

Biography

Patrick A. Troutman graduated in 1984 from the Virginia Polytechnic Institute and State University with a BS in Aerospace & Oceanographic Engineering along with a minor in Computer Science. Since this time he has worked for NASA LaRC as a contractor and a civil servant developing and utilizing analyses capabilities in support of space system studies, leading several space station redesign and risk mitigation studies, and leading systems analysis related to future space scenarios including managing the NASA Revolutionary Aerospace Systems Concepts (RASC) program. He also led studies for NASA that led to recommendations for future human exploration scenarios in the 2015 era that were eventually incorporated into the Vision for Space Exploration. During the NASA Constellation program he developed several lunar surface exploration architectures that became the basis of the International Space Exploration Coordination Group (ISECG) lunar exploration architecture. Mr. Troutman currently serves as the lead for human exploration architecture integration for the NASA Human Spaceflight Architecture Team (HAT) and as the human exploration strategic analysis lead at Langley. His current efforts include what the next set of activities for humans should be beyond the international space station, and how those missions will prepare the world for an eventual mission to Mars.