Study on power source by using bio-fuel for next gen. mobility

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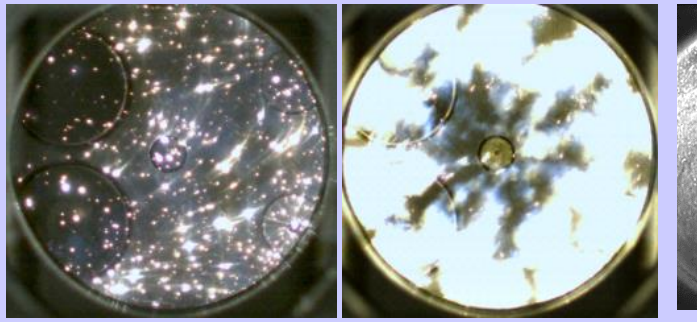
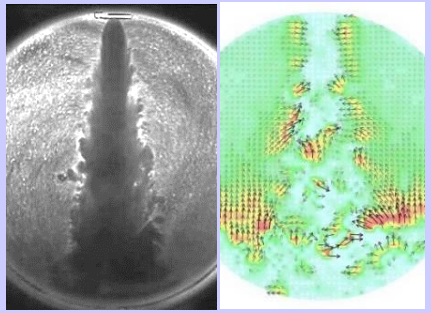
Research Area

1. Atomization characteristics of bio diesel spray.
2. Jet characteristics of bio gas.
3. Evaporation and mixing processes of bio diesel spray
4. Ignition and combustion processes of bio diesel engine.
5. Development of DI bio-gas engine and pilot-ignited bio-gas engine.
6. Development of onboard-sensor for fuel property.
7. Research on thermal energy management.



Diesel Engine Combustion by using Bio-fuel



Mixing Processes of Gas Jet

Recent Activities

- T. Morimoto, M. Tabata, F. Saito and Y. Noh, Effect of injection timing on ignition characteristics of bio fuel diesel engine, Proceedings of the 26th Internal Combustion Engine Symposium, Kyoto, Japan (2015-12)