

Maruta & Morii/ H.Nakamura Lab.

Development of Innovative Combustion Technology

Keywords

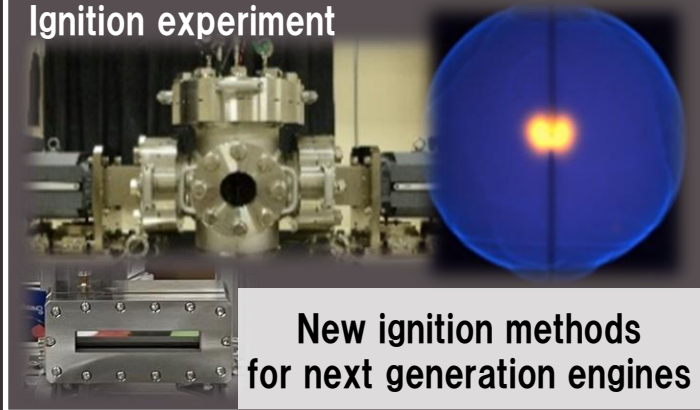
Combustion, Energy, Engine, New concept fuel

Microgravity Combustion



High Efficient SI Engine

Ignition experiment



Combustion Analysis

Fire safety

Working fluids for refrigerators
「Hydrofluorocarbon refrigerants」

Lithium-ion batteries
「Electrolytes」

Sustainable energy

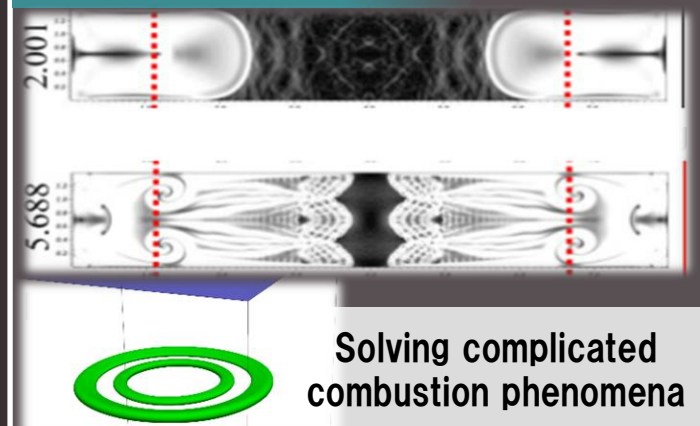
Carbon-neutral fuels
Alternative fuels

Ammonia • Hydrogen

NH_3

A brand-new method to evaluate fuel reactivity

Supercomputing



Features of our laboratory

- State-of-the-art techniques for experiment & computation
- Various opportunities for international experiences
 - Participation for international conference (USA, Italy...etc.)
 - International students are welcomed!
- Collaborative researches with leading companies



Lab HP



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