

CRC 19th ORVEW March 25, 2009

A Poem by Don Stedman

Welcome from Mani, meet new man DiCicco from Ford

"If you don't come by bus tonight, you can not come on board"

Emission control measures

Doug says ozone's going nowhere in CA for only \$1 billion/yr you know.

And Tao not Pablo says some RSD gross emitters are too gross to put on the dyno!

"TP-3 is not so true" and then came Steve with OBD.

3x the failure rate but only 1/7th the repair benefits in BC.

"Did you find out why OBDII I/M lets gross emitters by?" "YES"

Teresa showed that crankcase goes up but old DPFs have great effectiveness.

Oliver Gao is showing us how to do trucks in country and the city

Alberto we know. He doesn't do snow. More numbers but less toxicity.

Mark Besch is using the urea stuff. Garbage pickup is not warm enough.

Emission Trends and Modeling

Tim's hoping for a Berkeley degree today BUT his results disagree with the EPA.

Megan's MOVING an on-road trip BUT you can't use MOVES for your SIP.

Mattingly's going to impact Dallas; closing drive-through banks.

A fiscal bailout package for which Obama might give thanks.

Seong Park's all electric cruise finds a few gross emitters. That's news?

Legislation's coming soon. Needs a model to support it says Seungju Yoon.

Measurement Methods

Nigel's getting older. Diffusion's giving him reduced maxima, fogging his NTE.

Tim DeFries and his friends. "Beyond perhaps, RSD measures evaps." We see.

Kent has a truck with CVS in the rear; add PEMS, easy it's not.

His second shot has ammonia TDL. SCR MAKES NO_x if you drive it real hot.

Acronym Shade does BG-3 on NRTC with FTP and RMC.

The bus engine from Tianjin smoked a lot said Kongjian Qin.

"I've got a plug-in hybrid," says Chris Frey. Does he rhyme with day or die?

MIRAMAR

Miramar was marvelous, heavy lift machines.
Someone should explain to the caterer, behind the scenes,
That we do not have appetites quite like the marines.

Keynote

Patterson's pushing products for his Mitsubishi bosses
Regulators regulate regardless of potential losses.

Emission Rates and Inventory

Gary gave on-road results from 5000 trucks at two LA places.
Imad studied four engines on four cycles with his ACES.
Maureen reports almost 1000 pollutants, covering all the bases.
Carol Wong from Hong Kong, PEMS on minibuses with emissions strong.
Connie's cooking cars in crates, some with induced leakage rates.
The Truck and Bus Rule caused Todd Sax to create a model with new facts.
Using RSD to find evaps! It's quite useful for tailpipes too, chaps!

Portable PM Measurement

Ville has an ETaPS; works even better than he thought.

For his "truth" young Ken has MEL and his PEMS works really swell.

Sonntag's sniffing snowplows, groovy; real-time size-selected movie.

Guidance will come soon from Carl; how to put the PEMS on your dozer.

Tim's emissions vary from month to month even with a 47 degree enclosure.

Matt Hall is setting up a stall. He'll sell you a gizmo with pleasure.

But he doesn't really know exactly what it measure.

Off Road

Nigel wants SCR on tugs. 50% reductions he cannot miss.
Looking at little, local locomotives; then up came Chris.
Carl Fulper's great Q/A on PEMS with tiny error bars.
Running on nostalgia. Olavi's unprofitable railroad cars.
Doh-Won Lee has gritty grader movies which are not pretty.
Varalakshmi has in mind a hybrid RTGC,
While old equipment retrofits are recommended by Song Bai from UCD.

Particulate Matter Characterization

Hasty Hector's on the real-time panel, workshopping with Matti Maricq.
ARB had better ban smoking in cars. One smoker is about 1000 mg/mile at the peak.
Michael G. is trying to reduce variability from run to run.
Although most emissions come from the highly variable emitters under the sun.
Jim is coming CLOSER. On-road high emitter varies more than 5x the low emitters' load.
Dave dilutes with outside air. Perilously close to a remote sensing affair.
Jacob Swanson's hot CRT emits nanoparticle sulfate above 380°C.
Arvind's SCR for sure highly depends on temperature.

Fuel Effects

It helps to reduce uncertainty if you only get one Dodge to drive
And if it won't start in a Minnesota winter using E85.

Guido from VITO likes purified vegetable oil

While Matt likes methyl esters that he does not have to boil.

Daniel Carder specially made a palm-oil cycle for Miami-Dade.

Simsoo Park came here from Seoul. Says DPFs work great on the
whole.

Harold's got a new exercise ride, using a cycle, unified.

Kent Hoekman's doing a literature screen under CRC AVFL-17.

Keith's emission study gives me jitters.

First he threw away the high emitters.

Thank you Brent, Chris, Jan, Pam and Jane

The 19th successful conference. Thanks again.