

Influence of Mental Load on Driver's Attention



MOUŠEK, R., ŮONDÍK, T. Influence of Mental Load on Driver's Attention. *Transaction on Transport Sciences*, 2012, ro?. 5, ? 1, s. 21-26. ISSN: 1802-971X

This paper deals with influence of mental load on drivers' attention. EEG (electroencephalography) and ERP (event related potentials) techniques are used for investigation of the level of drivers' attention. A short overview of experiments dealing with drivers' attention is given and the ERP technique and the P3 component are described. General assumptions related to P3 amplitude and P3 latency are introduced. Then experimental design and the course of the experiment are described. The resulting EEG/ERP data are analyzed and their interpretation is provided.