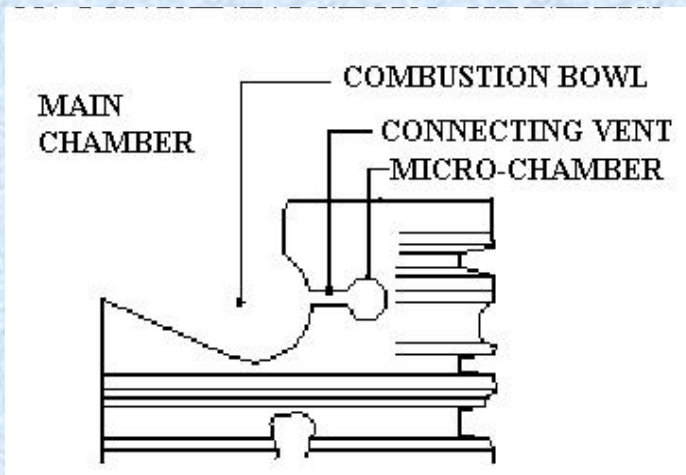


**DEER Conference 2008 – Poster Session
August 4, Grand Ballroom, Location P-10**



OVERVIEW OF SONEX COMBUSTION SYSTEMS (SCS) FOR DI ENGINES



SCS DI ENGINE PISTON

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OVERVIEW OF SONEX COMBUSTION SYSTEMS (SCS) FOR DI ENGINES



- LSDD is a Turbulence Generator For Soot Reduction



- SCAI enables Controlled Auto Ignition of Low Cetane Fuels

Computational Verification

- See: *RICARDO Paper SAE 2002-01-1682 to understand the LSDD soot reduction process.*
- See: *SONEX Paper SAE 2004-01-1677 to understand the SCAI Ignition Enabling process.*

Experimental Verification

- See: *DARPA Report for Experimental Verification of the SCAI process with HFEs also its SONEX Extension to GDI.*