

15th CRC 2005
By Donald H. Stedman

Steve and Mani. Tim gives Steve a clock to go
With CRC's Real-World stressball. Squeeze but do not throw!

Gene didn't come; sent Ed and Ed. Two Eds are better than one.
MOVES might use on-road emissions data! What fun.
Models new: not CO₂; Red states and Blue.
RSD is not a myth! Who is it that Oprah's with?
Warila's algebra is RSD wired! Phil Lorang must have retired!
Car is hot in 100 seconds flat, and cold if 100 minutes sat.

Ann Arbor says "L.A. is flat, and cars speed under power."
Their driver must be just like me. Clearly avoids rush hour.
Lap Yan Pao has EMFAC now. Hong Kong's flat too! So what is new?
JCAP's Hirai has an RSD supply; older trucks with gross emitter trends.
It isn't just Randy's wife who speeds, it's 476 of his friends!

Sierra's Frank, "EMFAC's not what's on-road." Who actually wrote the
EMFAC code?
Frey is measuring emitters small, but only the gross emitters matter at all.
Broad back(ground) Nigel loads up trucks and such.
Teresa's Fisher-Tropsch fuel works OK, but costs too much.
Aniket can not quite get his flow enough for loco stuff.

Mridul has a consent decree to make his box much smaller.
Aniket hasn't got a job yet. He's awaiting a suitable caller.
Red-light Hector; lots of trucks, some successfully fixed.
CNG used to be cheap. Treated its emissions are nixed.

Day 2

"TX40 reads too high," says Imad from SwRI.
Partial flow says Alberto is a tough go. Try ratio?
Golly gee! Virginia's Linsey with a \$2 million lab can do inventory.
Guido is a regular Guy. Measures ammonia on the fly.
Hiroshi from HORIBA's got a nifty vacuum PEMS that's hot.
Hector's really coming around. PEMS emissions on-road!
He's using my single roll dyno. Radius 6000 kilometers and realistic load.
Fulper's fighting flowmeters that he really does not need.
Set the standards in gm/kg. And get polluters "unsafe at any speed."

Sandeep helps Carl from EPA to up the hits to 5 cars per day!
PM results are really neat. 50% of the particles from 4% of the fleet!
Old lube oil makes more PHAs. Eric's graphs are colored and barred.

NuStats Mia has accepters and refusers soft and hard.
Collins says the war's not over but we can relax.
Stock up on HC 134 before California does a ban (or a punitive tax).

Savonis has no budget. House and Senate arguments are not funny.
Furthermore if your air improves, you can't get at his money!
Patterson from down under brings you catalyst data.
Dr. Claudio's collecting cars and his lidar's getting smarter.
What do you know! A terrible blow! Tim to go.
A 35 year successful career; government and industry debate.
Would he advise me to change my stripes and start to collaborate?

Hannah from Toyota showed that OBD compliance is really good.
Take your Toyota to BC's I/M to avoid Steve Stewart under your hood!

Catalytic reduction is freer if the driver contributes the urea!
Ron's CARBOn canister replacement's a non-starter.
Sharon's DPF retrofit looks quite a bit smarter.
Slott showed a lot of RSDs, finding frightful cars a breeze.

Third Day

And on the third day Tim said, "Cruise!"
And so we did with schmooze and booze
And yet more food and it was Good!

Harold's rigs remain stark naked. Ethanol enhanced emissions specially
when baked.
Steve's presentation seems to say that I'll break state law when I use
ethanol today.
Ben agrees that even CARBOB doesn't do the job.
Ethanol is good in beer or tequila with a lime,
But its effect on CARB is unreadable slides and inability to keep to time.
Tom two's testing irrelevant cars again. Ethanol results he can not tell.
Full prof. Chris is doing actual measurements and looks to do them well.
Kinsey doing biodiesel too, with a nice big rig which looks quite new.

Doug does neat stuff out of NREL, but results he also can not tell.
Charlie shows distressing trends. If you must breathe do not do it on
weekends!
Unless you don't like NOx or soot; in which case breathe on Sunday.
Finland's not flat. Olavi knows that. But he will fix it one day!

I had my chance in Asia. Now ESP the measurements make.
Alan has crawled out of his tunnel; TRAKing students around Tahoe Lake

Booker backstops Bruce (not here). QCM does not equal gravimetric but it's near?

Alberto's back. He has the knack of measuring nanoparticles truck by truck.

I want an EEPS by my RSD tracks, but I do not have enough greenbacks!

Dave does EEPS with acronyms. 300 meters downwind his snake has died.

Even "speeding ticket" Carlock could not slow the Kittelson slide.

Nigel takes his tunnel with him. Measuring vehicles weighty.

If he thinks trucks do 67, he's never driven on I-80!

Perhaps a DMM is what I need for my sins? Is it any cheaper if made by the Finns?

* * *

Thank you Lois, Jan, Brent and Tim.

How could you leave us on this whim?

Just to be a good Grandfather new.

Your "children" here will all miss you.

Don Stedman

April 6, 2005