

## TENTATIVE AGENDA

### Meeting of the Technical Advisory Committee

December 12, 2014

**Project Title:** Remote Sensing Based Assessment for Evaluating Risk to Transportation Infrastructure Following Wildfires

**Project Sponsor:** United States Department of Transportation Office of the Assistant Secretary for Research and Technology (USDOT/OST-R)

**Location:** Turnpike Conference Room  
Colorado Department of Transportation Headquarters  
4670 Holly St. Unit A, Denver, CO 80216

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|-------------|--|
| 0800 – 0830 | Badge Pickup and Breakfast                                     |
| 0830 – 0845 | Welcome and Introductions                                      |
| 0845 – 0900 | Project Overview – Richard Coffman                             |
| 0900 – 0920 | Discussion of Project Overview                                 |
| 0920 – 0930 | Detailed Overview of Activity 2 – Richard Coffman/Sean Salazar |
| 0930 – 0950 | Discussion of Activity 2                                       |
| 0950 – 1000 | Break  |
| 1000 – 1020 | Detailed Overview of Activity 3 – Richard Coffman              |
| 1020 – 1030 | Discussion of Activity 3                                       |
| 1030 – 1040 | Detailed Overview of Activity 4 – Richard Coffman              |
| 1040 – 1050 | Discussion of Activity 4                                       |
| 1050 – 1120 | Detailed Overview of Activity 5 – Thomas Oommen                |
| 1120 – 1150 | Detailed Overview of the RECOVER DSS – Keith Weber             |
| 1150 – 1210 | Discussion of Activity 5 and the RECOVER DSS                   |
| 1210 – 1220 | Break  |
| 1220 – 1300 | Working Lunch (Discussion and Summarization of Salient Points) |

Project Website: <https://wildfire-landslide-risk-dss.uark.edu/>

Conference Dial-in Number: (605) 475-4700

Participant Access Code: 659010#

## Technical Advisory Committee Members

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## December 12, 2014 Meeting Participants

Scott Anderson, USDOT Federal Highway Administration (TAC Member)

Richard Coffman, University of Arkansas (PI)

Vasanth Ganesan, USDOT/OST-R (University Grants Programs) [via phone]

Rene Garcia, CalTRANS (on behalf of Herby Lissade, TAC Member) [via phone]

Jason Kean, United States Geological Survey (TAC Member)

Thomas Oommen, Michigan Technological University (Co-PI)

Ty Ortiz, Colorado Department of Transportation (TAC Member)

Sean Salazar, University of Arkansas (Graduate Student)

Bill Shaw, Idaho Transportation Department (TAC Member)

Caesar Singh, USDOT/OST-R (Director, University Grants Programs) [via phone]

Keith Weber, Idaho State University (Team Member)

### **TEAM PROJECT ACTIVITIES**

1. Formation of the Technical Advisory Committee (TAC), kickoff meeting (TAC members and members of the research team), and regular meetings (TAC members and members of the research team).
2. Development of: 1) website, 2) implementation plan, and 3) service providers for stakeholder outreach and a product/service provider business model.
3. Development of a ground-based remote sensing device.
4. Collection of data, creation and management of a database of soil properties in wildfire areas.
5. Development of a probabilistic model decision support system utilizing logistic regression.
6. Report on the progress of the project, discussions during the meetings with the TAC, and results obtained during the project through 1) quarterly reports to the project sponsor and 2) a final report to the project sponsor. Rapid dissemination of results, as obtained during the project, to the stakeholders through peer-reviewed conference proceedings and archival journal articles.

**PROJECT DELIVERABLES**

1. "Development of TAC." Report. Due within 3 months of project start date.
2. "Development and Maintenance of Website" Website posted online within the first 3 months of the project and then maintained indefinitely.
3. "Quarterly Reports." Reports. Due at 3 month intervals after the project start date.
4. "Ground-based Remote Sensing Device." Demonstration. Due within 9 months of project start date.
5. "Implementation Plan, Fee Structure, and Utilization Rate." Report. Due within 12 months of the project start date.
6. "Users Manual for Ground-based Remote Sensing Device." Report. Due within 12 months of project start date.
7. "The Development of a Ground-based Remote Sensing System for Collecting Data to Determine the Amount of Risk to Transportation Infrastructure Following Wildfires." Report. Due within 12 months of the project start date.
8. "Database of Remotely Sensed Soil Properties." Demonstration and report. Due within 18 months and 21 months from the project start date, respectively.
9. "The Development of a Remote Sensing Based Decision Support System to Determine the Amount of Risk to Transportation Infrastructure Following Wildfires" Demonstration and Report. Due within 18 months and 24 months, respectively, from the project start date.
10. "Remote Sensing Assessment System for Evaluating Risk to Transportation Infrastructure Following Wildfires." Due within 24 months from the project start date.