

**2006 AUTOMOTIVE DYNAMICS, STABILITY AND CONTROLS CONFERENCE AND EXHIBITION
SPECIAL EVENTS
TUESDAY, FEBRUARY 14**

Keynote Speaker
8:00 a.m. – 9:00 a.m.
Ballroom C & D



Robert C. Lange, General Conference Chair, Executive Director, Vehicle Structure and Safety Integration General Motors Corp.

Robert C. Lange has been directing GM's traffic safety activities since 1997 and was appointed Executive Director for Safety Integration on January 2, 2001. The functional activities within this area of vehicle development are all focused upon the in-service safety performance of GM motor vehicle products and real-world customers' experiences with those products.

Lange joined General Motors in February 1994 following a 12-year career with Failure Analysis Associated (FaAA), an engineering consulting firm. A vice president of FaAA since 1985, Lange's research and consulting activities were in the field of motor vehicle safety. Prior to joining Failure Analysis Associates, Lange held a variety of design engineering positions at Ford Motor Co., principally involving chassis, steering and controls and fuel and exhaust systems. Born on October 3, 1947 in Detroit, Lange is a lifelong resident of Southeastern Michigan and earned Bachelor and Master of Science degrees in mechanical engineering from the Univ. of Michigan.

Lange has written extensively concerning motor vehicle safety. His research topics included occupant restraint system design and performance, fuel system design, vehicle structures, vehicle size and safety, crash risk analysis and brake systems. He is a Board member of the Automotive Coalition for Traffic Safety (ACTS) and the National Safety Council. He is also a member of the Engineering Society of Detroit and the Society of Automotive Engineers.

Panel Discussion: Next Generation of Safety Systems - Societal Perspective

9:30 a.m.

Room Ballroom C & D

A panel of experts of societal representatives involved in setting the vision and direction, communicating with consumers as well as testing safety performance and cost of ownership. This panel will provide a global view about directions and consumer information.



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



Moderator: **David E. Cole** Chairman, Center For Automotive Research.

Dr. Cole is the Chairman of the Center for Automotive Research (CAR) in Ann Arbor, Michigan. He was formerly Director of the Office for the Study of Automotive Transportation (OSAT) at the Univ. of Michigan Transportation Research Institute. He has worked extensively on internal combustion engines, vehicle design, and overall automotive industry trends. Dr. Cole received his B.S.M.E., M.S.M.E. and Ph.D. from the Univ. of Michigan.

Dr. Cole's recent research has focused on strategic issues related to the restructuring of the North American industry and trends in globalization, technology, market factors, and human resource requirements. He was formerly a member of the Energy Engineering Board of the National Research Council and the U.S.-Canada Free Trade Pact Select Panel. Dr. Cole is a director of the Automotive Hall of Fame and is on the Board of Trustees of Hope College. He is also a director of the Original Equipment Suppliers Association, as well as a director of five automotive supplier companies. In addition, Dr. Cole is a member of the Executive Committee of the Michigan Economic Development Corp. (MEDC) and was recently appointed by Michigan's Governor to the Michigan Technology Tri-Corridor Steering Committee.

He is active in SAE, including serving two terms on the Board of Directors. In February 1986, he was named a fellow of SAE. He is also active in the Engineering Society of Detroit and was elected to fellow status in 1990. In 2000, he received the Engineering Society's highest award, the Horace H. Rackham medal. In 1993, he received the National Automobile Dealers Association Foundation's International Freedom of Mobility Award. In 1994, Design News selected Dr. Cole as one of eight engineering leaders, and he was also selected to receive Sweden's Order of the Polar Star.

In the fall of 1998, Dr. Cole was named as the Marketing Educator of the Year by the Society of Marketing Executives. Additionally, he received the 1998 Rene Dubos Environmental Award for his contributions to the industrial ecology of the automobile and in 1999, Chevalier of the National Order of Merit from France.

Dr. Cole also has been actively involved in the start-up of five different Ann Arbor-based companies. Dr. Cole's technical and policy consulting experience includes a variety of assignments for industry, labor, and government.

PANELISTS



David Champion, Senior Director, Auto Test, Consumer Reports

Mr. Champion, an engineer with extensive experience in automotive testing, design and development, has been in charge of Consumer Reports Auto Test facility since June 1997. As senior director, Champion oversees CR's extensive auto and tire testing operations at the department's 327-acre site in East Haddam, Conn., the largest independent consumer automobile testing center in the world. CR's Auto Test campus is a state-of-the-art facility with specially paved surfaces, straight- and winding-road courses, an off-road course, the latest computerized test equipment, and an expert staff. The department buys and tests more than 50 cars and trucks a year.

Results of those auto tests are presented monthly in Consumer Reports magazine and online at www.ConsumerReports.org. The test results are also published in a series of special interest automotive publications including the annual "New Car Preview," "Used Car Buying Guide," and "Sport Utility Special." The expert reports are also made available through CR's New Car Buying Kit. Consumer Reports' Annual Auto Issue, published in April and filled with auto content, is traditionally the top-selling issue of the year.

Prior to joining Consumer Reports, Champion was a senior engineer with Nissan Motor Corp. in Gardena, Calif. While at Nissan, he also worked as a model-line engineer, responsible for reporting vehicle problems to Nissan design and production groups for ultimate resolution. Earlier, Champion worked for Land Rover of North America, where he supervised the startup of that Co.'s test facility in Phoenix, Ariz. and then managed the facility. Earlier still, he was a principal development engineer with Land Rover UK, Ltd., where he led a new-vehicle development group. Champion began his career in his native England as a development engineer with Lucas Electrical Ltd., a maker of electrical systems.

Champion, whose father worked for a truck manufacturer in England and then as a tire engineer with Goodyear, grew up around auto test tracks. He received a bachelor's degree in Mechanical Engineering and Metal & Material Science in 1977 from the Univ. of Aston in Birmingham, England. His first car was a 1959 Austin Seven (Mini).



Joseph N. Kianianthra, Associate Administrator, Vehicle Safety Research, US Dept. of Transportation

Dr. Kianianthra is the Associate Administrator for Vehicle Safety Research in NHTSA involved in directing all of applied and advanced vehicle safety research related to active and passive safety, driver-vehicle performance, intelligent technologies, tire research, and driver distraction and driver workload research programs related to light passenger vehicles and heavy

trucks in the agency. He has been at NHTSA for nearly 30 years. At NHTSA, he has spent several years in many parts of the agency, including research and safety standards development. He has also served as a Special Assistant for Research and Technology in the Office of the Secretary of Transportation. Dr. Kianianthra has received several distinguished performance awards and superior and meritorious achievement awards in NHTSA and in the Department of Transportation (DOT), including the Secretary's award for meritorious and technological achievement and the Presidential Rank Award for sustained superior achievements.



Adrian Lund, President, Insurance Institute for Highway Safety

Dr. Lund is president of the Insurance Institute for Highway Safety and the Highway Loss Data Institute. Both IIHS and HLDI are research and communications organizations dedicated to reducing deaths, injuries, and property damage on the nation's highways. Both are funded by auto insurers.

A highway safety expert consulted frequently by print and electronic media reporters, Dr. Lund appears regularly on TV news magazine shows and on network news programs.

Trained initially as a psychologist, Dr. Lund has been involved in health-related research since 1975. He joined IIHS in 1981 as a behavioral scientist, becoming senior vice president for research in 1993, chief operating officer for IIHS and HLDI in 2001, and president in 2006.

He is the author of numerous scientific papers and has served on the boards and committees of many highway safety groups.



Claes Tingvall, Chairman, Euro NCAP

Born Nov 2 1953 in Sweden. Prof. Tingvall has held positions related to traffic safety since 1976, and has mainly published in injury epidemiology, occupant protection and study design/analysis in advanced field accident data collection.

More recently, Tingvall has been professor and director of Monash Univ. Accident Research Centre, where he currently holds a professorship.

Since 2001, Claes Tingvall is Director of Traffic Safety in Sweden.

He is also chairman of EuroNCAP since 2004.

TBD, Transport Canada; *(Invited)*

Keynote Luncheon

12:00 p.m.

Room Ballroom C & D



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Panel Discussion: Next Generation of Safety Systems - Industry Perspective

2:00 p.m.

Room Ballroom C & D

A panel of experts from the global automotive industry will discuss the development of future safety systems. Vehicle manufacturers from Europe, Asia and North America will address industry's perspective on priorities and opportunities of future developments of safety systems.



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



Moderator: **Thomas D. Gillespie**, Research Professor Emeritus, Univ. of Michigan-Ann Arbor.

Dr. Gillespie is Research Professor Emeritus, The Univ. of Michigan, Transportation Research Institute. He is also Director of Product Planning, Mechanical Simulation Corp.

1973 – 1976 Group Leader, Ford Motor Co., Heavy Truck Division

1976 – 1987 Research Scientist, Univ. of MI Transportation Research Institute.

1987 – 1988 Senior Policy Analyst, White House Science Office

1989 – 2000 Director, Great Lakes Center for Truck and Transit Research

2000 – 2005 Research Professor, Univ. of MI Transportation Research Institute

2005 – Present Adjunct Research Professor, Univ. of Michigan Director, Product Planning, Mechanical Simulation Corp. Current Teaching Activities include Automotive Engineering and Vehicle Dynamics.

PANELISTS



Thomas C. Baloga General Manager, Safety Engrg. & ITS, BMW of North America LLC

Mr. Baloga is General Manager of Safety Engineering and ITS, BMW of North America. He has nearly 30 years of experience in the auto industry with more than 10 US and international patents granted and pending.

Previously held management positions with a child safety seat manufacturer and a premium vehicle manufacturer, as well as a senior test engineer with a heavy duty truck manufacturer.

Automotive Technology degree from The Pennsylvania College of Technology and Mechanical Engineering Degree from Penn State.



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Tomiji Sugimoto, Vice President, Honda R&D Americas Inc

Mr. Sugimoto joined Honda Motor Co., Ltd. in 1977 and engaged in passenger safety technology development, mainly airbags, at Honda R&D Co., Ltd. in 1978. He worked for Honda R&D North America in LA from 1985 through 1989 and promoted the commercialization of airbags and the matters related to crash safety. He was currently the Chairman of Human Body Modeling and was a member of Safety Subcommittee at JAMA.

His researches won JSAE Awards, and Award for Safety Engineering Excellence at Amsterdam ESV Conference in 2001.



Robert K. Yakushi, Director, Product Safety, Nissan North America Inc.

Mr. Yakushi is director of Product Safety, Regulatory and Accessory Quality for Nissan North America, Inc. (NNA). He is responsible for analyzing product safety issues for current and future models in the areas of strategy, design, direction and testing for North America and global markets. Another aspect of his job is to ensure that the quality of Nissan accessories meets our customer's expectations. In addition to these responsibilities, he also acts as the corporate safety spokesperson for various public and media events.

Since joining Nissan in 1980, Yakushi has held various management positions. Most recently he was the corporate manager of automotive safety engineering for NNA where his responsibilities aligned with his current responsibilities as director. He was also corporate manager of engineering analysis where he was responsible for providing product analysis and technical support to various Nissan affiliates. Additional past positions includes manager, engineering analysis, staff engineer, engineering specialist, and project engineer.

Yakushi earned his degree in Aerospace engineering technology at Northrop Institute of Technology. His passion for engineering is reflected in his association with professional organizations including the Society of Automotive Engineers, International Association of Arson Investigators, Association for the Advancement of Automotive Medicine, the American Society for Metals and his past motorsports involvement as a race car driver. He also holds an AirFrame and Power license from the Federal Aviation Administration.

TBD, Ford Motor Co. *(Invited)*

TBD, Toyota Motor Corp. *(Invited)*

Welcome Reception
4:30 p.m. – 6:00 p.m.
Grand Ballroom A & B