Session One: The Role of Freight Transportation in Achieving Clean Air, Climate Goals, Economic Growth, and Healthy Communities in California

11:30am-1:00pm
Friday April 19th, 2013

Partners: UC Davis Institute of Transportation Studies (ITS), Union of Concerned Scientists (UCS), and the UC Center Sacramento (UCCS)

Description: The goal of this forum is to set the stage for subsequent policy forums. Panelists would address the role of a cleaner freight system in simultaneously meeting air quality, climate, economic, and public health and community needs and as well as the need for policy intervention. The forum will provide participants with information regarding the magnitude of emission reductions needed in the freight sector, the timing and relative importance of both incremental improvements and advanced technology adoption, and the types solutions that are likely needed.

Speaker Bios:

Lew Fulton (Moderator) has worked internationally in the field of transport/energy/environment analysis and policy development for over 20 years. He is Co-Director of the NextSTEPS Program within the Institute of Transportation Studies at the University of California, Davis. There he helps lead a range of research activities around new vehicle technologies and new fuels, and how these can gain rapid acceptance in the market. From 2007-2012 he was a Senior Transport Specialist with the International Energy Agency, Paris, as well as acting as Division Head for Energy Technology Policy during 2011-2012. He returned to the IEA in 2007 after working there originally from 1999-2005. During 2006-2007 he worked in Kenya with the UN Environment Program, developing and implementing GEF-funded sustainable transport projects around the world. During the 1990s he also worked at the US Department of Energy for 4 years, and taught at the Independent University of Bangladesh and the University of Maryland.

Don Anair is research director in the California office of the Union of Concerned Scientists' (UCS) Clean Vehicles Program working on state and national transportation, air quality, and global warming policy. As part of his work on heavy-duty vehicle issues, Mr. Anair analyzes the impact of diesel pollution on public health and air quality. He is the author of three reports, "Sick of Soot," "Digging Up Trouble," and "Delivering the Green," which focus on the impacts and solutions to reduce diesel emissions. Mr. Anair also evaluates hybrid and advanced vehicle
technologies and is co-author of "State of Charge", a report which evaluates the global warming emissions and fuel cost savings of electric vehicles throughout the United States. Mr. Anair holds a bachelor's and master's degrees in electrical engineering from Cornell University.

**Jack Kitowski** is the Assistant Chief of the Stationary Source Division for the California Air Resources Board. He is responsible for leading ARB’s efforts to develop and implement a zero/near-zero emission freight system to meet California’s long-term community health, ambient air quality, and climate change goals and standards. He is also responsible for ARB’s fuels programs, including the Low Carbon Fuel Standard (LCFS) and gasoline and diesel fuel specifications. Mr. Kitowski has over twenty years of regulatory, research, testing, and planning experience with the Air Resources Board. He is a graduate of UCLA with a degree in Chemical Engineering and is a registered professional engineer.

**Ed Avol** is Professor of Preventive Medicine at the University of Southern California. He is an exposure assessment and health researcher with almost 40 years’ experience in controlled-exposure human studies, community investigations of human health and exposure, and ambient air quality measurements. He served as Deputy Director of the Children's Health Study and is a key investigator in multiple National Institutes of Health (NIH) investigations of the effects of environmental exposures on children’s respiratory and cardiovascular health. He is a current or recent member of several USEPA panels to review the NOx, SOx, PM, and O3 national ambient air standards, and has worked with numerous community and regional agencies to address air quality and health concerns regarding freeway expansions and seaport-related cargo movement issues.