

*International Journal of*

# Vehicle Performance

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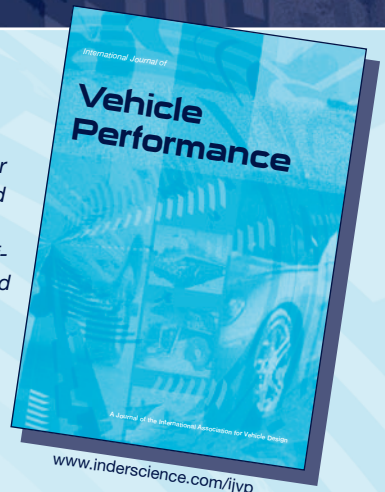
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A Journal of the International Association  
for Vehicle Design

# Scope of the Journal

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*IJVP, a journal of the International Association for Vehicle Design, addresses multidisciplinary issues relevant to performance of ground vehicle systems and sub-systems for vehicle engineers/scientists. Its scope covers theoretical and experimental developments in performance analyses/assessments of ground vehicles including road, off-road, all-terrain and guided vehicles. In light of the diversified performance requirements for different vehicles, IJVP focuses on identification of measures relevant to different performance aspects of a vehicle system and new concepts/methods/pioneering techniques in analysis/assessment/improvements in vehicle performance.*



## Topics covered include:

- Ground vehicles: performance requirements, analyses, assessments, measures
- Vehicle system performance cascading to subsystems
- Impact of component/subsystem designs
- Ride, handling, roll stability, traction/braking, directional control/guidance, NVH
- Crashworthiness/crash prevention, road-friendliness, early warning systems
- Interdisciplinary integration/cost/compatibility, multi-solution optimisation
- Driver performance, behaviour, modelling
- Standardised performance analysis methods
- Disturbances, motions, forces affecting performance
- Stability enhancement, active safety, driver assistance
- Electric/hybrid vehicles, power management systems
- Tyre/track performance, deformable/non-deformable terrains
- Racing car dynamics, handling/stability at the limits, impact of green racing
- Computational fluid dynamics (CFD) and thermal management
- Differences among various levels of autonomous vehicles

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