National Science Foundation
WHERE DISCOVERIES BEGIN

ROSE-HUB

Robots and Sensors for the Human Well-being (ROSE-HUB)

Meeting: Thursday February 6, 2025

Meeting Location: Virtual via Zoom Meeting

Link: https://umn.zoom.us/j/3945673601

Meeting ID: 394 567 3601

Agenda

(All times are in Central Time)

Thursday February 6, 2025

1:00 PM Agenda, Mr. Mike Bazakos, Managing Director

1:05 Welcome, Dr. Nikolaos Papanikolopoulos, Director of the Minnesota Robotics Institute (MnRI) at the University of Minnesota

1:15 Center Update
10 mins – NSF Update, Dr. Mohan Kumar, National Science Foundation PD
10 mins – Center Highlights, Dr. Vassilios Morellas, Center Director
10 mins - The Industrial View, Dr. Vibhor Bageshwar, IAB chair (Honeywell)

1:45 Proposal Presentations and IAB Evaluations (online) [*]

5 mins – Introduction to the "Airtable" Evaluation System – Mr. Haoyi Shi

30 mins (3 projects) - University of Minnesota

UMN1: Federated Learning for Traffic Flow Predictions
(PI: Maria Gini, Presenter: Ebasa Temesgen)

UMN2: Truck Parking Detection Deployment and Maintenance: Phase II
(PIs: V. Morellas, T. Morris and N. Papanikolopoulos, Presenter: Ted Morris)

UMN3: Development of Individualized, Autonomous Interaction Using Nao, Socially-Assistive Robot, for Aging Population
(PIs: Vassilios Morellas and Haoyi Shi, Presenter: Felix Su)

2:15 30 mins (3 projects) - Worcester Polytechnic Institute

WPI1: Tele-Robotic System for Waste Disposal
(PI: Jane Li, Presenter: Nikita Boguslavskii)

WPI2: Wire Inspect Autonomous Thin Wire and Line Inspection
(PI: Nitin Sanket, Presenters: Manoj Velmurugan and Kushagra Srivastav)

WPI3: Robotic Bird Deterrent
(PI: Greg Lewin, Presenter: Nikesh Walling)

2:45 IAB Feedback/Discussion - Dr. Vibhor Bageshwar, IAB chair/ALL

3:00 Adjourn

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[*] Online project evaluation by IAB
https://airtable.com/shrh6CWRqYmOpr0RY

Online project for PI and Faculty
https://airtable.com/shrTflyubNF43Bfzk

Please check out the new website of ROSE-HUB: https://rose-hub-iucrc.github.io