Special Issue

Machine Learning Applications to Combustion Engines

Message from the Guest Editor

Applications of machine learning and artificial intelligence is growing and leading to tremendous advancements in areas of energy and transportation. This emergent trend is also visible in combustion engines research as it continues to advance focus areas such as combustion strategy, performance, fuel efficiency, emissions. Such applications have led to new possibilities combining expertise of engine researchers with data driven methods to make transportation more sustainable. To bring such research efforts on one platform, this special issue seeks to invite submissions in form of case studies, review articles, short communications, original research articles in machine learning applications to combustion engines. This special issue will focus on applications of machine learning and artificial intelligence methods to combustion engines in various areas including:

- Engine controls
- Fuel properties detection
- Emissions prediction
- Knock and preignition detection and/or mitigation
- Advanced combustion strategies

Guest Editor

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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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