



National Science Foundation  
WHERE DISCOVERIES BEGIN



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

Meeting Thursday May 9, 2024

Meeting Location: Virtual via Zoom Meeting

Link: <https://umn.zoom.us/j/94559442955?pwd=Yk1jUzhXT09idmZxbWNrcnUrVERXQT09>

Meeting ID: 945 5944 2955

Passcode: Nd6S4N

### Agenda

(All times are in Central Time)

#### Thursday May 9, 2024

- 11:00 AM Agenda, Mr. Mike Bazakos, Managing Director
- 11:10 Welcome and Introduction, Dr. Nikolaos Papanikolopoulos, Director of the Minnesota Robotics Institute (MnRI) at the University of Minnesota
- 11:25 **Center Priorities, Status and Plans**  
20 mins – NSF Update, Dr. Mohan Kumar, National Science Foundation PD  
20 mins - The State of the Center, Dr. Vassilios Morellas, Center Director  
20 mins - The Industrial View, Dr. Vibhor Bageshwar, IAB chair (Honeywell)
- 12:25 PM **Proposal Presentations and IAB Evaluations (online) [\*]**  
10 mins – Introduction to the “Airtable” Evaluation System – Mr. Haoyi Shi
- 12:35 **45 mins (3 projects) - Worcester Polytechnic Institute – Dr. Jing Xiao, Site Director**  
WPI1: Telemanipulation for Powder Handling (PI: Jane Li, Student Presenter: Nikita Boguslavskii)  
WPI2: WireNet: Thin Wire and Line Detection (PI: Nitin Sanket, Student Presenter: Manoj Velmurugan)

WPI3: Robotic Envelope Packaging (PIs: Andre Rosendo and Jing Xiao, Student Presenter: Venkateshkrishna Venganallore Parsuram)

1:20      **30 mins (2 projects) - University of Minnesota – Dr. Vassilios Morellas, Site Director**

UMN1: Federated Learning for Traffic Flow Predictions, (PIs: Maria Gini, Ali Anwar) – Presented by Ebaso Temesgen, PhD Student

UMN2: State-wide Truck Parking Detection Deployment and Maintenance – Phase II, (PIs: Vassilios Morellas, Ted Morris and Nikolaos Papanikolopoulos) – Presented by Ted Morris

1:50      IAB Feedback/Discussion - Dr. Vibhor Bageshwar, IAB chair/ALL

2:15      Adjourn

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

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

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