



Tribology in Vehicles

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Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

As a discipline, tribology has by now spread across the whole world and is becoming ever more critical as vehicles of all classes are required to be faster, quieter and more efficient. To meet the continuous increase in the severity of government regulations, new road vehicles are required to have better performance in terms of energy-saving attributes, pollution, NVH (noise, vibration and harshness) and mechanical efficiency. Definitely hybrid vehicles (HEVs) and pure electric vehicles (EVs) will become dominate in the future. It remains the case, however, that by 2040 vehicles equipped with internal combustion engines may well account for a significant proportion of the global annual sales of passenger and commercial vehicles, necessitating further work on the efficiencies of IC engines in the present. Combustion engines that burning hydrogen may well find applications in off-road, heavy-duty or agricultural vehicles. Therefore, new tribological problems associated with these combustion engines must be solved.

