

# 樂齡科技博覽暨高峰會 2019 CP2JOY活動安排

21/11-24/11期間，CP2JOY會於香港會議展覽中心參與樂齡科技博覽暨高峰會2019，並於1B C22號擺放攤位，屆時將會定時進行產品演示，時間如下：

21/11 11:30-17:30(每小時一次)

22/11 10:30-17:30(每小時一次)

23/11 10:30-17:30(每小時一次)

24/11 10:30-16:30(每小時一次)

世豪亦同時受邀參加大會的分享會作嘉賓，分享會會於22/11 10:00舉行。屆時，我們會介紹CP2JOY的發展與功能，以及分享世豪發明的當中的經驗。歡迎各位蒞臨參與。

張世豪



## 聯絡我們



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<http://cp2joy.com>



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CP2JOY



利希慎  
LEE HYSAN  
FOUNDATION



# CP2JOY



Making futures brighter  
我們明白花45分鐘輸入50個英文字的感受

會展禮堂1B-C22攤位

## WHAT DOES CP2JOY STAND FOR ?

CP FOR 大腦麻痺症  
(CEREBRAL PALSY)

JOY FOR 控制桿  
(JOYSTICK)

10-7PM

10-7PM

MR. CHEUNG SAI-HO

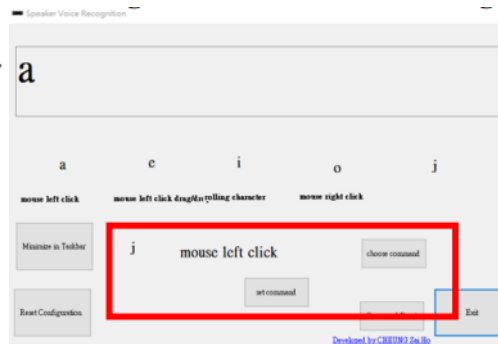
## 全港首套協助嚴重肢體殘障人士 使用電腦的聲控軟件

CP2JOY為香港首套協助嚴重肢體殘障人士使用電腦的聲控軟件。創辦人張世豪先生本身罹患大腦麻痺症，嚴重影響其活動以及說話能力，使到他無法如一般人一樣使用電腦。同時，香港市面上缺乏同類型產品協助不同殘障程度的病人使用電腦。所以與世豪類似的嚴重肢障人士，難以透過電腦學習、工作以至日常一般應用，亦往往因而防礙了他們接受教育以及難以為社會貢獻勞動力。

有見及此，世豪利用了一年半的時間，成功研發CP2JOY，以協助不同程度的肢障人士能夠更有效使用電腦；方便他們透過電腦學習、自我增值以及參與工作，以融入社會甚至可以自力更生。



### 單字聲控



以單音下達指令(例如:a,e,i,o,u),  
自選最佳單音聲控



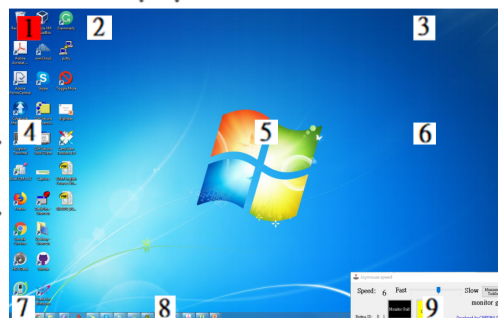
### 選擇字母



只需要發出一個指定單音，  
便能實現打字鍵入



### 移動鼠標



以USB Joystick取代滑鼠  
以聲控系統實現電腦操控  
(例如：點擊左右鍵、拖放指令)

## CP2JOY介紹

### 功能

- 以USB Joystick取代滑鼠
- 以聲控系統實現電腦操控(例如:點擊左右鍵、拖放指令)
- 聲控系統只需簡單的聲音下達指令(例如:a,e,i,o,u)
- 自選最佳單音聲控電腦
- 系統內置香港浸會大學研發的「滾動式選擇字母」功能
- 藉由「滾動式選擇字母」功能，只需要發出一個指定單音，便能實現打字鍵入
- 兼容WINDOWS系統

### 對象

用戶需要至少能夠發出一至五個單音(例如:a,e,i,o,u)以及有能力拍打一個按鈕  
用戶需具備基本電腦知識

- 大腦麻痺人士
- 嚴重中風人士
- 意外導至肢體殘障人士
- 高齡導致行動減緩、說話困難人士
- 其餘原因導致嚴重肢體殘障人士

### 優點

- 減少肌肉活動
- 提升使用電腦效率
- 提高準確度
- 利用市面上流通的操控桿，又或者以新型號輪椅上的操控桿，再加上電腦內置的麥克風

## GIES 2019 Activity arrangement

From 21 Nov to 24 Nov, the CP2JOY will attend GERONTECH AND INNOVATION EXPO-CUM SUMMIT 2019 (GIES), and the counter would be set in Hall 1B Counter C22 in the HKCEC, and the product demonstration would be shown according to the timetable below:

21/11 11:30-17:30 (half-hourly)

22/11 10:30-17:30 (half-hourly)

23/11 10:30-17:30 (half-hourly)

24/11 10:30-16:30 (half-hourly)

Is also honorably being invited by GIES to attend sharing session, which will be held in Hall 1A-C at 10:00 on 22/11. During the session, we would introduce CP2JOY and share his story of creation. You are cordially invited to join us!



SaiHoCheung



## CONTACT US



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LEE HYSAN  
FOUNDATION



# CP2JOY



Making futures brighter

We understand how's it feel to enter  
50 letters in 45 minutes

HALL1B COUNTER C22,  
HKCEC



# WHAT DOES CP2JOY STAND FOR ?

**CP FOR 大腦麻痺症 (CEREBRAL PALSY)**

**JOY FOR 控制桿 (JOYSTICK)**

10-7PM

10-7PM

MR. CHEUNG SAI-HO

## The 1st voice-control software for persons with severe physical disabilities in HK

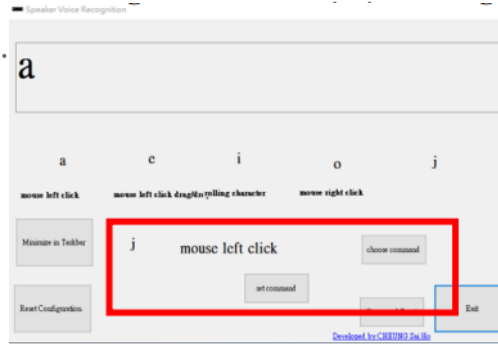
CP2JOY is the 1st voice-control software which aims to assist severely disabled people in using computer on their own in Hong Kong.

Mr. Cheung Sai-ho, the founder of CP2JOY, is suffering from Cerebral Palsy, which seriously affects his physical and speech abilities, not to mention using computers on his own. In the meanwhile, there lacks similar product that can help patients with different levels of disabilities with using computers.

Therefore, in order to assist patient with different levels of disabilities in using computer more effectively, CP2JOY was successfully developed by Sai-ho within 1.5 years. It is believed that they would be able to learn, to equip themselves and to participate in work by effectively using computer, which would enable them to integrate into the society and even become self-independent eventually.



## VOICE CONTROL



Voice control by single word (e.g. a,e,i,o,u) and allow to set a voice command



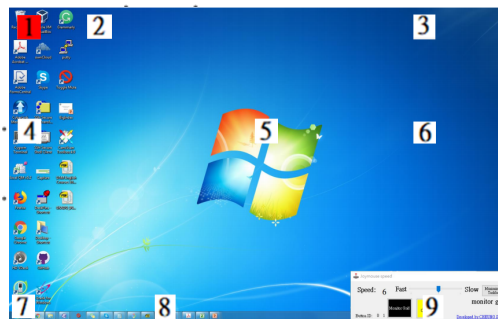
## PICK A ALPHABET



Pick a alphabet for typing



## MOVE THE CURSOR



Use a USB Joystick instead of a mouse, enter command (e.g. left and right click, drag and drop function) by voice control

# Introduction

## Features

- Using USB Joystick to replace mouse
- Using voice-control system to control computer (eg: clicking left/right buttons, drag & drop)
- Pronouncing simple vowel to issue command (eg: "a", "e", "i", "o", "u")
- Customizing the best single tone to control computer
- Built-in ("scroll to pick alphabet" function) developed by HKBU
- Pronouncing one specific vowel to type in word with the ("scroll to pick alphabet" function)
- Compatible with Windows

## Who we would like to serve?

Users should be able to (1). pronounce at least one vowel (eg: a,e,i,o,u) (2). press one button  
Users should have the basic knowledge in computer usage

- People suffering from
- Cerebral Palsy
- Stroke
- Physical disability caused by accident
- action / speech difficulty due to aging
- Severe physical disability because of other reasons

## Advantage

- Reduce muscle activity
- Improve efficiency
- Improve accuracy
- Build-in joysticks of the new model wheelchairs, Build-in microphone of the computers are compatible