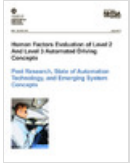



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Human Factors Evaluation of Level 2 and Level 3 Automated Driving Concepts: Past Research, State of Automation Technology, and Emerging System Concepts



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Abstract

Within the context of automation Levels 2 and 3, this report documents the proceedings from a literature review of key human factors studies that was performed related to automated vehicle operations. This document expands and updates the results from a prior literature review that was performed for the US DOT. Content within this document reflects the latest research and OEM activity as of June 2013. Studies both directly addressing automated driving, and those relevant to automated driving concepts have been included. Additionally, documents beyond the academic literature, such as articles, summaries, and presentations from original equipment manufacturers and suppliers, have been researched. Information from both United States and international projects and researchers is included. This document also identifies automated-driving relevant databases in support of future research efforts.

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Different systems will handle different degrees of road curvatures and react in particular ways to lane markings for at freeway exits. Some are intended for highway use and will not activate at lower speeds. SAE 3016 is a definitions document, not a performance document. I run a consultancy focused on strategy and partnerships in the vast ecosystem of automated driving. I work with tech developers, vehicle-makers, regulators, and others. ... [Read More](#). I run a consultancy focused on strategy and partnerships in the vast ecosystem of automated driving.

- Identify six levels of driving automation from “no automation” to “full automation”.
- Base definitions and levels on functional aspects of technology.
- Describe categorical distinctions for a step-wise progression through the levels.
- Are consistent with current industry practice.
- Eliminate confusion and are useful across numerous disciplines (engineering, legal, media, and public discourse).
- Educate a wider community by clarifying for each level what role (if any) drivers have in performing the. dynamic driving task while a driving automation system is engaged.

Over for a table summ