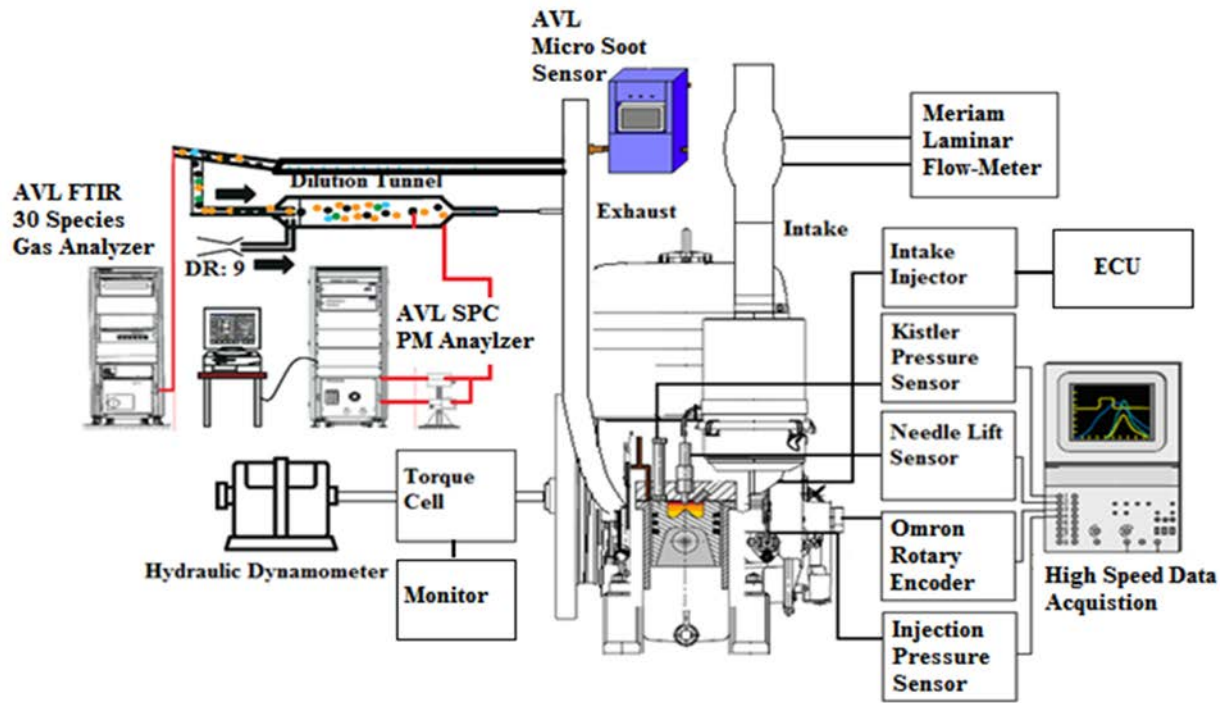
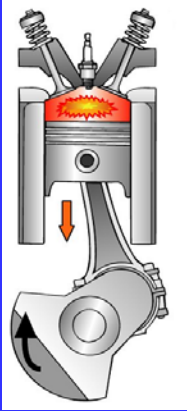


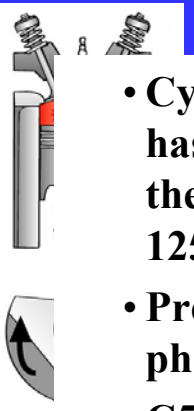
# Idling Emissions Reduction Technology with Low Temperature Combustion of DI Biodiesel and PFI n-Butanol



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**Combustion Laboratory**  
**Poster Location : P-07**

**Georgia Southern University**





- Cylinder temperature has been maintained in the LTC region of 1250K
- Premixed combustion phase has disappeared.
- C50 moved 40 CAD later in the power stroke.
- 80% Reduction in soot and over 60% reduction in NOx at idling speed

