NORA Symposium Preliminary Schedule
Thursday, April 19, 2018

7:45 - 8:00 CHECK-IN
8:00 - 8:30 CONTINENTAL BREAKFAST
8:30 - 8:45 Andrew S. Merryweather, University of Utah
WELCOME

Keynote Speaker

8:45 - 10:00 Brad Husberg, BSN, MSPH, Director: NIOSH Office of Agriculture Safety and Health
NIOSH, NORA and Robots

10:00 - 10:20 BREAK

Session 1A

10:20 - 10:40 Molly Hischke
Chuan Zhao
Fuzzy Logic Approach to Improve The Accuracy of Rapid Entire Body Assessment(REBA) Method
Robert Chestnut
Ergonomic Assessment and Abatements to Reduce Risk of Musculoskeletal Disorders in Production Line Workers in Utah
Jacob Thomas
Pilot Study Predicting Body Core Temperatures in Hot Work Environments Using Thermal Imagery
Duyen Dinh-Dang
Cardiovascular Strain Among Hotel Room Cleaners

12:00 - 1:00 LUNCH

Session 1B

1:00 - 1:20 Adelmarie Bones
Effectiveness of Biocide Substitution and Management Plan Implementation for the Control of Legionella pneumophila in Cooling Tower Waters
Aaron Cox
Characterization of CO and NO2 Exposures of Ice Skating Rink Maintenance Workers
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1:40 - 2:00  Danielle Mecate
Temperature Inversion and Ultrafine Particulate Matter Concentrations in the Salt Lake Valley

2:00 - 2:20  Alexandra Cox
Development of an Empirical Formula for Describing Human Inhalability of Airborne Particles at Low Wind Speeds and in Calm Air

2:20 - 2:40  Hasanat Alamgir
Traumatic life events and development of Post-Traumatic Stress Disorder among female factory workers in a developing country

2:40 - 3:20  BREAK – Poster Session 1

Session 1C

3:20 - 3:40  Mitja Trkov
Real-time Monitoring of Injury Risk During Manual Material Handling Using Wearable Sensors

3:40 - 4:00  Ruoliang Tang
Functional Limitations of Assistive Reachers: Pilot Results from Simulated Wheelchair Users

4:00 - 4:20  Mario F Garcia
The Effect of Object Surfaces and Shapes on Hand Grip Function for Heavy Objects

4:20 - 4:40  Colleen Brents
Inertial measurement units and low back posture during keg handling

4:40 - 5:00  TBD
Schedule and Table of Contents
Friday, April 20, 2018

7:45 - 8:00  CHECK-IN
8:00 - 8:30  CONTINENTAL BREAKFAST

**Special Presentation**
15th Annual Paul S. Richards, MD, Endowed Distinguished Visiting Lectureship in Occupational Medicine
8:30 - 9:30  James Lockey, MD
How Results from a 30 year U.S. Study of Workers Exposed to Vermiculite Drove U.S. Public Health Policy

9:30 - 10:20  BREAK - Poster Session 2

**Session 2A**
Charles Miller
The Effect of 5 Mechanical Gaming Keyboard Key Switch Profiles on Typing and Gaming Muscle Activity, Performance and Preferences
Hasanat Alamgir
Restaurant Inspection reports as a proxy measure for Occupational Health and safety: South Asian restaurant workers in New York City
Aybuke Koyuncu
The Impact of Heavy Load Carrying Practices on Musculoskeletal Health Among Sand Miners in Nepal
Logan Van Engelhoven
Evaluation of an Adjustable Support Shoulder Exoskeleton

11:40 - 12:00  WRAP-UP
12:00 - 1:00  LUNCH