

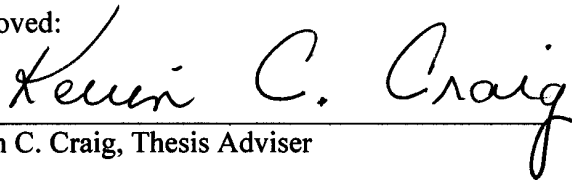
**A Survey on Active Automotive Suspension Development with
Application to Mechatronics Education**

by

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ABSTRACT

Without question the 21st century automobile is a premiere example of multi-disciplinary design. Automotive manufacturers require a vast knowledge base and skilled engineers in a variety of disciplines to compete in the automotive industry. Students must be educated in multi-disciplinary design as mechatronics is becoming a standard design practice in many engineering corporations. In this thesis, the idea of using the automobile as an application for mechatronic teaching is presented. The development of an Automotive Mechatronics course is described and a survey on Active Suspensions in automobiles is presented.