

IPERFORM BIENNIAL MEETING

Davidson-Gundy Alumni Center

2501 Drive G, Richardson, TX 75080

November 9, 2018 8:30AM - 4:30PM



Center for Assistive Technologies to Enhance Human Performance

AGENDA

CURRENT SITES



PLANNED SITES



PROPOSE INDUSTRY /GOV SPEAKERS

Transportation
Robotics Company
Army/Airforce
Sensors Company
Health Company
Manufacturing Company

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8:30 am - 9:00am **Participant Registration & Breakfast**

9:00 am - 9:15 am **Welcome Remarks**
Fillia Makedon, Center & UTA Site Director
Ovidiu Daescu, UTD Site Director

9:15 am - 9:30 am **Introduction of Participants**

9:30 am - 10:10 am **Presentations by NSF I/UCRC**
Dr. Dmitri Perkins, Program Director
Dr. Dee Hoffman, Center External Evaluator

10:10 am - 10:40 am **Coffee Break and Poster Viewing**

CURRENT PROJECT PROGRESS REPORTS

10:40 am - 10:50 am **Highly efficient & reliable storage systems**
Zhichao Yan and Zhijie Huang, UTA

10:50 am - 11:00 am **Machine Learning Methods For
Complex Problem Solving**
Gautam Das, UTA

11:00 am - 11:10 am **Brain Activity Monitoring Systems
and Applications**
Shouyi Wang, UTA

11:10 am - 11:20 am **Audio Event Detection for Context Aware
Human Computer Interaction**
John H.L. Hansen, Taufiq Hasan Al Banna
UTD

11:20 am - 11:30 am **Automatic Human Communication
Assessment**
John Hansen, Amriteshwar Singh, UTD

11:30 am - 11:40 am **Intelligent Software Analysis Systems**
Eric Wong, UTD

NEW PROJECT PROPOSALS

11:40 am - 11:45 am **iFaDe: An Intelligent Fatigue Detection
System for Manufacturing**
Fillia Makedon, UTA.

11:45 am - 11:50 am **Smart interface for non-technical Users to
Teach a Robot Tasks**
Maria Kyrarini, U.Bremen

11:50 am - 11:55 am **Mobility without borders: Joint UTA-UTD
Project to test mobility Solutions for
students with disabilities**
Fillia Makedon and Ovidiu Daescu

11:55 am - 12:00 pm **Optimal Electrode Placement for
Noninvasive Brain Stimulation**
Ovidiu Daescu, UTD

12:00 pm - 12:05 pm **Deep Learning for Health: A
Common Framework**
Ovidiu Daescu, UTD

12:05 pm - 12:10 pm **Open Panel for Questions**

12:10 pm - 12:40 pm **NSF Life Forms and feedback collection**

12:40 pm - 1:40 pm **LUNCH & POSTER VIEWING**

1:40 pm - 2:10 pm **Voting for a new IAB chair**

2:10 pm - 3:00 pm **Industry-University Panel
Collaboration Opportunities in emerging
frontiers of research and innovation**

Moderators: Fillia Makedon & Ovidiu Daescu
Mr. Justin Kellman -KINOVA Innovation Division
Dr. Glenn Wylie - Kessler Foundation
Dr. Jose Vazquez - Boston Engineering
Prof. Taskin Padir - Northeastern University
Abhijeet Sangwan - SPEETRA

3:00 pm - 3:15 pm **Coffee Break and Networking**

3:15pm - 3:45pm **Closed meeting IAB and NSF**

3:45pm - 4:15pm **IAB & NSF Reporting and planning ahead**

4:15pm - 4:30pm **Closing Remarks, Adjourn**