

## Agenda for Exoskeleton Standards Technical Interchange Meeting (TIM) (DRAFT v1-6-2017)

**Dates:** January 26-27, 2017

**Location:** National Institute of Standards and Technology (NIST, Gaithersburg, MD); Green Auditorium

**Attire:** Business Casual

### January 26th

8:30 - 9 am: Arrival / Sign-in

9 - 9:30 am: Welcome, Introduction, & Objectives (NIST – Dr. William Billotte & US Army NSRDEC – Mr. David Audet)

9:30 - 10 am: Exoskeleton Technology 101 (TBA)

10 - 10:30 am: Exoskeleton Taxonomy & Terminology (TBA)

10:30 - 10:45 am: Break

10:45 - 11:15 am: Existing Related Standards (Hocoma – Mr. Burkhard Zimmermann)

11:15 - 11:45 am: Standards Development Process – Best Practices (NIST – Mr. Warren Merkel)

11:45 am - 12:15 pm: Standards Development Process – ASTM Respond. Robotics Case Study (DHS – Mr. Philip Mattson)

12:15 - 1:15 pm: Lunch Break

1:15 - 4 pm: Military Applications Session – Facilitator: NSRDEC – Mr. David Audet

- 1:15 - 1:40 pm: User Representative Introduction (Army Maneuver Center of Excellence – CPT Brian Giroux)
- 1:40 - 2:30 pm: Ongoing Related Standards Work (NSRDEC, ARL-HRED)
- 2:30 - 3:30 pm: Unique Aspect Characterization (e.g. Terminology, Taxonomy, Environments, Use Cases, Metrics, Measurement Tools, Test Methods, Stakeholders) (NSRDEC – Mr. Greg Kanagaki / ALL)
- 3:30 - 4 pm: Open Discussion & Generating Prioritized List (ALL)

### January 27th

8 - 8:15 am: Arrival / Sign-in

8:15 - 8:30 am: Day 1 Recap

8:30 - 11:15 am: Industry Applications Session – Facilitator: NIST – Mr. Roger Bostelman

- 8:30 - 8:50 am: User Representative Introduction (United Steelworkers – Mr. Jim Key)
- 8:50 - 9:20 am: Insurance (CNA Insurance – TBA)
- 9:20 - 9:50 am: Ongoing Related Standards Work (NIST – Mr. Roger Bostelman)
- 9:50 - 10:50 am: Unique Aspect Characterization (e.g. Terminology, Taxonomy, Environments, Use Cases, Metrics, Measurement Tools, Test Methods, Stakeholders) (NIST – Mr. Roger Bostelman / ALL)
- 10:50 - 11:15 am: Open Discussion & Generating Prioritized List (ALL)

11:15 am - 12:15 pm: Lunch Break

12:15 - 3 pm: Medical Applications Session – Facilitator: FDA – Dr. Devjani Saha

- 12:15 - 12:35 pm: User Representative Introduction (Christopher Reeves Foundation – Mr. Chris Tagatac)
- 12:35 - 1:25 pm: FDA Intro & Medical Exo Process Overviews (FDA – Dr. Vivek Pinto; Dr. Devjani Saha)
- 1:25 - 2:05 pm: Ongoing Related Standards Work (FDA – Ian Broverman; Dr. Eric Franca; Dr. Kim Kontson)
- 2:05 - 2:30 pm: Unique Aspect Characterization (e.g. Terminology, Taxonomy, Environments, Use Cases, Metrics, Measurement Tools, Test Methods, Stakeholders) (FDA – Dr. Devjani Saha)
- 2:30 - 3 pm: Open Discussion & Generating Prioritized List (ALL)

3 - 3:30 pm: Summary & Path Forward (NIST & NSRDEC)