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Modeling and Diagnostics of Fuel Injection Systems

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Message from the Guest Editor

Dear Colleagues,

This Special Issue will focus on all those topics that constitute the "cutting-edge", the frontier of the evolution of injection systems, both in the field of diesel engines and gasoline engines, whether for light applications or heavy. Both experimental studies and modeling-based studies (LP, three-dimensional, or multidimensional) that take into consideration the typical processes and performances of the injection system or its components are invited. Among the others, particular consideration will be devoted to the following:

- Use of alternative fuels
- Unconventional components and solutions (injectors, pumps, pipes, nozzles)
- Rate of injection and the spray characteristics
- Innovative techniques of diagnosis and measuring techniques in the field of injection systems
- Innovative techniques of modeling and simulation in the field of injection systems
- Mechanical-hydraulic behavior of the injection systems
- Problems relating to the injection strategy

Dr. Fulvio Palmieri

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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