



# **DoD HFE TAG #76** **22-26 April 2024**



## **Call for Abstracts**

### **Department of Defense** **Human Factors Engineering Technical Advisory Group**

**NASA will host TAG #76 at the Marshall Space Flight Center in Huntsville, AL**

#### ***Balancing Risk and Performance***

The goal of human factors engineering has long been to design systems by taking into consideration the respective strengths and limitations of the human and its “machine” counterpart, assigning tasks accordingly, culminating in a system that operates at its optimum capability. While optimum performance is the goal, the reality of system development typically dictates a set of tradeoffs to achieve system fielding in a timely, cost-efficient manner. These tradeoffs will likely result in a system that is sub-optimal in performance and perhaps poses some amount of risk to, or caused by, the humans in the loop, but ultimately helps meet a critical capability gap.

In a human factors engineering utopia, there would be plenty of money, unlimited time and resources to conduct tests and experiments, and customers with never-ending patience. But, until such a place on Earth comes to be, human factors engineers will find themselves playing an active role in the design tradeoff process, advocating for the human, yet having to balance various risks with overall system performance.

For TAG 76, we encourage submissions that focus on the delicate balance between risk and system performance. These might discuss novel group decision making strategies, tradeoff analyses, experimentation, modeling and simulations, along with their results and lessons learned. How can human factors engineers adjust their work to deliver actionable products at the pace of operations? We hope this year’s meeting will stimulate discussion around roles and strategies for human factors engineering work in complex systems.

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**Abstracts due: 15 March | Notification of acceptance: 22 March | Final presentation due: 12 April**

**Distribution A is required for all abstracts, and is strongly recommended for TAG presentations. See form for submission instructions.**

**For more information, visit [DoD HFE TAG website](#) & social media**



# DoD HFE TAG #76 Abstract Submission Form

**Email completed form and abstract by 15 March to:**  
**[osd.pentagon.ousd-r-e.mbx.hfe-tag@mail.mil](mailto:osd.pentagon.ousd-r-e.mbx.hfe-tag@mail.mil)**

## Presenter

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Job Title: \_\_\_\_\_

Job Type: ☐ Government ☐ Contractor ☐ Academic ☐ Other \_\_\_\_\_

Email: \_\_\_\_\_

## Submission

Title: \_\_\_\_\_

SubTAG : \_\_\_\_\_ (Descriptions found [here](#))

Type: ☐ Presentation ☐ Poster ☐ Panel ☐ Training ☐ Workshop ☐ Other

Scope: ☐ Basic Research ☐ Applied Research ☐ Programmatic ☐ Review/Position/Other

**NOTICE:** In order to attend TAG, non-government employees who are not already TS/I accredited representatives must have a TAG affiliated, government sponsor. Please indicate below. If accepted and not sponsored, the TAG Vice Chair will work with you to secure sponsorship.

☐ I have a sponsor ☐ I do not have a sponsor

Sponsor Name: \_\_\_\_\_ Sponsor Email: \_\_\_\_\_

Select one SubTAG for submission (<https://rt.cto.mil/ddre-rt/dd-rtl/hfetag/subtags/>):

- |  |   |
|--|---|
| <input type="checkbox"/> Cognitive Readiness           | <input type="checkbox"/> Modeling & Simulation                        |
| <input type="checkbox"/> Controls & Displays           | <input type="checkbox"/> Personnel                                    |
| <input type="checkbox"/> Cyber Security                | <input type="checkbox"/> Standardization                              |
| <input type="checkbox"/> Design: Tools & Techniques    | <input type="checkbox"/> Sustained Operations                         |
| <input type="checkbox"/> Extreme Environments          | <input type="checkbox"/> System Safety, Health Hazards, Survivability |
| <input type="checkbox"/> Healthcare Human Factors      | <input type="checkbox"/> Technical Society/Industry                   |
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| <input type="checkbox"/> MBSE and HSI                  | <input type="checkbox"/> Trust in Autonomy                            |
| <input type="checkbox"/> Mixed Reality                 |   |

**Abstract (~300 words)**

Abstracts must be Distribution A. Please contact the TAG Chair at [daniel.mountjoy@us.af.mil](mailto:daniel.mountjoy@us.af.mil) with any concerns.