## Special Issue

## Performance and Emissions of Advanced Fuels in Combustion Engines

### Message from the Guest Editors

The impact of climate change is growing more severe around the globe and there is clear evidence that the 1.5 °C temperature cap established in the Paris Agreement is not going to be achieved, given the current actions taken. It is critical for every country around the world to reduce their CO2 emissions in every sector possible. The use of decarbonized fuels or carbon-neutral fuels in internal combustion will help the world cope with these problems. With very small changes, these ICEs could provide a similar power and flexibility to that of conventional ICEs by burning hydrogen, ammonia, ethanol, or methanol. Topics of interest for this Special Issue include, but are not limited to, the following:

- The performance and emissions of engines powered by decarbonized fuels such as hydrogen and ammonia.
- The performance and emissions of engines powered by biofuels such as ethanol and methanol.
- The modelling and testing of the spray, flow, and combustion of advanced fuels.
- The use of low-carbon fuels in hybrid applications.
- The using of advanced fuels in Wankel engines and two-stroke engines.

#### **Guest Editors**

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Dr. Dai Liu

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### Deadline for manuscript submissions

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### Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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