

改善一般兩輪機動車輛的被動安全 以工業設計的角度切入

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摘要

本研究以工業設計的角度找出可供台灣摩托車駕駛者改善被動安全的產品。因為在研究中分析交通事故數據，以及蒐集嶄新的安全性防護技術並分類。針對摩托車駕駛，以現行的法規以及既有產品來看，仍有可以改善的空間。所以在安全防護方面，可分為主動安全與被動安全，然而主動安全的設備，目前因為設備過於新穎，用於一般摩托車的成本過高等因素考量，並不適用於此次的設計改善，所以此研究以被動安全為主要發展方向。另外在進行設計改善之前，也做了一系列的統計分析以作為改善提案的要點基礎。現今在被動安全的議題，雖然提出了很多解決方案，有些設計是針對交通工具本身發展的，在台灣要落實目前還不可行。基於此，我們以工業設計的角度切入，並從前測上所得結果，根據其要點來發展設計改善提案，在保護使用者本身的議題上找出可行的方式。利用專家訪談驗證此次設計改善的可行性。所以本研究從駕駛者本身的被動安全防護做改善，得到專家的正向的認同。其結果是可行的。

關鍵詞：被動安全、交通事故、普通重型摩托車、設計改善

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