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| S.no | Journal name | source | description |
| 1 | Discrimination  of the Road Condition Toward Understanding of Vehicle  Discrimination  of the Road Condition Toward Understanding of Vehicle  Discrimination  of the Road Condition Toward Understanding of Vehicle  Discrimination  of the Road Condition Toward Understanding of Vehicle  Discrimination of the Road condition toward understanding of road driving environments . | M. Yamada, K. Ueda, I. Horiba, and N. Sugie | e assessment of road (or road network)  safety is multifaceted. Road inspection enablesclear and  direct observation of the state of the road and assesses the  need for repairs or modications. e structure of the road  network is amenable to safety assessment through partition-  ing into what is called “Trac Analysis Zones (TAZs)” []. In  addition, considerationsfor crash data and other supporting  dataoer further insights into general safety assessment.  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| 2 | Smart Farming enabled by IoT and Spectral Imag  Smart Farming enabled by IoT and SpectralImag  Understanding international rode safety.  Understanding international road safety dis-  parities  Understanding international road safety dis-  parities | W.E.Marshall | mart Farming System is an emerging concept which utilizes sensors in the field  enabled through IoT to get live data from the farm. This paper aims at developing such a Smart  Farming system using the highly advanced technology of Texas instruments microcontrollers,  MSP430 and TIVA C Series TM4C1294. Along with IoT the system uses Multispectral Imaging  in conjunction with Wireless Soil Embedded Sensor Networks. The goal of the system is to  provide reliable live data which is obtained from the multiple sensor nodes placed throughout  the farm, that use the sink nodes to transfer the data to the cloud. The farmer can access this data  using the Blynk Mobile app and can thus take further calculated actions towards maintaining the  farm and further monitor the soil/crop health to increase the ultimate yield from his farm.  Smart Farming System is an emerging concept which utilizes sensors in the field  enabled through IoT to get live data from the farm. This paper aims at developing such a Smart  Farming system using the highly advanced technology of Texas instruments microcontrollers,  MSP430 and TIVA C Series TM4C1294. Along with IoT the system uses Multispectral Imaging  in conjunction with Wireless Soil Embedded Sensor Networks. The goal of the system is to  provide reliable live data which is obtained from the multiple sensor nodes placed throughout  the farm, that use the sink nodes to transfer the data to the cloud. 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Meanwhile, the system in [21] is proposed for the detection of wet-road conditions based on images captured by cameras mounted on the rear-view mirror of a vehicle. for extracting features related to water and snow on. For instance, the pothole patrol [22] depends on the deployment of 3-axis accelerometers on board of vehicles for detecting such road conditions through monitoring vibration. |
| 3 | Investigation of road network features and safety performance | X. Wang, X. Wu, M. Abdel-Aty, and P. J. Tremont | Driver Behavior Modelling (DBM) [32, 33] is an area of road safety management that is concerned with the characterization of driver behavior. This characterization is enabled through the analysis of various inputs from either the transportation infrastructures, e.g., on-road CCTV cameras, speed-sensors; other infrastructures, e.g., smartphones, reporting to services such as Waze or Google Maps, registrations to cellular-base stations; or an in-vehicle sensing setup. Combined or separated, baselines for “safe” or “responsible” driving can be synthesized, against which counter driving behaviors are identifiable. Meanwhile, considerations for driver awareness or alertness can also be realized to extend identification to behaviors exhibited when driving under fatigue, distraction, or influence. |