



Sustainable Fuel Spray, Fuel Film Formation and Combustion Applied in Low-Carbon Powertrains

Guest Editors:

Dr. Hongliang Luo

Associate Professor, College of
Power and Energy Engineering,
Harbin Engineering University,
Harbin 150001, China

Dr. Yanzhao An

State Key Laboratory of Engines,
Tianjin University, Tianjin 300072,
China

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Message from the Guest Editors

Nowadays, decreasing carbon-emission has become the global theme. Therefore, in order to achieve the carbon neutrality in the middle of this century, many efforts should be done for the low- and zero- combustion applied in vehicles, marines, gas turbines and even aircraft engines. Fuel spray and combustion have significant effects on the efficiency and emission. And much more investigations should be done to develop new models and strategies for low-carbon engines. Besides, in the recent decades, e-fuel become popular and could be obtained successfully by the help of solar and wind energies. In such a case, the sustainable fuels could continue to survive in the future. Therefore, the special issue from Sustainability is organized and named as “Sustainable Fuel Spray, Fuel Film Formation and Combustion Applied in Low-carbon Powertrains”. Now, we are encouraging all the scholars to contribute to it and report your good ideas and achievements.

Potential topics include but are not limited to: Liquid spray and impingement; E-fuel characteristics; Fuel film formation; Low-carbon combustion; Development of zero and low carbon fuels; Model development in spray and combustion.





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Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
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