My NASA Data - STEM Career Connections

Meet Dr. Jessica Marquez, Space Human Factors Engineer

Job Title

Space Human Factors Engineer

Bio

Since 2007, Dr. Marquez has been working at the NASA Ames Research Center within the Human Systems Integration Division. As part of the Human-Computer Interaction Group, she has supported the development and deployment of various instances of SPIFe (Scheduling & Planning Interface For exploration), the planning and scheduling software tool for several space missions. She has specifically led the PLATO and Score projects for mission control operators of the International Space Station. She is now part of the team that develops Playbook, a mobile timeline viewer and execution software tool. Dr. Marquez is also the current Discipline Scientist for the Human Research Program. Her expertise guides the research direction for the Risk of Inadequate Design of Human and Automation/Robotics Integration.

Her previous projects at NASA include work with training simulators, human spaceflight mission safety/assurance systems, and informal education human spaceflight outreach.

Her Story

Review the Career Girls' interview with Jessica Marquez, a Space Human Factors Engineer at NASA Ames Research Center in California. Jessica shares information about her job is to build tools and software that help people do their jobs in space operations. Jessica includes her background as a child and her education where she always liked math and science. She talks about her love of engineering because she gets to use her creativity while helping to build cool things that are useful in space.
Work Description