

Douglas N. Wells

Mr. Douglas Wells is a structural materials engineer in the Materials and Processes Laboratory at the NASA Marshall Space Flight Center and serves as a deputy Technical Fellow for Materials for the NASA Engineering and Safety Center. Doug has thirty years of experience in fatigue, damage tolerance, and fracture control of flight structures. For the past nine years, he has focused on developing methodologies for the qualification and certification of additively manufactured spaceflight hardware, including the development of the NASA standards that establish requirements for incorporating additively manufactured hardware into flight vehicles for NASA and its commercial partners. In addition to standards development for NASA, Doug is actively engaged with the broader international standards community working in additive manufacturing, including ASTM and SAE. Currently, much of his time is spent on the interpretation of certification requirements for additively manufactured hardware on a variety of NASA missions. Doug came to NASA following his Bachelor of Science degree in Aerospace Engineering at Virginia Tech and also holds a Master of Science in Mechanical Engineering from Stanford University.