

Joint Annual Meeting Lectern Session, AMS10/30/40

Session Title: The GHG Reduction Pathway: Where We Are Now, and Plans for Long-Term Mitigation

TRB Event Number: 1150

Presiding Officer: Jonn Axsen, Simon Fraser University (10 minute introduction)

Description: The session will examine our GHG reduction goals by describing where we are now and exploring the key question, "How can we get to where we need to be?" We will cover three broad topics. First, the U.S. EPA will share findings from their newest update to the on-road emissions modeling tool, MOVES. EPA's newest MOVES model version incorporates the latest adopted policies and control programs and establishes the benchmark for expected transportation criteria pollutant and GHG emissions based on current regulations. Second, researchers from MIT will share insights from their study, "Insights into Future Mobility." The MIT findings provide insight into the steps that can be taken to reach national-scale GHG reduction goals. Third, we will share two case studies: important GHG reduction actions being taken in China and California. Speaker presentations will be followed by a vigorous (and uplifting) discussion in which participants can come away with an understanding of the important work that still needs to be accomplished, as well as the tools and approaches available to make needed GHG reductions real within the foreseeable future.

Presenters and Presentation Titles: (15 minutes per speaker)

1. David Choi, U.S. EPA. "The U.S. EPA MOVES model: recent advances and emissions trends."
2. Randall Field and Joanna Moody, Massachusetts Institute of Technology. "Insights into Future Mobility."
3. Jennifer Gress, California Air Resources Board. "California's New Transportation Policies to Reduce Greenhouse Gas Emissions."
4. Xin He, Aramco. "Greenhouse gas consequences of the China dual credit policy."

Schedule: Tuesday, January 26, 2021. 10:00 to 11:30 EST