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Direct Injection Reciprocating Internal Combustion Engines

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Deadline for manuscript submissions:
closed (15 June 2019)

Message from the Guest Editors

Reciprocating Internal Combustion Engines (RICEs) have been intensively developed over the last 140 years. As a consequence, they are the most robust and efficient machines to cover ground and marine transport demands. Road transport and off-road power needs will continue being successfully satisfied by this type of thermos–fluid machines in the short to mid-term, since alternatives are still very immature to effectively protect the environment and deal with global warming, also offering the performance expected by potential customers. Scientific and technically-advanced works, highlighting any of previous topics surrounding RICEs, are welcome.

Keywords

- Advanced concepts for reciprocating internal combustion engines RICEs
- Fuel injection and combustion processes in compression ignition and spark ignition RICEs
- Air management and thermal management of RICEs
- Turbocharging and supercharging of RICEs
- RICEs pollutant emissions formation and their abatement
- NVH of RICEs
- RICEs lubrication and lubricants
- RICEs architectures, hybridization and their control

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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