

Pitch Coaching System

演講指導系統

AI-powered Presentation Analysis Tool

企業共創中心

The Pitch Coaching System, an interactive presentation analysis tool helps presenters to measure the effectiveness of a presentation. This is a new AI-powered presentation coach help to find out the strength and weaknesses, showing the direction for further improvement.

Public speaking is recognized as one of the most highly valued skills for success in the workplace and institution. A successful presentation is distributed across multiple modalities – e.g. speech content, voice and intonation, facial expressions, head poses, hand gestures, and body postures, etc.

While most existing measurements and mythologies for evaluating presentation performance attend to both verbal and non-verbal aspects, virtually all existing assessments rely to human rating. Thus, we introduce using multimodal sensing – namely motion tracking, head tracking, facial expression recognition, and speech processing, toward developing an assessment system that according to the standard practice in educational assessment.

演講指導系統—這是由人工智能驅動的新一代演講教練的交互式演講分析工具，可幫助演講者衡量演講的有效性，發現其優點和缺點，並進一步顯示可改進的方向。

公開演講技巧一向被認為是在學術和職場上獲得成功的關鍵技能之一。成功的演講取決於多項方面，例如：演講內容、聲線和語調、面部表情、親和力、眼神交流、身體語言。唯大多數現對演講表現的評估標都缺乏客觀標準衡量和涉及人類主觀的情感。為此，演講指導系統使用了多模式傳感配合人工智能（即動態捕捉、頭部追蹤、面部表情分析和語音處理）來開發評估系統，以評估演講的成效。



Technologies 技術應用

- Artificial intelligence 人工智能
- Motion tracking 動態捕捉
- Facial expression recognition 面部表情分析
- Speech processing 語音處理

Awards 獎項

Bronze Award, Hong Kong ICT Awards : Digital Entertainment (Interaction Design) Award, 2020
香港資訊及通訊科技獎：數碼娛樂（互動設計），銅獎，2020

