



Dr WEI Xijun

CEO, Avatar Rehab

Dr WEI earned his PhD from the Department of Rehabilitation Sciences of the Hong Kong Polytechnic University. He is the founder of Avatar Rehab, and is currently the Associate Head of the Department of Occupational Therapy, School of Rehabilitation Sciences, Southern Medical University, and the Associate Chief Occupational Therapist of the Department of Rehabilitation Medicine, Shenzhen Hospital of Southern Medical University. Dr Wei now is also a postdoc at Beijing Tiantan Hospital of Capital Medical University, the Director of the Rehabilitation Laboratory of Mix Reality, and overseas High-Caliber personnel of Shenzhen. Dr Wei was awarded “Outstanding Young Therapist of Chinese Association of Rehabilitation Medicine” and “Outstanding Personnel of Guangdong Provincial Association of Rehabilitation Medicine”.

Topic: VR simulated multi-dimensional rehabilitation in metaverse for elderly

Multi-dimensional rehabilitation is a challenge for the elderly, especially in changing environments and tasks when dealing with activities of daily living. For example, with the urbanisation of China, rural elderly are moving into urban areas to stay with their young family members, many elderly needing rehabilitation services struggle to adapt and integrate to a new living environment. Conventional occupational therapy struggles to intervene in this issue. We construct daily living environments based on virtual technology, changing tedious routines, facilitating the elderly in experiencing various daily activities at home or in the community, training multitasking abilities in different environments, and promoting participation and wellbeing for elderly.



危昔均博士

阿凡達康復科技首席執行官

危昔均博士畢業于香港理工大學康復治療科學系，是阿凡達康復科技創始人，南方醫科大學康復醫學院作業治療學系副主任，南方醫科大學深圳醫院康復醫學科副主任作業治療師，首都醫科大學附屬北京天壇醫院神經病學博士後，深圳市海外高層次人才，寶安區高層次人才，南方醫科大學深圳醫院“混合現實康復實驗室”負責人，中國康復醫學會“優秀青年治療師”，廣東省康復醫學會“優秀個人”。

題目：VR實現元宇宙長者多元康復

長者的多維度康復幹預具有挑戰，尤其在變化的環境和任務條件下處理日常生活活動時，如：隨著中國城市化帶來的農村老人入城與年輕家庭成員居住，許多接受康復服務的長者難以適應和融入新的生活環境。傳統作業治療服務很難對該問題進行幹預。我們通過虛擬科技搭建各種日常生活場景，改變老年人的單調日常生活作息，讓老年人在家中或者在社區中即可接觸豐富的生活場景，鍛煉自己在不同環境下的多工處理能力，提升老年人的參與能力和福祉。