

**2006 AUTOMOTIVE DYNAMICS, STABILITY AND CONTROLS CONFERENCE AND EXHIBITION
SPECIAL EVENTS
WEDNESDAY, FEBRUARY 15**

Panel Discussion: Collaborative Research and Development
8:00 a.m.

Room Ballroom C & D

A panel of experts from the U.S. department of transportation and consortium representatives will discuss the collaborative research methodology and merits for nationally relevant safety systems.



Organized by: **Rajiv K. Gupta**, Senior Staff Engineer, General Motors Corp.



Moderator: **Timothy Gordon**, Professor, Univ. of Michigan

Dr. Gordon is Head of Engineering Research at the Univ. of Michigan Transportation Research Institute (UMTRI) and is both a Research Professor at UMTRI and Professor of Mechanical Engineering within the Univ. of Michigan College of Engineering. Dr. Gordon obtained both his Bachelors and Doctorate in Applied Mathematics at the Univ. of Cambridge, England.

He is currently engaged in research in vehicle dynamics and control, including driver modeling and active safety systems. He also teaches in the areas of vehicle dynamics and control systems. He has published over eighty academic research papers in his career, and thirteen graduate students have obtained PhD's under his supervision.

PANELISTS

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David R. Benedict, General Manager, Toyota Technical Center USA Inc.

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David LeBlanc, Assistant Research Engineer, Univ. of Michigan

Dr. LeBlanc has been at the University of Michigan Transportation Research Institute (UMTRI) since 1999. He has been the project director for the Road Departure Crash Warning System Field Operational Test (RDCW FOT) – a cooperative agreement project with the USDOT, UMTRI, Visteon Corporation, and AssistWare Technologies – since 2004. Dr. LeBlanc has been involved since 1994 in collaborative projects addressing the development and evaluation of driver assistance systems, including work at UMTRI, the Ford-GM partnership “Crash Avoidance Metrics Partnership” and before that, at the University of Michigan. He holds a Ph.D. in aerospace engineering from UM.

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Raymond J. Kiefer, Safety and Human Factors Engineer, GM NA Engineering

Mr. Kiefer is an Engineering Specialist in the Crash Avoidance System Development Group within the General Motors North American Engineering Organization in Warren, Michigan. Raymond J. Kiefer was recently the project manager of the Automotive Collision Avoidance System Field Operation Test Program, as well as the principal investigator for the Crash Avoidance Metrics Partnership Forward Collision Warning Requirements Project. He received a Ph.D. in Cognitive Processes from Wayne State University in 1988.

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Hariharan Krishnan, Staff Research Engineer, GM R&D Center

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Vicki L. Neale, Director Center for Crash Causation & Human, Virginia Tech.

With over 13 years of rapidly growing research at Virginia Tech, Dr. Neale currently directs three human factors research groups in Advanced Product Test and Evaluation, Lighting and Infrastructure Technology, and Light Vehicle Safety. Past research includes projects with varying degrees of federal/state/industry collaboration, such as the Intersection Collision Avoidance project, the Intersection Decision Support project, the Sleeper Berth project, and the 100-Car Naturalistic Driving Study.



David L. Smith Chief, Structures and Restraints, Research Division, National Hwy Traffic Safety Admin.

Dr. Smith holds a Ph.D. in Mechanical Engineering from the Oklahoma State University and is a member of Phi Kappa Phi, Sigma Xi, and Pi Tau Sigma honorary technical societies. He has over 35 years of experience in the research and development of complex electromechanical systems. This experience includes engineering design in addition to research project development and management. It includes such machinery as automobiles, rockets and satellites, fighter aircraft, naval surface ships, and autonomous submersibles. Some of his design recommendations are still flying on the F-16, and the autonomous submersible project he started at the Naval Postgraduate School in 1986 successfully completed open sea trials during the summer of 2000. He is the author of over 50 technical publications and a textbook on System Modeling for Design published by Prentice Hall in 1994.

Dr. Smith was the Light Vehicle Platform Technical Director for the USDOT Intelligent Vehicle Initiative from 1997 - 2004. In fiscal year 2000, this work involved oversight of 31 research projects with a budget of 13 million dollars. In 2004, he took over as Chief of the Structures and Restraints Research Division at NHTSA where he continues today.

Dedicated Exhibition Time

11:00 a.m. - 12:00 p.m.

Room - Ballroom A & B

This will be an hour dedicated to the exhibit. You will have opportunity to spend this time visiting the exhibitors and hearing about their products and services without having to miss the technical presentations, panels or keynote speakers. Please take advantage of this unique opportunity.