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Presenter: Mark Symmons, monash university

Other Contributors: Geoff Rose, Monash University

## A Critical Review of Ecodrive Training: Promise vs Reality

Ecodriving involves monitoring engine revolutions to make timely gear changes, traveling at an optimum speed for the gear and engine's torque curve, and anticipating traffic conditions. Thus ecodriving emphasises a smooth driving style. Drivers are encouraged to "flow" the vehicle, anticipating potential interactions by looking further down the traffic stream in order to brake less forcefully and less often and avoid unnecessary acceleration – maximally conserving momentum. A lot has been written about ecodrive training, in the main the majority of it positive. However, a more careful analysis of the so-called evidence for its effectiveness raises a number of important questions. A large proportion of the studies published are flawed from the viewpoint of rigorous experimental research, or else contain insufficient detail to determine their rigour. For example, the lack of a control group to enable the effects of situational and environmental effects to be accounted for is a significant oversight. The wide range of outcomes, varying from no effect to between 20 and 30% reported savings in fuel consumed attest to the lack of consistency in methods employed. The proposed paper makes critical comment on a large body of published research, separating those studies conducted rigorously from those performed in a more questionable manner.