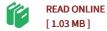


## **Collision Avoidance Systems for Mine Haul Trucks**

## By Patrick Glynn

VDM Verlag. Paperback. Book Condition: New. Paperback. 268 pages. Dimensions: 8.9in. x 5.9in. x 0.7in.A suite of new collision avoidance systems (CAS) is presented for use in heavy vehicles whose structure and size necessarily impede driver visibility is introduced. The main goal of the project is to determine the appropriate use of each of the commercially available technologies and, produce a low cost variant suitable for use in proximity detection on large mine haul trucks. The CAS 2 system used low cost Doppler radar antennae coupled to the CAS 1 monitor to indicate the presence of an object moving at any speed above 3 Kmh relative to the antennae. The novelty of the CAS 3 system lies in the design of 3 modules. The modules are 8 radar antennae (as used in CAS 2) modules located on the truck, software to interface with the end user and a display unit. Modularisation enables the components to be independently tested, evaluated and replaced when in use. The radar antennae modules and the system as a whole are described together with the empirical tests conducted and results obtained. The tests, drawing on Monte-Carlo simulation techniques, demonstrate both the correctness of the implementations and...



## Reviews

This pdf is really gripping and intriguing. it was actually writtern very completely and beneficial. You wont really feel monotony at whenever you want of your time (that's what catalogues are for about in the event you request me). -- Ms. Gracie Nicolas

A very awesome ebook with perfect and lucid information. It is really simplified but unexpected situations in the 50 % of your pdf. I am pleased to let you know that here is the greatest book i have study inside my very own lifestyle and can be he greatest ebook for at any time. -- Noah Bruen