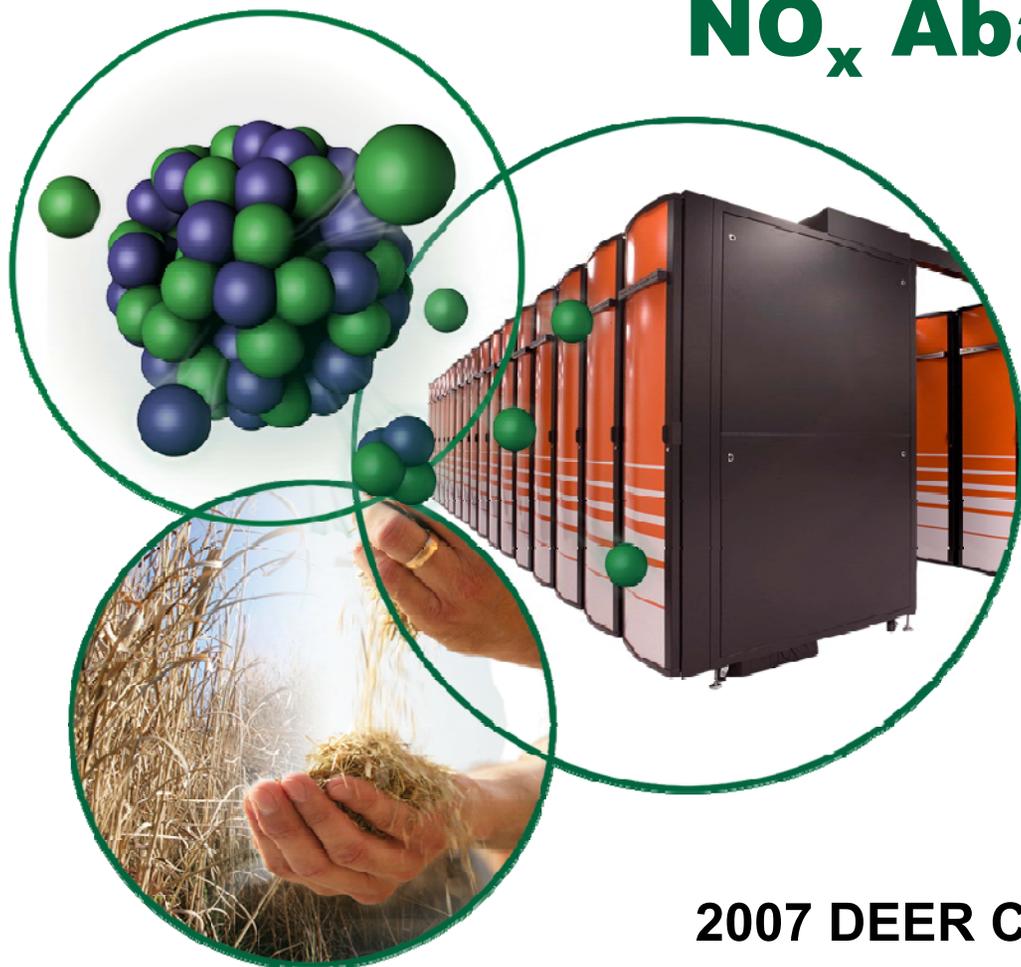


Rapid Aging Protocols for Diesel Aftertreatment Devices: NO_x Abatement Catalysts



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Thermal Aging of Lean NO_x Traps (P-10)

- Thermal Aging Protocol developed
 - Both engine and bench procedures
 - LNTs from BASF and Delphi evaluated
- Thermal aging at T < 800°C has only small impact
- T ≥ 900°C significantly degrades performance
- Some materials effects observed at all temperatures
- Above ~850°C additional effects observed
- Correlation and modeling of performance and material changes

