SECOND INTERNATIONAL SYMPOSIUM ON NATURALISTIC DRIVING RESEARCH
AGENDA

NOTE: ALL SESSIONS WILL TAKE PLACE IN THE ASSEMBLY HALL IN THE HOLTZMAN ALUMNI CENTER AT THE INN AT VIRGINIA TECH (UNLESS OTHERWISE SPECIFIED)

Monday, August 30
4 – 5:30 p.m. Registration at The Inn at Virginia Tech
Latham Foyer (under the Grand Staircase)

Tuesday, August 31
8:00 – 8:30 a.m. Registration at The Inn at Virginia Tech
Latham Foyer (under the Grand Staircase)
8:30 – 9:15 a.m. Welcome and Opening Session
Tom Dingus, Virginia Tech Transportation Institute – 5 minutes
Keynote (topic in development)
Peter Appel, Administrator, RITA – 25 minutes
9:15 – 9:30 a.m. BREAK
9:30 – 11:30 a.m. International Review of Naturalistic Driving Study Research (NDS)
Moderator – Gary Allen, Chief of Technology, Research and Innovation, VDOT-5 minutes
- Jude Charlton, Monash University, Melbourne Australia – 15 minutes
- Fang Shouen, Tongji University, Shanghai, China – 15 minutes
- Nobuyuki Uchida, Japan Automobile Research Institute – 15 minutes
- Trent Victor, Volvo Sweden – 15 minutes
- John Pearson, Council of Transport Deputy Ministers, Canada – 15 minutes
Panel Discussion – 35 - 40 minutes
11:30 – 11:45 a.m. BREAK
11:45 a.m.– 12:45 p.m. Lunch Discussion – The Inn at Virginia Tech (Latham AB)
Food for Thought: The “Looking But Not Seeing” Phenomenon: Could It Be Happening to Us? – 20 minutes
Linda Angell, winner of the A.R. Lauer Safety Award
12:45 – 1:00 p.m. BREAK
1:00 – 2:30 p.m.  **Machine Vision and Signal Processing**

*Moderator – John Capp, GM – 15 minutes*

- **An Intelligent Device Concept for Mitigating Driver Distraction Associated with Texting**  
  Michael Watkins, PNL – 20 minutes

- **Machine Vision for Active Safety: Problems and Potential**  
  Mohan Trivedi, University of California at San Diego – 20 minutes

- **Driver Identification in SHRP2 Naturalistic Driving Study**  
  Doug McGraw, VTTI – 20 minutes

- **Recent Advancements in Acoustic Based Signal Processing for Driver Behavior Modeling and In-Vehicle System Design**  
  John H.L. Hansen, University of Texas at Dallas – 20 minutes

2:30 – 3:30 p.m.  **Discussion**

3:30 – 3:45 p.m.  **BREAK**

3:45 – 4:55 p.m.  **Data Access/Sharing [Panel Session]**

*Moderator – Martin Walker, FMCSA – 15 minutes*

- **SHRP 2 Data: Access, Use & Analysis**  
  Joanne Harbluk, Transport Canada – 10 minutes

- **Improving Efficiency and Accuracy in Data Management for Naturalistic Driving Studies**  
  Rusan Chen, Georgetown University – 10 minutes

- **Privacy and IRB Issues: Breaking News from the SHRP 2 Naturalistic Driving Study**  
  Suzie Lee, VTTI – 10 minutes

- **Naturalistic Data Analysis: What Can We Learn From HSIS?**  
  Michael Trentacoste, FHWA – 10 minutes

- **Data Handling and Sharing Procedures in European Naturalistic Driving Studies and Field Operational Tests**  
  Michael Regan, INRETS – 10 minutes

4:55 – 6:00 p.m.  **Discussion**

6 – 6:15 p.m.  **BREAK**

6:00 – 8:30 p.m.  **Reception/Poster Session & tabletop demos - The Inn at Virginia Tech (Great Lawn/Latham AB)**

(VTTI demos/ MASK/I-Lane Tracker - Andy Peterson)

Great Lawn (rain space – Latham Ballroom)

8:30 – 10:00 p.m.  **Tour SLED Lab**

Demonstrations on the Virginia Smart Road, VTTI

**Wednesday, September 1**
8:00 – 9:30 a.m.  National Surface Transportation Safety Center for Excellence (NSTSCE)

Naturalistic Driving Research Update
Moderator - Carl Andersen, FHWA – 15 minutes

- Safety Devices and Techniques That Enhance Driver Performance
  Jon Hankey, VTTI – 20 minutes

- Advanced Roadway Delineation and Lighting Systems
  Ron Gibbons, VTTI – 20 minutes

- Age-Related Driver Issues
  Jon Antin, VTTI – 20 minutes

- Fatigued Driver Issues
  Rich Hanowski, VTTI – 20 minutes

9:30 – 10:00 a.m.  Discussion
10:00 – 10:15 a.m.  BREAK
10:15 – 11:35 a.m.  Important Aspects of Naturalistic Data Analysis and Results Reporting
Moderator – Chris Hayes, The Travelers Companies – 15 minutes

- SHRP 2 Analysis Planning
  Ken Campbell, TRB – 15 minutes

- Estimating Crash Risk
  Feng Guo, VTTI – 15 minutes

- Risky Driving Among Novice Teenage Drivers: Does Risky Driving Predict C/NC?
  Bruce Simons-Morton, Chief, Prevention Research Branch, DESPR, NICHD – 15 minutes

- On Board Monitoring of 250 Trucks: A Case Study
  Linda Boyle, University of Washington at Seattle - 15 minutes

11:35 – 12 noon  Discussion
12 – 12:15 p.m.  BREAK
12:15 – 1:30 p.m.  Lunch (Networking)
1:30 – 3:00 p.m.  Driving Transportation Policy with Naturalistic Data [Panel Discussion]
Moderator: Tom Dingus, Director, VTTI – 10 minutes

- Case Study – Driver Distraction (topic in development)
  Peter Appel, Administrator, RITA – 20 minutes

- Topic (in development)
  Bill Bronrott, FMCSA, Deputy Administrator – 20 minutes

- Topic (in development)
  Ron Medford, NHTSA, Deputy Administrator – 20 minutes

- Topic (in development)
  The Honorable Joe T. May, Virginia House of Delegates, 33rd District – 20 minutes
minutes

3:00 – 3:30 p.m. Discussion
3:30 – 4:00 p.m. Wrap-up (for those not attending workshop on Thursday)
   Tom Dingus – Director, VTTI
4:00 – 6:00 p.m. BREAK
6:00 – 8:30 p.m. Dinner at VTTI (Workshop Participants Only)

Thursday, September 2

8:00 a.m. – 1:00 p.m. Workshop at VTTI (Limited to 40 participants)
   “Working with Large Naturalistic Datasets”
   Moderators – Zac Doerzaph and Myra Blanco, VTTI
   Top experts in the field will provide attendees a hands-on opportunity to apply methods for processing and analyzing data from large-scale naturalistic databases.

   Using a light-hearted competition format, “So You Think You Are a Naturalistic Guru,” attendees will develop research methods, learn techniques, and obtain comprehensive feedback on planned analyses of a particular question of interest.

   For more information, go to http://www.cpe.vt.edu/ndmas/; click on Agenda tab in left navigation bar to see “Workshop Information.”

   Wrap-up (for Workshop attendees)
   Tom Dingus, Director, VTTI