

Sponsor : Lee Slezak Vehicle Technologies Program U.S. Department of Energy



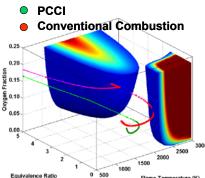
Poster – P8



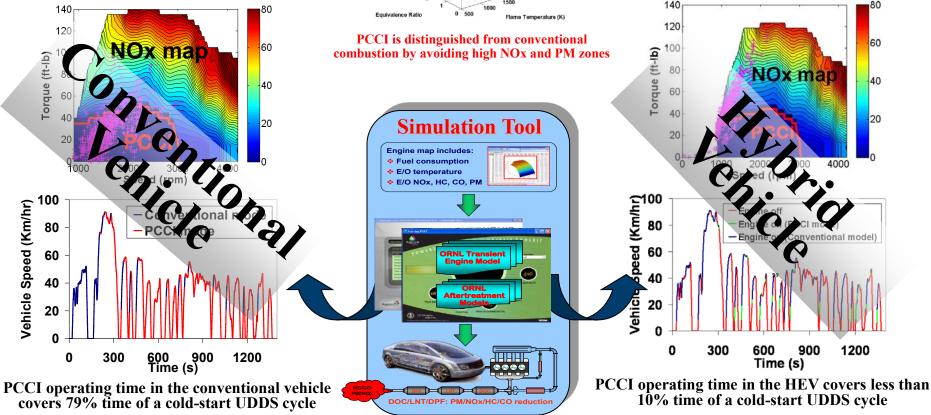
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Our simulated vehicles include diesel-powered conventional and hybrid vehicles equipped with DOC/LNT/CDPF

- PCCI improves fuel economy and NOx emissions in our simulated conventional vehicle by decreasing LNT and DPF regeneration frequency
- HC and CO tailpipe emissions can be also reduced by PCCI when less frequent LNT regeneration is required



- PCCI provides less benefit in our simulated HEV because the PCCI mode is used only in a much smaller part of the drive cycle
- HEV starts engine only at high vehicle load conditions



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