

**Zero Emission Vehicle Technology Symposium**  
**September 21-22, 2009**

**Speaker Biographies**

**Dr. Andrew F. Burke**

Institute of Transportation Studies  
University of California-Davis

Dr. Burke holds B.S. and M.S. degrees in Applied Mathematics from Carnegie Institute of Technology, a M.A. degree in Aerospace Engineering and a Ph.D. in Aerospace and Mechanical Sciences from Princeton University.

Since 1974, his career work has involved many aspects of electric and hybrid vehicle design, analysis, and testing. He was the head systems engineer on the U.S. Department of Energy-funded Hybrid Vehicle (HTV) project while working at the General Electric Research and Development Center in Schenectady, N.Y. While a Professor of Mechanical Engineering at Union College in Schenectady, he continued his work on electric vehicle technology through consulting with the Argonne and Idaho National Engineering (INEL) Laboratories on various DOE electric vehicle and battery programs. Dr. Burke was employed from 1988-1994 at INEL as a principal program specialist in the electric and hybrid vehicle programs. His responsibilities at INEL included modeling and testing of batteries and electric vehicles and the technical management of the DOE ultracapacitor program. Dr. Burke has authored over 100 reports and papers on electric and hybrid vehicles, batteries, and ultracapacitors.

Dr. Burke joined the Research Faculty of the Institute of Transportation Studies at UC Davis in July 1994. He has performed research on and taught graduate courses on advanced electric driveline technologies specializing on batteries, ultracapacitors, fuel cells, and hybrid vehicle design, control and simulation.

**Catherine Dunwoody**

Executive Director  
California Fuel Cell Partnership

Catherine Dunwoody is the executive director of the California Fuel Cell Partnership. She has led the organization from 1999 when it was announced as a fuel cell vehicle demonstration program. Today the CaFCP is a globally recognized leader in promoting hydrogen fuel cell vehicle commercialization. Catherine leads the CaFCP's team of industry and government members in their collaborative planning, technical and outreach activities. Prior to CaFCP, she worked for the California Air Resources Board where she managed teams responsible for a variety of activities, ranging from developing stationary source test methods to developing and implementing vehicle regulations. Catherine has

a Bachelor of Science degree in Biochemistry from the University of California, Davis.

**Ben Knight**

Honda R & D Americas

Vice President, Automotive Engineering at Honda R&D Americas in Torrance California

Mr. Knight's activities and responsibilities include the planning and implementation of Honda's environmental product efforts and programs for conventional and alternative fuel vehicles. Programs include Honda's Low Emission (gasoline) Vehicle lineup (ULEV/SULEV/PZEV/ATPZEV), Hybrid-Electric Vehicles (HEV), and Alternative Fuel Vehicles including Natural Gas Vehicles (NGVs), Battery Electric Vehicles (BEVs) and Fuel Cell Vehicles FCVs). Ben served on the U.S. Federal Advisory Committee on Personal Vehicle Greenhouse Gas Reductions in 1994-1995. Currently, he participates on the California Fuel Cell Partnership Steering Team, the California Hydrogen Highway Advisory Team, UC Riverside CE-CERT Board of Advisors, and on the Board of the Coordinating Research Council (CRC). He graduated with honors in Mechanical Engineering and in Business Administration (MBA) from Stanford. In his career at Honda R&D that began in 1976, Ben has managed market and technology research, product planning and development for new N.A. models, and served as Honda's first large project leader (LPL) for new model development in North America, coordinating Sales, Manufacturing, and R&D.

**Kenneth S. Kurani**

Associate Research Engineer, ITS-Davis

Ph.D., Civil and Environmental Engineering, 1992, University of California, Davis

Kenneth Kurani is an Associate Researcher at the Institute of Transportation Studies, University of California, Davis. He develops and applies methods to evaluate user responses to new transportation and information technologies, primarily alternative fuel and electric-drive vehicles. His research explores how citizen/consumers use new technologies to shape their own lives and support efforts to achieve collective benefits such as improved energy efficiency, air quality, fuel flexibility, and peace. His ongoing research includes consumer response to electric, hybrid, and plug-in hybrid vehicles, an consumer/citizen valuation of automotive fuel economy and efficiency.

**Timothy Lipman, PhD**

UC Berkeley

Timothy Lipman, PhD, is an energy and environmental technology, economics, and policy researcher and lecturer with the University of California - Berkeley. He is serving as Co-Director for the campus' Transportation Sustainability

Research Center (TSRC), based at the Institute of Transportation Studies, and also as Co-Director of the Pacific Region Combined Heat and Power Application Center (PRAC). Tim's research focuses on electric-drive vehicles, fuel cell technology, combined heat and power systems, renewable energy, and hydrogen infrastructure. He completed a Ph.D. degree in Environmental Policy Analysis with the Graduate Group in Ecology at UC Davis (1999), an M.S. degree in the technology track of the Graduate Group in Transportation Technology and Policy also at UC Davis (1998), and a B.A. from Stanford University (1990). A native of Golden, Colorado, he now lives in the Oakland hills with his wife Susan and son Rowan and enjoys outdoor recreation and travel in his spare time.

### **Craig Louie**

Automotive Fuel Cell Cooperation  
Chief Strategy Officer

Mr. Louie is responsible for developing the company's corporate strategy and external affairs activities. Mr. Louie has worked in the fuel cell field for two decades, including Ballard Power Systems where he worked with both stationary and automotive applications. Mr. Louie holds a Bachelor's of Applied Science in Engineering Physics from the University of British Columbia, and is a Professional Engineer.

### **Ralf Oestreicher**

Daimler AG  
Manager "Product co-operations and up-stream projects" in the strategy department of Mercedes Benz Cars, Daimler AG, Stuttgart, Germany.  
Stuttgart / Germany

Mr. Oestreicher is currently responsible for electric mobility business models, standards and pilot projects. He studied sensor systems technology at the University of Applied Sciences Karlsruhe/Germany and started its career in the product strategy department of Daimler in 1999.

### **Werner Preuschoff**

Daimler AG  
Senior Manager "Vehicle Diagnostics" in Group Research & Advanced Engineering, Daimler AG, Boeblingen, Germany  
Stuttgart Germany

Mr. Preuschoff is responsible for diagnostic communication protocols as well as for the communication interface for e-mobility projects. He studied mechatronics at the University of Applied Sciences Esslingen/Germany. He is active member of ISO/TC22/SC3/Working Group 1, Data Communication.

**Rich Steinberg**

Manager, MINI E Program

Rich Steinberg is the Manager of the MINI E Program for MINI USA (a division of BMW NA). Rich was responsible for the introduction of the MINI E to the US market in his previous capacity as the Manager, Product Strategy for the MINI brand and is currently managing Sales, Marketing & Product Strategy EV topics for the BMW Group.

Rich joined the BMW Group in 1997 with their Financial Services division, and then started up the MINI division in 1999 in advance of the brand's reintroduction to the US market in March, 2002. Rich spent 13 years at Nissan North America before joining BMW. Rich has a Bachelor's Degree in Economics from Trinity College in Hartford, CT.

**Keith Wipke**

National Renewable Energy Laboratory

Senior Engineer and Manager of Hydrogen Analysis

Mr. Wipke is a Senior Engineer and Manager of Hydrogen Analysis at the National Renewable Energy Laboratory, where he has worked in the area of advanced vehicles for over 16 years. The first decade of that time was spent researching hybrid electric vehicles through data collection, analysis, and computer modeling using NREL's advanced vehicle simulator ADVISOR. In 2003 Mr. Wipke moved to the hydrogen group at NREL to work on the Controlled Hydrogen Fleet and Infrastructure Demonstration and Validation Project and lead the Hydrogen Technology Validation team. He now has responsibility for staff working on NREL's H2 Infrastructure Analysis and H2 Education activities. He received his masters degree in mechanical engineering from Stanford University and his undergraduate from UC Santa Barbara. He grew up in Santa Cruz.