



## FELLOW PROFILE

### Stephen C. Merriman



**Degrees:** BA, MA

**Current status:** Fellow

**Biography:** My first professional job was as an intern with the Naval Air Systems Command. I spent 15 years there learning crew station integration principles and human factors engineering. I led crew station integration and human factors engineering on more than 65 important acquisition programs (e.g., F/A-18 Hornet, AV-8B Advanced Harrier, T-45 Goshawk, F-14D Tomcat) and had the opportunity to impact crew station design and human factors engineering standards. I authored or co-authored the majority of DoD HFE and HSI requirements. I have worked multiple programs in research, development, production, and sustainment. I have supported major programs with the Army, Navy, USMC, Air Force and NASA over a 50-year career with government and industry. I am an HFES Fellow, AsMA Associate Fellow, Boeing Associate Technical Fellow (retired), member of the USAF Scientific Advisory Board, member of the National Academies Panel on Human Factors Science, Chair of the SAE International G-45 Human Systems Integration committee, member of the SAFE Association board of directors and a director of the local HFES chapter in Dallas, TX.

## **Employment History**

- Engineering Psychologist and Acting Head, NAVAIR Crew Station Design and Human Factors Engineering Branch
- Head, Naval Air Development Center Applications Branch, Crew Systems Division
- Deputy Department Head (Design), McDonnell Douglas Corporation
- Human Systems Integration Lead, Army Future Combat Systems Program, Boeing
- User Interface and Human Factors Lead, Navy LSRS and AAS programs, Boeing

## **What were your significant contributions to the field?**

Authored or co-authored all human engineering and human systems engineering (HSI) data item descriptions (in force for 40+ YEARS). Co-authored and/or contributed to all DoD human engineering and HSI standards. Contributing as a member of the USAF Scientific Advisory Board and National Academies Panel on Human Factors Science. Made major contributions to Army, Navy, Air Force and industry human systems integration policies, requirements and management processes.

## **Have you received any notable awards or recognition during your career?**

- 1988 NASA Letter of Appreciation for participation in the Rogers Commission Space Shuttle Challenger Investigation and Crew Escape Study
- 1996 Department of Defense Human Factors Engineering Technical Advisory Group Murray Award for significant sustained personal contributions to the DoD HFE Technical Advisory Group
- 2006 US Army MANPRINT Practitioner of the Year
- 2011 Designated a Boeing Associate Technical Fellow in Human Systems Integration
- 2012 Designated a Fellow of the International Human Factors and Ergonomics Society (HFES)
- 2012 Designated an Associate Fellow of the Aerospace Medical Association (AsMA)
- 2015-2018 Member of the US Air Force Scientific Advisory Board (FY15 - FY18)
- 2015 Sole Recipient of SAE International Aerospace Council James M. Crawford Technical Standards Board Outstanding Achievement Award
- 2015 Member of the National Academies Panel on Human Factors Science at the Army Research Laboratory (2015–2016)

## **What advice would you give someone considering HF/E as a profession?**

Go for long-term positive impact! Make your contributions impact not only your current program, but also programs in the future.