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Internal Combustion Engine Performance 2024

Guest Editor:

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Deadline for manuscript submissions:

5 March 2025

Message from the Guest Editor

In this context, the 2024 issue of "Internal Combustion Engine Performance" aims to gather further innovative research and offer important developments for the field of the internal combustion engine.

More specifically, topics of interest for the Special Issue include (but are not limited to):

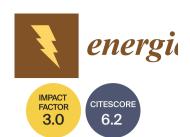
- Combustion mechanisms in spark and compression ignition engines;
- Fuel injection and spray formation;
- Pollutants formation (particulate matter, NOx, CO, HC, noise);
- Exhaust after-treatment systems (three-way catalysts, oxidation catalysts, diesel and gasoline particulate filters, SCR, NOx adsorbers);
- Internal measures for emission control (EGR. water injection, etc.);
- Exhaust heat Recuperation Systems (Rankine cycle, turbocompound etc.);
- Engine downsizing;

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- Effects on engine structure and design due to increased performance demands;
- Special problems associated with large-scale twostroke engines performance emission and reduction;
- Alternative fuels' and biofuels' effects on engine performance and emissions (ethanol, butanol, biodiesel. etc.):
- Recent advances in internal combustion engines experimentati

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Editor-in-Chief

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Message from the Editor-in-Chief

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