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# Criteria for driver impairment

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## Abstract

Most traffic accidents can be attributed to driver impairment, e.g. inattention, fatigue, intoxication, etc. It is now technically feasible to monitor and diagnose driver behaviour with respect to impairment with the aid of a limited number of in-vehicle sensors. However, a valid framework for the evaluation of driver impairment is still lacking. To provide an acceptable definition of driver impairment, a method to assess absolute and relative criteria was proposed to fulfil the paradoxical goal of defining impaired driving which is consistent yet adaptable to interindividual differences.

Keywords:

Driver Impairment

Detection Criteria

## Related Research Data

### Impairment of Driving Performance Caused by Sleep Deprivation or Alcohol: A Comparative Study

Source: Human Factors The Journal of the Human Factors and Ergonomics Society

### Anxiety and Performance: The Processing Efficiency Theory

Source: Cognition & Emotion

### The feasibility of detecting phone-use related driver distraction

Source: International Journal of Vehicle Design

### The Development of a Time-Related Measure to Describe Driving Strategy

Source: Human Factors The Journal of the Human Factors and Ergonomics Society

### How to measure driving ability under the influence of alcohol and drugs, and why

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