

SNail: Using Strains From Fingernail As Always-Available Input

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ABSTRACT

SNail is a device(?) that allows for any surface gestural input. Human fingernails contour and bend when force is applied. Therefore we can use in order to determine the gesture performed.

Author Keywords

Natural User Interface (NUI); Wearable electronics; fingernail; Strain gauges;

ACM Classification Keywords

H.5.m. Information Interfaces and Presentation (e.g. HCI): Input devices and strategies (e.g., mouse, touchscreen)

INTRODUCTION

RELATED WORK

HARDWARE DESIGN SPACE

Sensing touch

Sensing movement

Sensing force level

EXPERIMENT DESIGN

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USER STUDY TWO

Participants

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Apparatus

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Design

Results

INTERACTION DESIGN SPACE

DISCUSSION AND FUTURE WORK

CONCLUSION

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