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Collision Avoidance System for Ground and Aerial Unmanned Vehicles

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Abstract - People all around the world travel a lot to meet their needs. A person who is tired, sleepy or drunk while driving may encounter a number of hazards. Autonomous driving has been introduced to ensure the safety and ease driving of commercial operators, drivers and pilots in places where traditional operation of the vehicle is to be replaced. The autonomous driving vehicles face a large number of obstacles. To defy these challenges CAS is used. Autonomous driving is very much dependent on Collision Avoidance System (CAS) and includes a number of algorithms and strategies. This paper addresses the security related issues of autonomous driving vehicles and throws light on the details of CAS implementation on ground and Aerial Vehicles.

Keywords : ***Aerial, Autonomous, Collision, Safety, Vehicles***