



EVA Technology Workshop

October 17-19, 2017

hosted by the NASA Johnson Space Center
sponsored by UTC Aerospace Systems

Are you developing EVA technologies?

Are you looking for opportunities to collaborate on new EVA technology development?

The Technology Collaboration Center is holding a 3 day EVA Technology Workshop, hosted by NASA Johnson Space Center, on October 17 to 19. At this NASA workshop, attendees will learn about NASA's latest plans for deep space exploration and next generation EVA (extravehicular activity/spacesuit) technologies.

On Day 1, presentations will provide an overview of NASA's deep space exploration plans and their needs for next generation EVA technologies.



On Day 2, in parallel technical track sessions on key technology areas, attendees will participate in interactive sessions to explore each of the technology areas.

On Day 3, the Day 2 technical session discussions will be summarized, with NASA presentations on the opportunities for collaboration with NASA on new EVA technology developments and projects, along with an Industry Round Robin session over lunch. During the afternoon, attendees will be able to pre-schedule one-on-one meetings with NASA to explore potential collaborations and partnerships related to EVA technology.

Any organization with an interest in EVA or EVA-related technologies is encouraged to participate in this event and learn about NASA's next generation EVA needs and opportunities to work with NASA.

Registration for this event is through the TCC's EVA Technology Workshop registration page. Event tickets are \$100. TCC Members and members of the JSC Community (with an active NASA e-mail account) are eligible for \$50 member tickets (through October 12). NASA civil servants may be eligible for NASA pre-paid tickets.

Please contact the TCC at 281-969-7801 for more information on event sponsorship opportunities.

Event sponsors:

- Diamond: UTC Aerospace Systems
- Platinum: SGT, Inc.
- Gold: Sophic Synergistics
- Silver: The Aerospace Corporation
Oceaneering Space Systems

PRELIMINARY AGENDA

Tuesday, October 17:

- 8:00 - Networking Breakfast
- 8:30 - Welcome
- 8:45 - Guest Speaker
- 9:05 - Overview of EVA Architecture and Concept Operations
- 9:40 - Deep Space Gateway Mission & Stack Architecture
- 10:15 - Deep Space Transport & Mars Mission Architecture
- 10:45 - Networking Break
- 11:00 - EVA Exploration Airlock
- 11:35 - FY18 Habitat Testing
- 12:05 - Lunch
- 1:00 - Science & Exploration Analogs (NEEMO, HMP, ISRU)
- 2:05 - EVA Human Health & Performance
- 3:10 - xEMU Lite Plan and Status
- 4:15 - Closing Remarks
- 4:30 - Networking Event
- 7:00 - Adjourn

Wednesday, October 18:

- 8:00 - Networking Breakfast
- 8:30 - Welcome
- 8:45 - Guest Speaker
- 9:15 - Morning Parallel Technical Track Sessions:
 - > Suit Hardware
 - > Operations
 - > Human Health & Performance
- 12:25 - Lunch
- 1:15 - Afternoon Parallel Technical Track Sessions:
 - > Suit Hardware
 - > Operations
 - > Splinter Collaborations
- 3:55 - Intellectual Property Rights & Data Rights
- 4:35 - Closing Remarks
- 4:45 - Adjourn

Thursday, October 19:

- 7:45 - Networking Breakfast
- 8:00 - Welcome
- 8:15 - Summary of Technical Track Discussions
- 8:50 - Identifying NASA Technical Needs & Opportunities:
 - TA Roadmap Links to SBIR/STTR
- 9:25 - Accessing & Sharing EVA Human Research & Medical Data
- 10:00 - Beyond the Technical Team
- 10:30 - Networking Break / Pick Up Lunches
- 10:45 - Industry Round Robin
- 1:00 - Closing Remarks
- 1:30 - Pre-Scheduled One-on-One Meetings with NASA
- 5:00 - Adjourn

