Optimization and Design of Carbon-Free Internal Combustion Engine Systems

Guest Editor:

Dr. Mirko Baratta
Dipartimento Energia DENERG, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy

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Message from the Guest Editor

The focus of this Special Issue is concentrated on the demonstration of how a dedicated ICE design, which can target the specific engine power range within a defined hybrid solution, is probably the most effective and fast root to decarbonisation. Possible developments are focused on innovative ignition and combustion concepts, bio-fuel and H2 engine optimization, as well as subsystem development. Both modelling and experimental works, as well as papers combining both of them, are appreciated.

Topic of interest include, but are not limited to:

- Pre-chamber lean-burn NG and NG-H2 engines;
- Direct injection H2 engines;
- Development of new generation boosting systems;
- Biofuel and hydrogen injection systems;
- Biofuel combustion systems modelling and optimization.

Special Issue

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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