Special Issue

New Controlled Combustion Processes with Gaseous and Liquid Fuels

Message from the Guest Editor

Gas and liquid fuels are widely used in power equipment such as gas turbines, boilers, aircraft engines, and automotive engines. In order to achieve efficient and clean combustion of gaseous and liquid fuels in such equipment, an in-depth understanding of the fundamental combustion characteristics of fuels and the reaction kinetic mechanism is crucial and useful for the development of advanced combustion and control technology. This Special Issue on “New Controlled Combustion Processes with Gaseous and Liquid Fuels” aims to organize novel advances in understanding and controlling combustion in gaseous and liquid fuels to address the challenge of the energy and combustion field. Topics include, but are not limited to:

- Combustion characteristics and control of gaseous and liquid fuels;
- Kinetics and combustion modeling of gaseous and liquid fuels;
- Advanced combustion diagnostics with in situ measurement techniques;
- New advanced combustion technology of gaseous and liquid fuels;
- Emission control in the combustion of gaseous and liquid fuels.

Guest Editor

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Editor-in-Chief

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