Special Issue

Advanced Calibration Methodologies for a New Generation of Engines and Powertrains

Message from the Guest Editors

To achieve the ambitious goals of meeting increasingly stringent emissions standards within the Real Driving Emissions test protocols, simultaneously reaching the challenging post-2020 CO2 emissions targets, the automotive industry is going to explore an unprecedent technological mix, ranging from advanced fuel and air management, to combustion technologies, to aftertreatment systems towards a soft/deep electrification of innovative powertrains. In this scenario, the calibration activity becomes an essential part of the product development process with the aim of finding the optimal merge among different technologies.

This Special Issue aims, therefore, at encouraging both academic and industrial researchers to present their latest findings concerning advanced calibration methodology for engines and powertrains, especially integrating experimental activity at the test bench with the support of reliable model in a virtual environment. The authors should provide to the readers a comprehensive, unbiased, and scientifically sound overview of the most recent research and methodological approaches.

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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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