



State-of-the-Art on Hydrogen Combustion

Guest Editors:

Prof. Dr. Alexey D. Kiverin

Joint Institute for High
Temperatures of the Russian
Academy of Sciences, Izhorskaya
St. 13 Bd. 2, 125412 Moscow,
Russia

Dr. Pavel N. Krivosheyev

A.V. Luikov Heat and Mass
Transfer Institute of the National
Academy of Sciences of Belarus,
Minsk, Belarus

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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.

Prof. Dr. Alexey D. Kiverin

Dr. Pavel N. Krivosheyev

Guest Editors





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Editor-in-Chief

Dr. Grant Williamson

School of Biological Sciences,
University of Tasmania, Private
Bag 55, Hobart, TAS 7001,
Australia

Message from the Editor-in-Chief

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Fire Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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