Adv Automob Eng 2015, 4:1
http://dx.doi.org/10.4172/2167-7670.C1.003

OMICS International
conferenceseries.com

Functional safety of alternative propulsion vehicles

Ahmed Helal
Menoufia University, Egypt

We must always be looking for ways to avoid the occurrence of traffic accidents that occur when you increase the speed or a defect in the car's steering wheel imbalance and the development of automotive engineering should be looking for the causes of accidents and to which the causes mistakes in automobile production and treatment before finding a welfare. The statistics indicate the death of about 1.24 million people die each year as a result of traffic accidents (World Health Organization). With technological advances, it is sheer shame that we have to transfer idly without saving these lives that die day after day should not be late; it is the responsibility of all of us (Production Engineers). Now, with all this technology, addressing the problems of cars and protect passengers not only our goal but now we have to find a way to avoid the occurrence of cars and anticipate events before they occur. These are some proposals that can assist in making safe cars expect accidents and ensure driver and passenger: The development of the next generation of vehicles to be equipped with computers with 360 degrees of the vehicle in the event of a traffic accident, to drive on their own to find alternative routes or refer to the need to use the brakes on fast launches consulting within five seconds to prevent car accidents, the development of modern technologies and innovative applications thus reducing accidents and reduce the incidence of collisions and the realization of the principle of safedriving technology, cameras, radar and Ultrasonic sensors, It also includes a safety alert system of cars in transit from the back that tells you what car approaching from one when driving toward the back and at the corner between two large and System alert when the deviation to alert the driver that deviation unintentionally or without running the warning signs when driving faster than 30 miles per hour.

ah.helal92@yahoo.co.uk

Chassis technology as a panacea to improving automobile durability in the new millennium

Chukwulenwenwa John Orie
Federal College of Education (Technical), Nigeria

This paper captioned chassis technology as a panacea to improving automobile durability in Africa described chassis as it applies to various automobile engines and a meaningful technology of new chassis system was exposed in various components and context requirement for the future chassis. Emphasis is laid on improving and sustaining chassis durability in automobile machines and equipment within the global circle with recommendations of heavy rubber (solid chassis) with sulphur which introduces less hazard to components and occupants and the paper concludes that natural rubber offers good elasticity, while synthetic materials tend to offer better resistance to environmental factors such as oils, temperature, chemicals or ultraviolet light and suchlike. "Cured rubber" is rubber which has been compounded and subjected to the vulcanization process which creates cross-links within the rubber matrix.

chukwulenewnwa.orie@fcetomoku.edu.ng