



## Accessible Transportation Technology Research Initiative (ATTRI)

### Applications Workshop

*Location:* Holiday Inn Washington-Capitol  
550 C Street S.W., Washington, DC 20024  
**Capitol Ballroom**

*Date:* May 18-19, 2015

### **Day 1: Program Overview, Applications**

- 1-1. Registration & Networking 8:00 AM – 8:30 AM
- Moderator:* Deborah Curtis, *Highway Research Engineer, Office of Operations Research and Development, FHWA*
- 1-2. Welcome & Introduction 8:30 AM – 9:00 AM
- a. Bryna Helfer, *Deputy Assistant Secretary for Public Engagement, U.S. Department of Transportation, Office of the Secretary*
    - i. Why we are here and where we are going!
    - ii. “Ladders of Opportunity” and *Beyond Traffic 2045*
  - b. Mohammed Yousuf, *ATTRI Program Manager, FHWA*
    - i. Who is in the audience?
    - ii. Workshop Agenda Overview, Goals & Outcomes
- 1-3. Opening Remarks 9:00 AM – 9:45 AM
- a. Michael Trentacoste; *Associate Administrator for Research, Development, and Technology (RD&T)/Director of Turner-Fairbank Highway Research Center (TFHRC), USDOT*
  - b. Vincent Valdes; *Associate Administrator for Research, Demonstration and Innovation, Federal Transit Administration (FTA), USDOT*
  - c. Ken Leonard; *Director of the Intelligent Transportation Systems (ITS) Joint Program Office (JPO), USDOT*
  - d. John Tschida; *Director, National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR)*
- 1-4. ATTRI Program Overview & Status Update 9:45 AM – 10:15 AM
- Bob Sheehan, Program Manager, Multimodal ITS, ITS JPO*
- a. How the ATTRI is Organized
  - b. Major ATTRI Milestones
  - c. Key Themes & Goals
- Break & Networking* 10:15 AM – 10:30 AM

- 1-5. ATTRI Challenges, Opportunities & User Needs 10:30 AM – 11:00 AM  
*Bryna Helfer, Deputy Assistant Secretary for Public Engagement, U.S. Department of Transportation, Office of the Secretary*
- a. User Groups:
    - i. people with disabilities
    - ii. older adults
    - iii. veterans with disabilities
  - b. Webinars and Workshop Results
- 1-6. Review of ATTRI Technology Areas of Focus & Technology Scan 11:00 AM – 11:45 AM  
*Mohammed Yousuf, ATTRI Program Manager, FHWA*  
*Ken Wood, Program Specialist and Manager, NIDILRR*
- a. Wayfinding & Navigation
  - b. ITS & Assistive Technologies
  - c. Automation & Robotics
  - d. Data Integration
  - e. Enhanced Human Service Transportation.
- 1-7. *Questions & Answers* 11:45 AM – 12:00 PM
- LUNCH 12:00 PM – 1:30 PM
- 1-8. Review of ATTRI RFI Submissions 1:30 PM – 2:00 PM  
*Mohammed Yousuf, ATTRI Program Manager, FHWA*
- 1-9. ATTRI Technology Areas – Breakout Session Introduction 2:00 PM – 2:15 PM  
*Mohammed Yousuf, ATTRI Program Manager, FHWA*  
*Breakouts are organized around five ATTRI technology focus areas and logical collections of applications.*
- a. Ground Rules for Today’s Breakouts
  - b. Prioritization Criteria
  - c. Breakout Group Organization
- Break & Networking* 2:15 PM – 2:30 PM
- 1-10. Breakout Session – Technology Areas 2:30 PM – 3:45 PM
- I: Wayfinding & Navigation – *Congressional I*
- Thought Leaders:
- Jim Shurbutt, *Research Psychologist, Office of Safety Research and Development, FHWA*
  - Charlene Wilder, *Transportation Program Specialist, FTA*
- Facilitators:
- Liz Greer, *Noblis*
  - Donna Smith, *Easter Seals*

II: ITS & Assistive Technologies – *House*

Thought Leaders:

- Kunik Lee, *Research General Scientist, Office of Operations Research and Development, FHWA*
- Deborah Curtis, *Highway Research Engineer, Office of Operations Research and Development, FHWA*

Facilitators:

- Drennan Hicks, *Noblis*
- JD Schneeberger, *Noblis*

III: Automation & Robotics – *Congressional II*

Thought Leaders:

- Edward Straub, *Applied Robotics for Installation and Base Operations (ARIBO) Program Manager at Tank Automotive Research Development and Engineering Center (TARDEC)*
- Bob Sheehan, *Program Manager, Multimodal ITS, ITS JPO*

Facilitators:

- Matthew Lesh, *Noblis*
- Julie Dupree, *Easter Seals*

IV: Data Integration – *Senate*

Thought Leader:

- Gene McHale, *Team Leader, Transportation Enabling Technologies, Office of Operations Research and Development, FHWA*
- Brian Chodrow, *Program Manager, NHTSA*

Facilitators:

- Greg Hatcher, *Noblis*
- Kristi McLaughlin, *Easter Seals*

V: Enhanced Human Service Transportation – *Capital Ballroom*

Thought Leaders:

- Gwo-Wei Torng, *Director, Mobility Innovation, Office of Research, Demonstration and Innovation (TRI), FTA*
- Yvette Rivera, *Associate Director, Equal Employment Opportunity Programs Division, U.S. Department of Transportation, Office of the Secretary*

Facilitators:

- John Craig, *Noblis*
- Carolina Burnier, *Noblis*

*Break & Reconvene in Capitol Ballroom*

3:45 PM – 4:00 PM

1-11. Technology Areas: Breakout Reports

4:00 PM – 4:30 PM

ADJOURN – DAY 1

4:30 PM

## ATTRI Applications Workshop

### Day 2: Keynote Address, Expert Panel, & Participant Voting

Moderator: Deborah Curtis, *Highway Research Engineer, Office of Operations Research and Development, FHWA*

2-1. Welcome Back & Agenda 8:30 AM – 8:50 AM

- a. Gwo-Wei Torng, *Director, Mobility Innovation, Office of Research, Demonstration and Innovation (TRI), FTA*
  - i. Welcome
  - ii. Review of Day 1
- b. Jeffrey Spencer, *ITS Team Leader, FTA*
  - i. Day 2 Agenda Overview
  - ii. Introduction of Keynote Address

2-2. Keynote Address 8:50 AM – 9:30 AM

Judith Heumann, *Special Advisor for International Disability Rights for the U.S. State Department*

Ms. Heumann is an internationally recognized leader in the disability community and a lifelong civil rights advocate for disadvantaged people. She has been appointed Special Advisor for International Disability Rights at the U.S. Department of State. She previously served as the Director for the Department on Disability Services for the District of Columbia, where she was responsible for the Developmental Disability Administration and the Rehabilitation Services Administration.

2-3. Functional Groups – Breakout Session Introduction 9:30 AM – 9:45 AM

*Bob Sheehan, Program Manager, Multimodal ITS, ITS JPO*

*Breakouts are organized around 4 major functional groups under ATTRI focus*

- a. Ground Rules for Today's Breakouts
- b. Prioritization Criteria
- c. Breakout Group Organization

2-4. ATTRI Functional Groups – Breakout Session 9:45 AM – 11:00 AM

#### I. Cognitive – Congressional I

##### Thought Leaders:

- Jim Shurbutt, *Research Psychologist, FHWA Office of Safety Research and Development, FHWA*
- Yvette Rivera, *Associate Director, Equal Employment Opportunity Programs Division, U.S. Department of Transportation, Office of the Secretary*

##### Facilitators:

- Carol Wright, *Easter Seals*
- Greg Hatcher, *Noblis*

II. Mobility – *Congressional II*

Thought Leader:

- Edward Straub, *Applied Robotics for Installation and Base Operations (ARIBO) Program Manager at Tank Automotive Research Development and Engineering Center (TARDEC)*
- Gwo-Wei Torng, *Director, Mobility Innovation, Office of Research, Demonstration and Innovation (TRI), FTA*

Facilitators:

- Julie Dupree, *Easter Seals*
- Matthew Lesh, *Noblis*

III. Hearing – *House*

Thought Leaders:

- Bob Sheehan, *Program Manager, Multimodal ITS, ITS JPO*
- Gene McHale, *Team Leader, Transportation Enabling Technologies, Office of Safety Research and Development, FHWA*

Facilitators:

- Kristi McLaughlin, *Easter Seals*
- Drennan Hicks, *Noblis*

IV. Vision – *Capital Ballroom*

Thought Leader:

- Jeffrey Spencer, *ITS Team Leader, FTA*
- Charlene Wilder, *Transportation Program Specialist, FTA*

Facilitators:

- Donna Smith, *Easter Seals*
- John Craig, *Noblis*

*Break & Reconvene in Capitol Ballroom*

11:00 AM – 11:15 AM

2-5. Functional Groups: Breakout Reports

11:15 AM – 12:00 PM

LUNCH

12:00 PM – 1:30 PM

2-6. ATTRI Application Panel

1:30 PM – 3:00 PM

*Mohammed Yousuf – Panel Moderator*

*Industry experts to speak about challenges and opportunities for implementation, scalability of technology, investment and universal design.*

a. Ruth Brannon

*Director, Research Sciences Division, National Institute on Disability, Independent Living and Rehabilitation Research (NIDILRR)*

- b. David Bevly  
*Associate Professor, Auburn University*
- c. Bob Ferlis  
*Technical Director, Operations Research and Development, FHWA*
- d. Mary Leary  
*Division Chief - Rural and Targeted Programs, Office of Program Management, FTA*
- e. Corey Clothier  
*Local Motors, AMP'D, and Applied Robotics for Installation and Base Operations (ARIBO) Program*

<i>Break &amp; Participant Voting</i>	3:00 PM – 3:30 PM
2-7. ATTRI Applications Voting Results	3:30 PM – 4:00 PM
2-8. Workshop Summary & Next Steps <i>Mohammed Yousuf, ATTRI Program Manager, FHWA</i>	4:00 PM – 4:30 PM
a. Request for Proposals	
b. DOL/DOT Challenge	
c. NIDILRR/DOT Roundtable on Accessible Transportation	
d. TARDEC/DOT ATTRI/ARIBO Non Users Study	
ADJOURN	4:30 PM