

**Koorosh R. Araghi**  
NASA Mechanical Engineer and Project Manager



Mr. Araghi has been working at NASA Johnson Space Center full time since 1997, in the Propulsion and Power Division. He has been serving as NASA Johnson Space Center In-Situ Resource Utilization (ISRU) manager since 2016 and Advanced Energy Storage Principal Investigator since 2013. He was appointed in 2014 as Deputy Project Manager for NASA Next Generation Life Support. He appointed in 2015 by NASA Engineering Safety Center and selected by Federal Aviation Administration Aviation Rulemaking Committee to serve as Fuel cell technology expert. Mr. Araghi has been serving as Technology and Project Manager for Space Power Systems and Life Support applications since 2010. He served as NASA Space Shuttle Fuel Cell and Cryogenic Storage subsystem manager for 24 flights, from STS-114 through the retirement phase of the space shuttle program. He worked on Solid Oxide Electrolysis (SOE) technologies for ISRU and life support applications since 1991. He has served as project manager and PI for development, testing and integration of several end –to-end power and electrolysis systems for ground demonstrations, and mission architecture studies.

Mr. Araghi is a Mechanical engineer with a strong background in Electrochemistry (University of Arizona, B.S. and Graduate Study) and has served in both leadership, technical and research positions during his 12 years of NASA service, 6 years of Lockheed Martin service and 5 years as a researcher at the University of Arizona. He has provided program and technology leadership for the Space Shuttle Alkaline Fuel Cell, the Proton Exchange Membrane, Solid Oxide fuel cell and electrolysis technologies since 2001. His SOE research was selected in 1997 for MARS 2001 ISRU mission to demonstrate oxygen production from Martian atmosphere. He has received many awards i.e. 2009 JSC Center Director Commendation, 2010 Certificate of Recognition from NASA HQ office of Exploration Technology Development Program, 2010 Space Shuttle Silver SNOOPY, NASA Group Achievement Award from former NASA Administrator Mr. Michael Griffin and many other individual/group achievement awards.