

Donna Fender

TITLE: Project Manager, The TransHab Project Office

BIRTHPLACE AND DATE: Decatur, Alabama; August 7, 1965.

EDUCATION: Graduated from Decatur High School, Decatur, Alabama, in 1983; received a Bachelor of Science degree in Aerospace and Astronautical Engineering, University of Alabama, 1988.

RESIDENCE: Clear Lake City, Texas.

MARITAL STATUS: Married to Garry Fender of Foley, Alabama.

CHILDREN: Christopher, July 1991; and Elizabeth, October 1996.

SPECIAL HONORS AND AWARDS: Rotary National Award for Space Achievement (RNASA) Stellar Award (both the individual award and team award for TransHab), 1999. JSC Certificate of Commendation, Special Recognition Award, 1998. NASA Source Evaluation Board Award, 1997. JSC Certificate of Commendation as Director of the Thermal/Vacuum Testing of Flight Hardware and EVA Tools for STS-37, STS-61, and STS-64, 1994. Manned Flight Awareness Honor, 1993. The Silver Snoopy Award, 1991.

TECHNICAL PAPERS: "Manned Testing in a Simulated Space Environment," 1993. Presented at the European Space Agency Conference on Space Simulation Testing in Noordwijk, The Netherlands.

EXPERIENCE:

1994-1997 Deputy Branch Chief of Systems Test Branch. Special Assistant to Director of Engineering(rotation).

1994 Project Manager for EHT 2 (20 ft. chamber advanced ECLSS test).

1988-1994 Test Director/Test Manager for Space Simulation Testing. Ms. Fender currently serves as the Project Manager of the TransHab, an inflatable habitation module for multiple space applications (ISS, Mars,...). In this capacity she is responsible for leading a group of civil servants and contractors in the highly successful demonstration of the inflatable habitation module technology as shown in the 1998 Structural Development Unit series, also in the feasibility study as the ISS habitation module, and project development for the flight TransHab module as an integrated element to ISS as the habitation module. The TransHab project team members are from across the engineering directorate, JSC directorates and programs, and other international partners. The project includes the management, the development, design, manufacturing, qualification, and delivery of the structure along with the avionics, ECLSS, utilities, crew habitation outfitting, and all proper interfacing with the station. Ms. Fender is a recognized expert in building and integrating systems for test(internationally recognized in hazardous testing in space simulation chambers, particularly human rated testing and working with anhydrous ammonia).