Smart Wristband: Pressure-Sensitive Wristband as input Method for Smartwatch

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# ABSTRACT

## The main input methods for traditional smartwatches on the market are display touch screens and physical buttons. However, due to the limited display screen size of smartwatch, interaction with them is limited. Our research aims to enhance users experience with smartwatches and increase efficiency of interaction by implementing easy-to-use input method. We are proposing to extend interaction surface of smartwatch by using the wristband as an input tool. While no such method has been implemented commercially, there are several studies that research the possibility of extending interaction surfaces beyond smartwatch surface and buttons such as by using air-magnet-pen. There are few study that use wristband as an input method but they either focused on developing it for text entry only or the wristband was only sensitive on the edges where the wristband touches the watch. We are studying the possibility of making the entire wristband sensitive so we can use the whole wristband as an input surface for multiple tasks.

[Add type of sensors used]

[Add Research Question]

Test edit by Serena

## Author Keywords

Smartwatch; wristband; input method, wearable.

## ACM Classification Keywords

# H.5.2. Information interfaces and presentation: User Interfaces – *input devices and strategies*.

# Related work

[Literature review goes here]

# REFERENCES [needs formating]

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