

Special Issue

Powertrain Design and Control in Sustainable Electric Vehicles

Message from the Guest Editors

Since the transportation electrification trend began to sweep the automotive industry, powertrain configurations and control methods have changed greatly. The introduction of electric machines in powertrains not only offers various ways to improve vehicle performance and energy efficiency but also brings about challenges for academics and engineers to meet the emerging requirements. With the increase in system components, e.g., more energy sources and power sources, it is very difficult to balance the rapid iteration of system performance, advanced technology, and consumers' needs. In consequence, it is essential to create, adapt, and apply theories, methods, and technologies for every segment of electric vehicles to achieve multi-object optimization in terms of dynamics, energy, lifetime, and cost. The aim of this Special Issue is to provide a platform to introduce state-of-the-art theories, methods, technologies, and any other methods to further improve electrified powertrain performance sustainability, including, but not limited to, configuration, efficiency, dynamic, weight, cost, and lifetime. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

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