**Swinburne University of Technology**

**Leap Motion Project**

**User Manual**



**Table 1. Document Change Control**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Changes |
| 1.0 | 15/10/2013 | Minh Duc Nguyen | Create Document  Create Content Areas |

Table of Contents

How to start 3

List of Features 4

Step by Step instructions for all features 5

Feature 1 – Greeting Instruction 5

Feature 2 – Begin Capture 5

Feature 3 – Options 6

Feature 4 – Data Capturing Validation 6

Feature 5 – Produce output result 7

Feature 6 – Noise cancellation 8

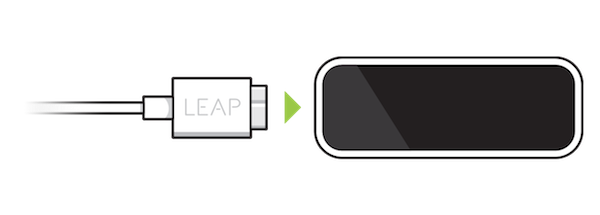
Trouble Shooting 8

Administrative support 8

# 

# How to start

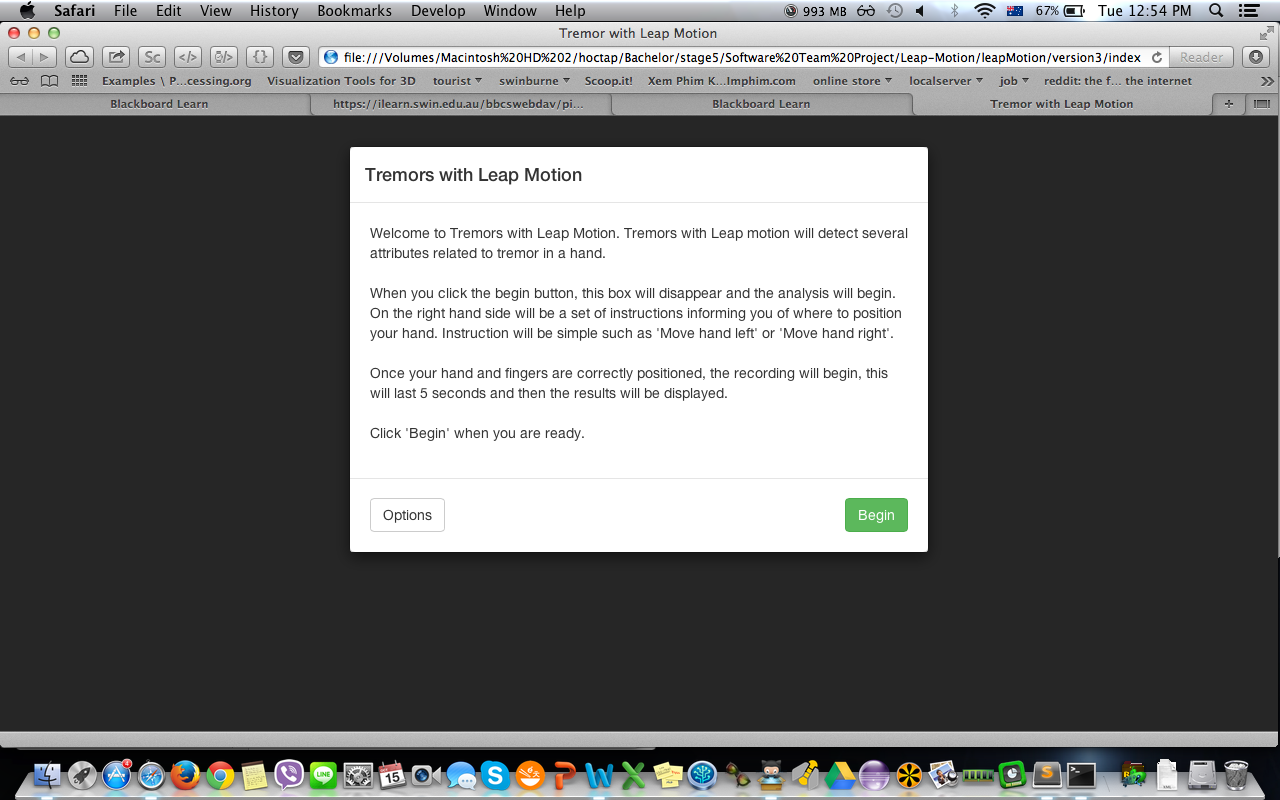
* Plug LeapMotion Device to PC via USB port



* To run the application, locate to “source\_code” folder and double click on “index.html” file to run the application

# 

* Application will be opened via default Browser on user PC



# List of Features

|  |  |  |  |
| --- | --- | --- | --- |
| No | Title | Description | Note |
| 1 | Greeting Instruction | An overview of the application and short instruction on how to operate the software appears when user opens it. |  |
| 2 | Begin Capture | This button will lead user to palm and fingers data capturing page. |  |
| 3 | Options | This setting allows user to set the amount of data capturing time, number of required fingers, and Valid Range Multiplier | Saving setting will be valid until user closing the application only. |
| 4 | Data Capturing Validation | On the data-capturing screen, users can view their hand on the virtual 3D environment. Furthermore, the validation information about hand and fingers positions is listed on the side panel. |  |
| 5 | Produce output result | Output value of following variables: Velocity, Hertz, Acceleration and Amplitude will be displayed when data capturing session is timeout |  |
| 6 | Noise Cancellation | By applying Weighted Fourier Linear Combined algorithm to filter noise while captures palm and fingers data |  |

# Step by Step instructions for all features

## Feature 1 – Greeting Instruction

## 

## Feature 2 – Begin Capture

## Macintosh HD:Users:ng0kylan:Desktop:Screen Shot 2013-10-17 at 12.20.05 AM.png

## Feature 3 – Options

## Macintosh HD:Users:ng0kylan:Desktop:Screen Shot 2013-10-17 at 12.22.00 AM.png

## Feature 4 – Data Capturing Validation

## Macintosh HD:Users:ng0kylan:Desktop:Screen Shot 2013-10-17 at 12.47.55 AM.png

## Macintosh HD:Users:ng0kylan:Desktop:Screen Shot 2013-10-17 at 12.52.19 AM.png

## 

## Feature 5 – Produce output result

## Macintosh HD:Users:ng0kylan:Desktop:Screen Shot 2013-10-17 at 12.21.25 AM.pngMacintosh HD:Users:ng0kylan:Desktop:Screen Shot 2013-10-17 at 12.21.27 AM.png

## Feature 6 – Noise cancellation

# Trouble Shooting

# Administrative support

For administrative support please contact:

Minh Duc Nguyen

Software Developer

Swinburne International

MB: 0412 179 265

Email: [171001x@student.swin.edu.au](mailto:zstirling@swin.edu.au)