



HUMAN FACTORS and ERGONOMICS SOCIETY

New England Chapter

2009 Student Conference

Morning Program

8:30 AM	Registration and Continental Breakfast	
9:00 AM	Opening Remarks <i>Eric Jones, Aptima, Inc.</i>	
9:10 AM	Technical Presentations	Evaluation of dynamic message sign deployments and their effects on older drivers. <i>G., Divekar, UMass - Amherst</i>
9:25 AM		Assessing the validity of a driving simulation for comparing in-vehicle informational interfaces. <i>Y. Wang, MIT</i>
9:40 AM		Age and cognitive task modify lane choice and lane change behaviors on highway. <i>M. Lavallière, MIT</i>
9:55 AM		Modeling human failure detection in monitoring integrated health management systems. <i>R. Owen, MIT/Draper Labs</i>
10:10 AM		Designing a mobile application's user interface for mounted police. <i>I. Elhart, UNH</i>
10:25 AM	Sponsor Presentation <i>Charles River Analytics, Inc.</i>	
10:35 AM	Break	
10:50 AM	Technical Presentations	Electronic falls reporting system implementation: Evaluating data collection methods and studying user acceptance. <i>Y. Mei, UMass - Amherst</i>
11:05 AM		Evaluating the effect of advance yield markings and symbolic signs on vehicle-pedestrian conflicts at marked mid-block crosswalks across multilane roads. <i>R. Gómez, UMass - Amherst</i>
11:20 AM		Exploring in-car augmented reality navigation aids: A pilot study. <i>Z. Medenica, UNH</i>
11:35 AM	Sponsor Presentation <i>Aptima, Inc.</i>	
11:45 AM	Lunch	
12:00 PM	Keynote Speaker <i>David N. Aurelio, Ph.D., Autodesk, Inc.</i> <i>Human Factors Theories and Applications</i>	

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Afternoon Program

1:00 PM	Technical Presentations	Uncovering barriers to implementing a surgical safety checklist from a joint cognitive systems perspective. M. Mulcare, Tufts
1:15 PM		Onboard planning system for unmanned-vehicles supporting expeditionary reconnaissance and surveillance. A. Clare, MIT
1:30 PM		Scenario-based user testing to guide consumer health related information design. D. Evernden, UMass - Amherst
1:45 PM		A literature review of optic flow and driving. L. Nie, Northeastern
2:00 PM		Evaluating the effect of risk awareness and perception training on younger driver's ability to identify risky situations on the road. H. Mehranian, UMass - Amherst
2:15 PM	Break	
2:30 PM	Technical Presentations	Storytelling with geotagged photos on a multitouch display. M. Litchfield - UNH
2:45 PM		Assessing the ergonomic hazards for piledrivers. P. Dasgupta, UMass - Lowell
3:00 PM		Research towards a hazard perception training system for driving. N. Chen, Northeastern
3:15 PM	Panel	Career Panel Eric Jones, Aptima, Inc. Andrea Sparko, DOT/Volpe Birsen Donmez, MIT/U. Toronto Scott Gabree, DOT/Volpe
4:15 PM	Awards and Wrap- Up <i>Eric Jones, Aptima, Inc.</i>	
4:30 PM	End of Conference	



charles river analytics