

Human Driver

A Research Connection Event

Behavior Modelling

Sponsored By:

DIVISION OF RESEARCH & INNOVATION (DRI)

Thursday, May 31st, 2007

9:30am - 11:30am

DRI Offices

**Veteran Affairs Building - 5th floor - Room #518
1227 "O" Street, Sacramento Ca.**

VTC PARTICIPATION LOCATIONS:

HQ2101/ NTR-HQ / FMP/HQ_Tlab / HQ_VA_518 / VCI-M D1 / D1 / VC2-R/D02 / D2-119 / D3M / D3-Gateway Oaks/ D3 Conference Room / District Office D3/ VC5/D05 / DD5-201 / D6-119 / VC6/D06 / D7[01-038] / VTC/D07 / D8-1206 / VTC's/D08/ D9-109 / VC9/D09 / D10-162 / D11[3-204] / VC11/D11/ D12[D4-149]

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Limitations of driver models often represent the major source of uncertainty in terms of the validity of simulation results. In this talk, we will discuss the challenges associated to the development of driver models, the different forms they take, the purpose for which they are developed, and what are the research needs for improving the quality of drivers model. Key points for discussion will be driver model development, safety applications and driver simulator.

About The Presenter...

Delphine Cody is a Psychologist at the California PATH program at UC Berkeley. Her role is to apply her knowledge of drivers' cognition and behavior to transportation safety issues. Since joining PATH, she has been involved in driver models development, evaluation of a Cooperative Adaptive Cruise Control, in terms of acceptance of shorter gaps, description of driver behavior at intersection supporting the development of driver decision support systems, development of a prototype of a Driver's Situation Awareness Support system. The methods she is the most familiar with are data collection involving the use of an instrumented vehicle, although she recently got involved with a project for the evaluation of an animal warning system, where several methods to warn drivers of the presence of an animal from the infrastructure will be evaluated with the observation of speed profiles at the site, prior to the system's installation and during the testing of the different types of messages delivered to the driver.

Mrs. Cody is a member of HFES (Human Factors and Ergonomics Society). She obtained a Diplôme d'Etudes Approfondies (D.E.A - Master equivalent) from Université Lyon II (France).