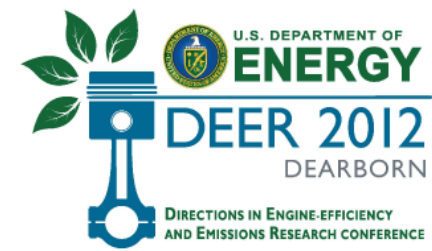




**POSTER PRESENTATION SESSION Part 2:  
High-Efficiency Engine Technologies and  
Emission Control Technologies  
Wednesday, October 17, 2012**



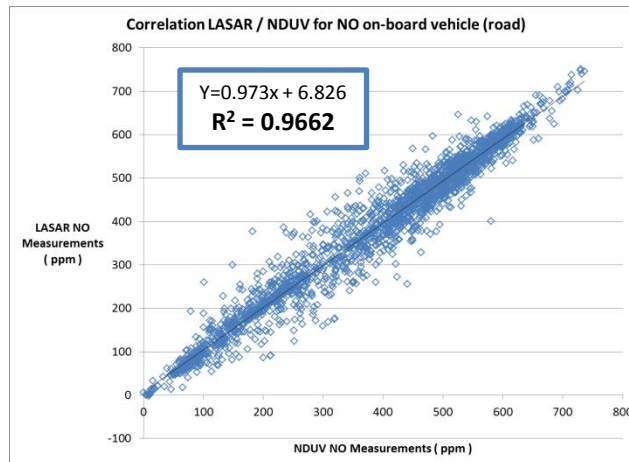
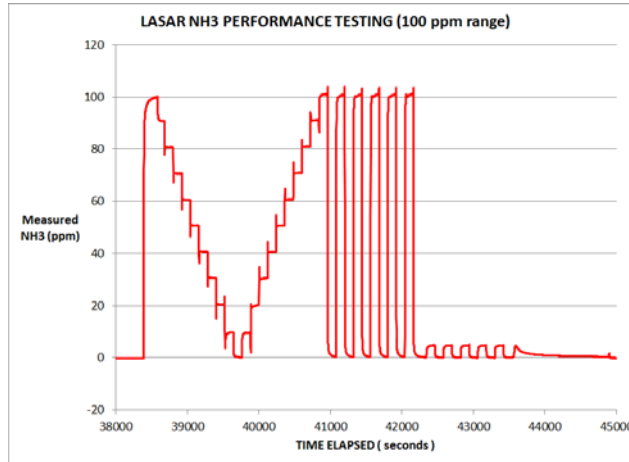
**Poster P-13**

# On-Board Measurement of Ammonia and Nitrous Oxide Using Feedback Absorption Laser Spectroscopy Combined with Amplified Resonance and Low Pressure Sampling.

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## Poster P-13



- Analytical performance qualification of a modulated continuous wave high-resolution narrow band infrared analyzer as defined in 40 CFR part 1065.275(b)(3).
- Modeling of interference-free measurement for NH<sub>3</sub> and N<sub>2</sub>O.
- Results of correlation study for the on-road measurement of NO using a Laser-based spectrometer and an NDUV spectrometer in parallel.
- Brief description of operational benefits of Laser Absorption Spectroscopy with Amplified Resonance (LASAR) and Very-Low Pressure Sampling (VLPS)

