



R NASA S TELLAR A WARD N OMINEES - L A T E



The Late Career category of Stellar Nominees is for individuals over age 50.

Mr. Gordon F. Allen of Hamilton Sundstrand - Exceptional leadership and technical contributions in systems analysis and performance for the extravehicular mobility unit, shuttle, and *International Space Station (ISS)* environmental and life support (ECLS) system and thermal control systems.

Mr. Eugene J. Beckett of United Space Alliance - Outstanding dedication and extraordinary contributions to the management of human spaceflight from Apollo to Space Shuttle programs

Mr. Terry Boardman of ATK Launch Systems - Lifetime achievement for 30 years of exceptional vision, innovation and dedication in rocket motor technology development and engineering leadership on the Space Shuttle program.

Mr. Dan C Brandenstein of Lockheed Martin - Lifetime contributions to the advancement of space exploration and human space flight, with an outstanding career serving as a naval aviator, astronaut, pilot and commander of four Space Shuttle missions, corporate executive and program manager for the NASA Mission Support Operations Contract, and leading visionary safety advocacy and educational outreach initiatives.

Mr. Glenn M. Ecord of NASA Johnson Space Center (JSC) - Setting up fracture control methodology for human spaceflight hardware that has allowed for the improved design of space vehicles and components and is utilized internationally.

Mr. David A. Fox of Hamilton Sundstrand - Innovation in the design and development of efficient electrical converters and switchgear for power management and distribution on the Space Shuttle orbiter and *ISS*, and now on the Orion crew exploration vehicle electrical system.

Mr. John E. Hutchins of United Space Alliance - Outstanding navigation expertise and leadership for the Shuttle and Apollo programs for over 40 years in critical navigation onboard computer flight software and for the Global Positioning System Navigation project.

Mr. Kauser Imtiaz of The Boeing Company - Broad knowledge in the area of structural analysis and use of that knowledge and experience to resolve a variety of complex structural integrity issues

Mr. Paul T. Johnson of The Boeing Company - Serving in a principal role as the designated *ISS* representative to the Payload Safety Review Panel and for leading the development of the standards by which the panel evaluates payloads controls for fire safety.

Mr. Ferdinand P. Jones of Pratt & Whitney Rocketdyne - Exceptional contributions in the development of advanced health management, support of launch operations and leadership in

flight, and test and integration of the Space Shuttle main engines to ensure flight safety and mission success.

Mr. James W. Kennedy of NASA Kennedy Space Center - Outstanding leadership and technical direction of NASA's pioneering space endeavors and the Vision for Space Exploration (VSE).

Dr. Steven L. Koontz of NASA JSC - Significant achievements in flight systems environments and their effect on materials and spacecraft.

Mr. Tommie C. Lacefield of Lockheed Martin Space Systems - Demonstrated excellence in furthering the future of space throughout a career at the Navy, NASA, and most recently as Lockheed Martin Project Orion Program Manager.

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FOUNDATIONS OF MISSION CONTROL*

To instill within ourselves these qualities essential for professional excellence:

Discipline, being able to follow as well as lead, knowing that we must master ourselves before we can master our task.

Competence, there being no substitute for total preparation and complete dedication, for space will not tolerate the careless or indifferent.

Confidence, believing in ourselves as well as others, knowing that we must master fear and hesitation before we can succeed.

Responsibility, realizing that it cannot be shifted to others, for it belongs to each of us; we must answer for what we do, or fail to do.

Toughness, taking a stand when we must; to try again, and again even if it means following a more difficult path.

Teamwork, respecting and utilizing the ability of others, realizing that we work toward a common goal, for success depends on the efforts of all.

To always be aware that suddenly and unexpectedly we may find ourselves in a role where our performance has ultimate consequences.

To recognize that the greatest error is not to have tried and failed, but that in trying, we did not give it our best effort.

*Kranz, Gene, *Failure is Not an Option*, New York: Simon & Schuster, 2000.

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Dr. Chiu-Wing Lam of Wyle Laboratories - Significant contributions to inhalation toxicology research, including landmark work in nanomaterial toxicity and current work in lunar dust exposure, which is fundamental to astronaut health and safety by establishing exposure limits for contaminants in spacecraft atmospheres and for lunar and Mars surface operations.

Mr. Jack D. Leavitt of ATK Launch Systems - Lifetime achievement for 30 years of leadership in the manufacture of Space Shuttle reusable solid rocket motors, ensuring safe operations while producing the highest quality components meeting all customer requirements.

Mr. William S. Mitchell of Pratt & Whitney Rocketdyne - Outstanding technical excellence and leadership throughout design, development, and flight support of the Space Shuttle main engine alternate turbopumps.

Mr. Duc G. Nguyen of Pratt & Whitney Rocketdyne - Decades of outstanding propulsion system modeling and optimization including the orbit transfer vehicle engine, national launch system engines, X-33 aerospike, and the VSE J-2X engine.

Mr. Paul W. Phillips of the United States Air Force - Over two decades of innovative hypersonic flight test and analysis, from the Space Shuttle to the X-37B, while mentoring generations of new flight testers.

Mr. Brian G. Russell of ATK Launch Systems - Lifetime achievement in technical and operational leadership roles supporting solid rocket motor (SRM) and reusable SRM over a 29 year time span from the inception of the Space Shuttle program.

Mr. Robert T. Savely of NASA JSC - Extended, exemplary career advancing technology and furthering NASA's critical interests in software, robotics, and navigation systems, affecting space missions from Apollo through the return to the Moon.

Mr. Gerald D. Sheehan of The Boeing Company - Valuable and critical contributions to the sustaining engineering and modification support of the Space Shuttle orbiter since STS-1.

Mr. James R. Stephens of NASA Marshall Space Flight Center - Significant contributions in the area of thermal vacuum and simulated space environmental testing that addresses the performance characteristics of hardware and systems in the harsh environments of space.

Mr. Lawrence G. Tanner of Pratt & Whitney Rocketdyne - Outstanding technical excellence and partnership with Russian counterparts throughout development, production, and flight support of the RD-180 booster engine for the Atlas launch vehicle.

Mr. Wayne H. Tuttle of Hamilton Sundstrand Space, Land & Sea Long Beach - Significant technical achievements and quality assurance in support of welding applications for critical space flight hardware.

Mr. Sagar N. Vidyasagar of Lockheed Martin - Over 30 years of outstanding technical leadership contributions to human space flight, including the Space Shuttle and *ISS*, in the field of engineering analysis.

Mr. Jerald Warren of The Boeing Company - Outstanding leadership in addressing technical issues associated with Space Shuttle orbiter structural systems.

Mr. Dennis J. Webb of NASA JSC - Exceptional level of initiative and leadership over many years while effectively and efficiently applying mission operations core competencies in defining operations concepts, requirements management, and technical approaches during the formulation and development stages of the *International Space Station* and Constellation programs.

Mr. Walter V. Wood of United Space Alliance - Outstanding support to the safe and successful Space Shuttle return to flight. ☐

