

## **Upgrade to Power Steering of the Single Motor Propelled Wheelchair (SIMPL-WC)**

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### **ABSTRACT**

The single motor propelled low-cost wheelchair (SIMPL-WC) is a manual steering wheelchair originally developed for less-resourced environments. More recently the design has been considered for a US market, and modifications are being planned and implemented. The topic of this paper is to describe the engineering, implementation and testing of a modular power-steering upgrade to the SIMPL-WC.