Objectives

- Probe the effects of high ignition quality fuels on early injection PCCI, specifically HECC.
- Understand the underlying causes of THC and CO emissions during PCCI combustion.
- Reduce THC and CO emissions during PCCI combustion while maintaining efficiency.

Acknowledgment

- LTFT fuel provided by ConocoPhillips and financial support from GM R&D Laboratory.
Advanced Diesel Combustion with Low Hydrocarbon and Carbon Monoxide Emissions

Poster Location P-19

- Diagram showing ROHR (Right-Handed Rotation) vs. Crankangle for different fuel types and conditions.
- Graph showing NOx emissions vs. Maximum ROHR for diesel, HTFT, and LTFT fuels.
- Bar chart comparing BTE (%), NOx, BSPM, THC, and CO emissions for different fuels.