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## **State-of-the-Art on Hydrogen Combustion**

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## **Message from the Guest Editors**

Dear Colleagues,

The aim of the Special Issue is to gather comprehensive data about the kinetics and gasdynamics of hydrogen combustion. Nowadays, hydrogen is considered as a prospective energy carrier, so the issues arise concerning the effective and safe use, storage and transport. To get a clear understanding how to develop the strategy of hydrogen energy it is important to understand how the hydrogen combustion and explosion develop both under controlled conditions inside combustors and in the course of accidents.

The scope of the Special Issue includes the issues related but not limited to:

- hydrogen oxidation kinetics;
- hydrogen explosion;
- hydrogen combustion including deflagration and turbulent combustion;
- hydrogen detonation;
- concentration flammability limits;
- control of hydrogen combustion;
- experimental study of hydrogen combustion;
- numerical study of hydrogen combustion.

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