failure investigation of the Challenger accident.

#### **Honors, Awards, and Publications:**

Fellow, American Institute of Aeronautics and Astronautics

Fellow, American Astronautical Society

Distinguished Graduate, University of Texas College of Engineering

Distinguished Graduate, University of Texas Department of Mechanical Engineering

Member, International Academy of Astronautics

NASA Medal for Exceptional Leadership

NASA Medal for Exceptional Engineering Achievement

Presidential Rank Award for Meritorious Service

*Reliability Engineering of the Space Shuttle Structure*, 4<sup>th</sup> International Conf. on Structural Safety and Reliability, Kyoto Japan, June, 1985

*Structural Design of the Space Shuttle Orbiter*, NASA -JSC, May, 1985

*Strength Integrity of the Space Shuttle Orbiter Tiles*, AIAA -81-2469

*Space Station Freedom – Technical and Management Challenges*, IAF- 88-053

*Space Exploration and the Benefits to Mankind*, IAF-90-504

*Program Management*, guest lecturer- International Space Univ., 1989

*Evolving Technologies and Engineering*, Texas Prof. Engineer, 8/85

#### **Professional Activities:**

Executive V.P., American Astronautical Society;

Board of Directors, Washington Space Business Roundtable;

Board of Directors, Maryland Space Business Roundtable;

Board of Directors, Reiton Corp.;

Board of Directors, AACE Consulting Engineers;

Board of Directors and V.P. Engineering, ForCast, Inc.;

Civil Space Industry Roundtable, Washington D.C.;

American Society of Mechanical Engineers;

Professional Engineer, State of Texas.

## **Thomas L. (Tom) Moser - Summary of Human Spaceflight Experience**

### **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

Johnson Space Center, Houston, TX

<b>Director of Engineering</b>	1983 - 1986
<b>Deputy Program Manager Space Shuttle Orbiter</b>	1982 - 1983
<b>Chief, Structural Design and Manager for Shuttle Structure and Thermal Protection</b>	1972 - 1982
<b>Technical Manager for Apollo Command Module Structure</b>	1963 - 1972

Managed all aspects of the organization responsible for the development and engineering operations of human Spaceflight programs. Led the development of advanced state-of-the-art structural and thermal protection systems for the Apollo and Shuttle Programs.

Successfully managed and increased efficiency by 30% of the Engineering Directorate including 650 staff, 1300 contract personnel with a \$150 Million annual budget.

Led engineering work for 18 successful Shuttle flights and the structural and mechanical engineering effort for 17 successful Apollo flights.

Led structural development and unique qualification for the world's largest and most complex reusable manned spacecraft (Shuttle).

Led the development of the Shuttle/Thermal Protection System (Tiles).

Led initial failure investigation of the Challenger accident.

Led the structural design and certification of the structural system for the Apollo Command Module and Launch Escape System.

### **NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)**

NASA Headquarters, Washington, DC

<b>Deputy Associate Administrator/Program Director for Space Station</b>	1987 - 1989
<b>Deputy Associate Administrator for Space Flight</b>	1986 - 1987

Managed all aspects of the international Space Station program including the \$22 Billion development phase involving four NASA Centers, seven prime contractors, and 13 foreign countries. General Manager for the Office of Space Flight during the period of recovery from the Shuttle Challenger accident to the return to space flight.

Created a Space Station Program organization in the Washington, DC area with 300 staff and 1200 support contractors.

Secured approval and funding for development of Space Station from NASA, three foreign space agencies, National Academy of Sciences, OMB, the White House, and Congress.

Negotiated international agreements with space agencies of Europe, Canada and Japan for development and operation of \$7 Billion of space systems.

Led the initial development of the Space Station

Established program plan for returning the Shuttle to safe flight status.

Managed day-to-day operations involving the NASA Headquarters Office, 4 field centers, \$3 Billion annual budget, and 10,000 employees.