

Call for Papers
90th TRB Annual Meeting
Transportation and Air Quality Committee (ADC20)

The TRB Committee on Transportation and Air Quality (ADC20) is seeking papers for 7-10 presentations and 8-12 poster exhibits for the January 2011 TRB Annual Meeting. The committee will consider papers for presentations, the poster session, and publication on a broad range of transportation/air quality topics, but will give priority for presentations to papers that address the following:

1. issues currently facing transportation and air quality planners, or
2. research advances that may improve accuracy or validity of emissions inventories or other transportation/air quality technical analyses, or
3. research to help to shape future policy and regulatory directions, and
4. climate change research that advances technical analyses used by State Departments of Transportation, Metropolitan Planning Organizations, and other transportation project sponsors.

Current areas of committee interest include the following:

Analysis Methods and Modeling

- Modal models and microsimulation
- New modeling for PM, MSATs, CO2
- Implementation of MOVES model
- Freight and travel demand estimation
- Development of emission factors
- Climate change effects
- Emission inventory improvements
- Improvements on MOVES defaults

Transportation/Air Quality Policy

- Conformity under the new standards
- Regulations to control diesel emissions
- Evaluations of control measures
- CMAQ program: what's working
- Alternatives to diesel fuel
- PM 2.5 conformity/NEPA

Implementation, Data Needs, Applications

- Multi-modal freight issues
- Impacts of Mexican trucks in the U.S.
- I/M Programs and performance evaluation
- Emission measurements in the lab/on-road
- Data for rural and small urban areas
- Fine PM source characterization
- Project-level approaches: PM and MSATs
- Diesel reduction incentive programs
- New technology to reduce emissions
- Experiences with diesel retrofit programs
- School bus replacement/retrofits
- Truck stop electrification
- Emissions credit/trading programs
- Public education programs
- Addressing precursors to fine PM

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