

## Transportation Safety in the Digital Age

# A Roundtable on Automation and the Human: Intended and Unintended Consequences

FRIDAY, APRIL 13, 2012: 9:00 AM – NOON  
VOLPE CENTER, CAMBRIDGE, MA

A Colloquia Series: Transportation Challenges and Opportunities



GENERATING  
FRESH  
APPROACHES TO  
EMERGING ISSUES

ANTICIPATING  
TRANSPORTATION  
TRENDS

**Link here to  
join us in person  
or via webinar**

Increasingly humans are being asked to interact with automation within complex transportation systems. This roundtable will help deepen our understanding of human-machine interactions in transportation system design and operation.

### The Program

### The Expert Panel

*Welcome*

**Robert C. Johns**, Associate Administrator and Director of the Volpe Center

*Opening Remarks*

**Gregory D. Winfree**, Acting Administrator and Deputy Administrator, Research and Innovative Technology Administration (invited)

*What Transportation Accidents Reveal About Automation*

**The Honorable Robert L. Sumwalt**, Member, National Transportation Safety Board

*Is "Team" a Good Metaphor for a Human-Automation System?*

**Daniel Serfaty**, Chairman and CEO, Aptima, Inc.

*Attention and Interruption Management in Human-Machine Teams*

**Nadine B. Sarter**, Professor; Ph.D., Industrial and Systems Engineering, University of Michigan

*Authority, Responsibility, Adaptivity and Cooperation in Human-Automation Interaction*

**Thomas B. Sheridan**, Ph.D., Emeritus, Professor of Engineering & Applied Psychology (Mechanical Engineering), Professor Aeronautics & Astronautics, Massachusetts Institute of Technology

*Moderated Discussion and Questions and Answer Period*

**Stephen M. Popkin**, Ph.D., Director, Center for Human Factor Research and System Applications at the Volpe Center

For further information, contact:

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