



Wearable Technologies Workshop

April 23 & 24, 2018

NASA Johnson Space Center, Houston

Are you developing wearable technologies or solutions?

Are you looking for wearable technologies-related solutions or collaboration partners?

The Technology Collaboration Center will hold a two day workshop on Wearable Technologies on April 23-24, 2018, at the NASA Johnson Space Center, Houston.

This event will bring together organizations needing or developing new wearable technologies, in a format providing an opportunity for participants to network and explore potential partnerships.

April 23 - Challenge Day

13 real-world challenges have been submitted by NASA Johnson Space Center, KBRWyle, Kimberly-Clark and Red Wing Shoes. 22 university student and startup teams will present their proof-of-concept prototypes.

April 24 - Presentation Day

There will be presentations on the latest wearable technology developments or unmet challenges related to wearables.

If your organization is interested in wearable technologies, please visit the TCC's website to [register for the workshop](#), or to [request an opportunity to make a presentation](#).

Tickets for the workshop are \$150; single day tickets are \$50 (April 23) and \$100 (April 24). TCC Members get a 50% discount. TCC Memberships can be purchased for \$175, which includes tickets for the entire workshop.

Details on the workshop, including the agenda, presenters, and workshop location will be provided to registered attendees.

The TCC is also now accepting Collaboration Requests related to wearable technologies. Requests submitted in conjunction with the workshop will be highlighted at the workshop and the TCC's website. The TCC waives Collaboration Concierge Service program fees for requests submitted in conjunction with a workshop (potentially a \$21,000 savings).

PRELIMINARY AGENDA

April 23 – Challenge Day

8:00 Networking Breakfast
8:30 Welcome & Announcements
8:45 Challenge Team Presentations
10:15 Networking Break
10:30 Challenge Team Presentations
12:00 Lunch
12:30 Challenge Team Showcase
2:00 NASA & Industry Speakers
4:00 Adjourn

April 24 - Presentations

8:00 Networking Breakfast
8:30 Welcome & Announcements
8:45 Presentation Panel Session 1
10:15 Networking Break
10:30 Presentation Panel Session 2
12:00 Lunch
12:30 TCC Overview
12:45 Presentation Panel Session 3
2:15 Networking Break
2:30 Presentation Panel Session 4
4:00 Adjourn

SCHEDULED PRESENTATIONS (as of March 6)

Aexa Aerospace (TCC Member):
XR Technology for Training

Baylor College of Medicine (TCC Member):
Monitoring Instrumented Daily Living Activities in People with Dementia
Wearable Sensors to Evaluate Perioperative Decision in Frail Older Adults

Blumio (Challenge Team):
Cuffless Blood Pressure Monitoring with Novel, Wearable RF-Based Sensor

KBRWyle (TCC Member):
Multi-sensor Spacecraft Crew Device in a Smart Watch Form Factor

NASA Johnson Space Center (TCC Member):
Exercise and Environmental Wearable Possibilities on ISS
Spacecraft Operational Considerations for Human Performance and Wearables
Technical Challenges for Deep Space Exploration
Wearable Technologies at NASA JSC

Isansys LifeCare:
Wearable Real-Time Vital Sign Monitoring Systems

Rice University (TCC Member):
Applying Deep Space Exploration Challenges for Terrestrial Applications

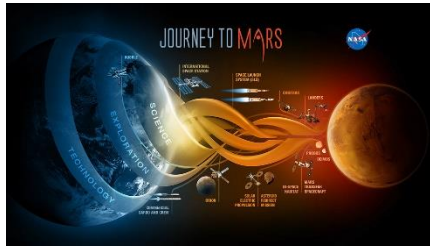
Somatic Labs (Challenge Team):
Designing a Vocabulary of Touch

Texas A&M University (TCC Member, Challenge Team):
Wearable Physiological Sensors for Precision Medicine

University of Texas at Austin:
The Most Intimate and Imperceptible Wearables - the E-Tattoos

Additional presentations will be announced later. Anyone can request to make a presentation on their latest wearable technology developments or challenges.

About the Technology Collaboration Center



The Technology Collaboration Center, an independent 501c3 non-profit, is a partnership between the NASA Johnson Space Center, industry and universities, with the mission of solving difficult technology problems through innovative solutions connecting collaboration partners across technology sectors.

Workshops: A series of workshops assembling organizations from diverse fields to explore opportunities for solving difficult problems through new joint development partnerships, with a focus on strategic technology areas. Any organization can attend TCC workshops or request to make a presentation related to the workshop's topic area. The TCC also partners with other organizations on events related to potential collaborations for solving technology challenges.

- 2018 Workshops:
 - April 23 & 24: Wearable Technologies, NASA Johnson Space Center, Houston
 - May 22: Augmented Reality & Virtual Reality, hosted by Schlumberger, Houston
 - June 5 & 6: Additive Manufacturing & Carbon Materials, hosted by Rice University, Houston
 - August: Air Quality & Carbon Technologies
 - September: Microbiome
 - October: 2 day Automation, Artificial Intelligence & Robotics
 - November: 2 day Autonomous Medicine & Telemedicine
- 2019 Workshops:
 - January: 2 day Internet of Things & Cybersecurity
 - February: EVA & Space Suit Technologies
 - March: 2 day Data Analytics & Image Processing
 - April: 2 day Wearable Technologies

Collaboration Concierge Service: Assistance is provided to organizations with unmet technology challenges, helping them find new innovations and establish collaboration partnerships, solving these difficult challenges and bringing the solutions to market. Working with TCC members and organizations in the outside community, the TCC finds collaboration partners and assists with the formation of the new partnership. Any organization can submit a Collaboration Request or Response.

Membership: The TCC offers several membership levels providing preferred access to the TCC's programs, starting with Individual Memberships for \$100 per year. While membership is not required to attend TCC workshops or use the Collaboration Concierge Service, members get early access to the TCC's programs plus discounted or waived program fees. Memberships require an annual cash and/or in-kind contribution to the TCC, a 501c3 public charity. Depending upon membership level, TCC members receive TCC Insiders News announcements and may have representatives participate on the TCC's Board of Directors and Advisory Council.