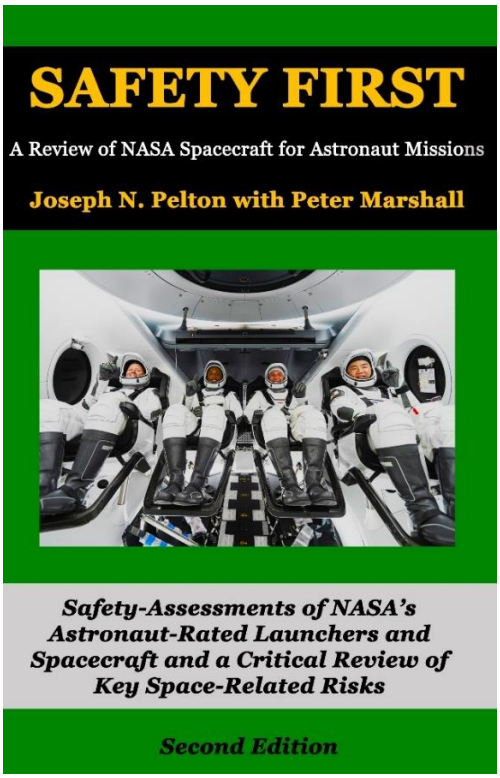
Four Books Authored by Joseph Pelton and Peter Marshall in the Last 3 Years under Grants from the Space Shuttle Childrens' Trust Fund

Here are the latest books prepared for the Trust Fund that were undertaken to review NASA astronaut exploration programs and the safety of its launchers and crew capsules. The Safety First book has just been reissued as a 2nd edition with latest updates. The Gateway Lunar Space Station, Twentieth Century Space Stations, and Safety on the Moon series are also available on line at Amazon.com.



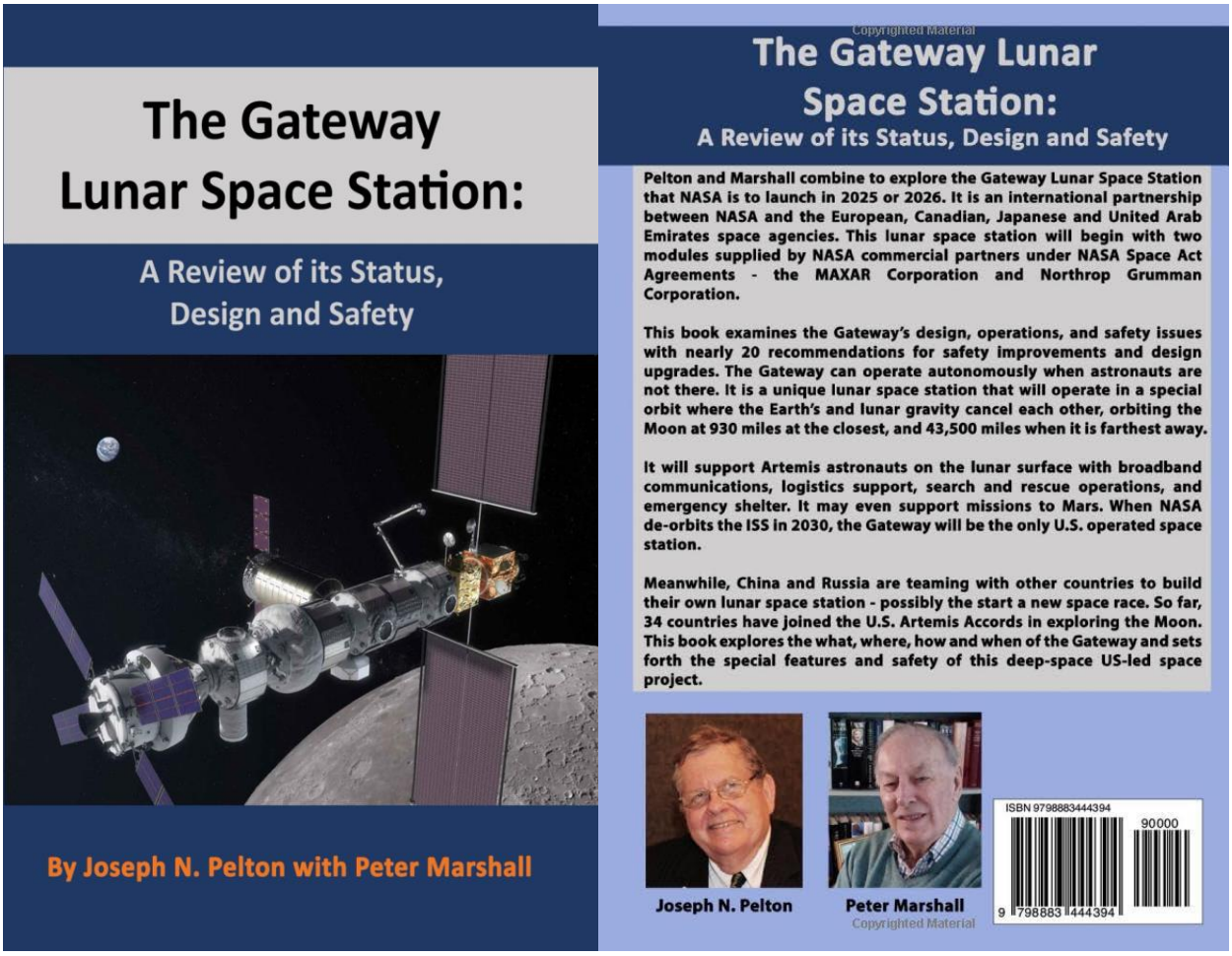
The newly issued second edition reviews the safety issues and status of the Space Launch System vehicle, the Orion Crew Exploration Vehicle, the SpaceX Cargo and Crew Dragon Capsule, the Sierra Nevada Dreamchaser, the Boeing Starliner, the various SpaceX launcher systems—including the Starship - and the transition from the Atlas-Centaur to the new Vulcan launcher. The development of current launch systems for the US has been significantly impacted by innovations that have come from so-called "NewSpace" companies and thus there are number of profiles provided for companies such as SpaceX, Sierra Nevada, Axiom Space and others. This new book is available on line from Amazon for $16.95 or as a Kindle e-book for $9.95.

https://www.amazon.de/Safety-First-2nd-Spacecraft-Astronaut-ebook/dp/B0D8G7QYDB

Joseph N. Pelton with Peter Marshall "The Gateway Lunar Space Station: New Approaches to Space Safety" (2024) $17.95

This book explores the Gatelway Lunar Space Station that is to be deployed in a special orbit so it can see the lunar surface from the North to the South Poles. This international space station will be NASA's only facility in space after 2030 when the ISS is deorbited and NASA will be depending on commercially operated space stations in low Earth orbit for research activities. $14.95

https://www.amazon.com/21st-Century-Space-Stations-Approaches/dp/B0B2TF62PN



There will have been over 30 years of experience with NASA sustaining astronauts safely onboard the ISS when this giant facility is deorbited in 2030. Instead of building a giant new space station, NASA plans to be the anchor tenant in two commercial space stations. The challenge of private companies designing, manufacturing, deploying and safely operating space stations is explored in this book. The greatest challenge may well be to provide safe long-term operation of these facilities that will include many innovations such as inflatable modules, and operations that are commercially supported in large part by visiting space tourists in addition to NASA astronauts.

Joseph N. Pelton with Peter Marshall "21st Century Space Stations" $14.95 softcover (2022)

https://www.amazon.com/21st-Century-Space-Stations-Approaches/dp/B0B2TF62PN

The Artemis Program seeks to go back to the Moon on a long-term basis at a location difficult to reach and communicate with at the planned base camp at the extreme South Pole location of the Moon. This mission will involve seeking to locate significant amounts of frozen water and volatiles. It also involves developing a wide range of technologies in terms of operating new launchers and crew exploration vehicles safely, operating a remote space station in lunar orbit, creating a lunar home base, operating advanced robotic systems, developing new space suit systems, and more. This book completes the sequence of studies commissioned by the SSC Trust Fund to assess NASA astronaut launchers and exploration vehicles, space station plans and operations, and many innovative systems to support space explorations over the next decade and beyond.

Joseph N. Pelton with Peter Marshal "Safety on the Moon" $17.95 softcover and $9.95 Kindle (2023)

https://www.amazon.com/Safety-Moon-Artemis-Exploration-Program/dp/B0C2SFPPPZ