Sound Stream

Demo Presentation

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Introduction

Purpose, Research Question, Novelty

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User Study Walkthrough: Sound stream Demo

Experiment Design & Training Demo of the Sound stream

3

User Study Walkthrough: Conclusion

Limitation & Conclusion

1

Sound stream: Introduction

Dual-handed Simultaneous Control of Articulatory Parameters

1

Welcome to the User Study of Sound Stream Interface

1

Ethics: Consent for the protocol

1. Collected data will be used and analysed for the purpose of this project.
2. Result will be presented on the Conference.
3. Your name won't be disclosed or used anywhere.
4. Voice will be recorded for the qualitative analysis.

Introduction

1

1. Topic
2. Research Question
3. Novelty

2

Sound stream: Interface Demo

A physical interface for the simultaneous control of the articulatory parameters.

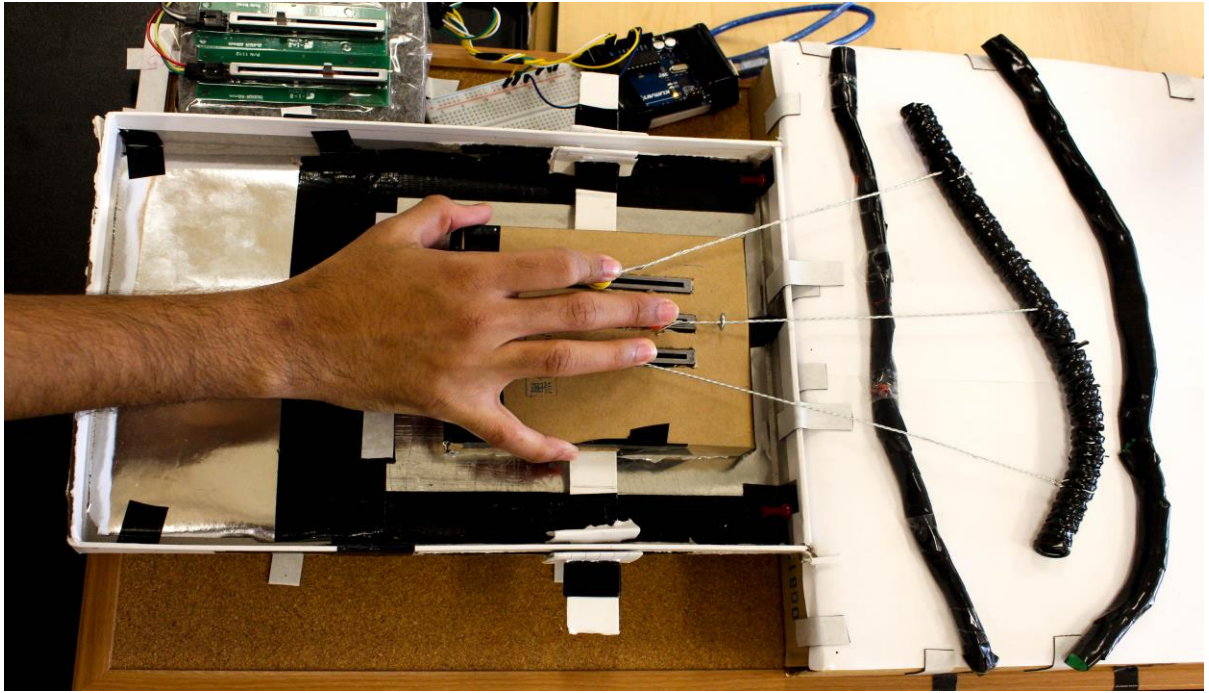
Experiment Design

2

1. Training Session
2. Task Assignment
3. Quantitative Analysis: Survey form
4. Qualitative Analysis: Interview

Live Demo

2



Experiment Details

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- Number of participants: 13
  Female: 8 Male: 5
- Competitive Interface: VT Demo, Pinktrombone
- Number of hypothesis: 3
- Experiment Design: Within subject design
- Statistical Analysis: Repeated measure ANOVA

Hypothesis Overview

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Hypothesis 1: How many degrees of freedom could participants control simultaneously?

Hypothesis 2: Which interface participant will prefer for ambidextrous control?

Hypothesis 3: Could user make accurate shape with the Sound stream interface?

3

Sound stream: Conclusion

A physical interface for the simultaneous control of the articulatory parameters.

Limitation & Conclusion

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- Comparing physical interface with digital applications.
- Number of participants.
- Not considering sound as measuring variable.

Thanks!

Any questions?