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# Ziklo: Bicycle Navigation Through Tactile Feedback

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**Abstract**

Ziklo is a tactile interface for wayfinding devices designed for cyclists. It is made up of two wristbands that vibrate to signal left and right turns. These wristbands are wirelessly connected to the user's mobile device via Bluetooth. An application on the mobile device hosts the wayfinding functionality and interface to control the wristbands. The wristbands consists of three vibration motors each, allowing for different vibration patterns and strengths to send different notifications. Ziklo's goal is to create an alternative interface for wayfinding devices that does not hinder the user's awareness when they are engaged in situations that demand their visual and/or auditory attention.

**Author Keywords**

Body Interface; Haptic User Interface; Wearable Interface; Navigation; Cycling

**ACM Classification Keywords**

H.5.2 [Information Interfaces and Presentation]: User Interfaces – Haptic I/O  
J.7 [Computers in Other Systems]: Consumer Products

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