

Human-environmental interface; human performance;
neuro-rehabilitation

人-環境界面；人類功能表現；神經康復



Prof Kenneth FONG N.K.
Professor
Department of
Rehabilitation Sciences



Using autonomous-legged robotic guide dog to assist navigation for people with severe visual impairment 使用自主機械導盲犬為嚴重視力障礙人士輔助導航



Dr CHEUNG Ching-ching
Associate Director
Industrial Centre



Dr CHUNG Kin-hung Jacky
Senior Engineering Manager
(Building Services,
Construction & Safety Stream)
Industrial Centre

- Legged robot
- Severe visual impairment
- Navigation
- Ultra-high density city



Technology-enhanced table tennis training; wearable sensor;
motion detection; cognitive impairment; learning support
科技輔助乒乓球訓練；穿戴式傳感器；動作偵測；認知
缺損；學習支援



Dr Cynthia LAI Y. Y.
Associate Professor
Department of
Rehabilitation Sciences

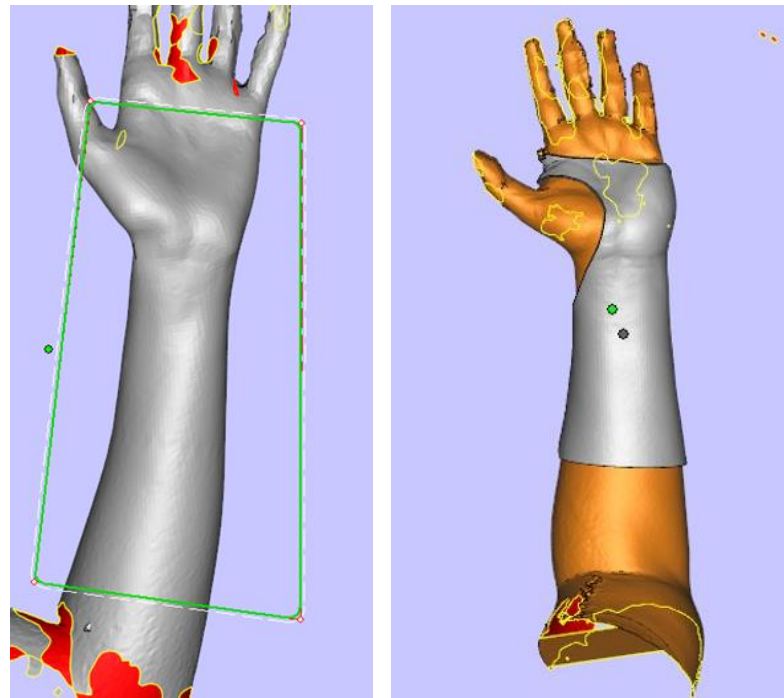


3D scanning, 3D printing, new materials for orthosis

3D掃描、3D列印、矯形器新材料



Dr Benson LAU W.M.
Associate Professor
Department of
Rehabilitation Sciences



Data-driven rehabilitation; Wearable sensor;
Movement Simulation
數據驅動康復； 穿戴式傳感器； 運動模擬



Dr Patrick KWONG W.H.
Assistant Professor
Department of
Rehabilitation Sciences



Virtual Reality Rehabilitation; Machine Learning based Rehabilitation Plan; Play2Earn 虛擬實境康復；基於機器學習的康復計劃；P2E



Dr Peter NG
Assistant Professor
Department of
Rehabilitation Sciences and
Department of Computing

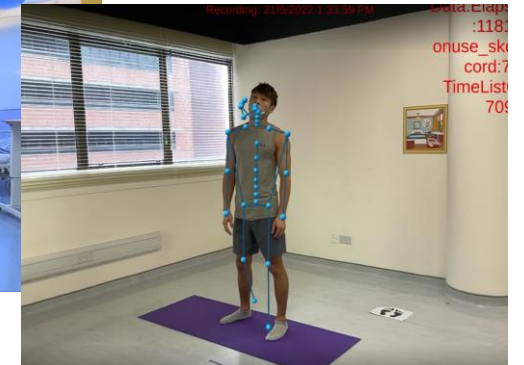
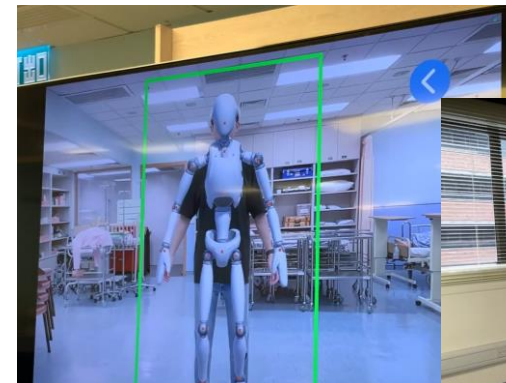


Gerontechnology (Virtual Reality, Wearable Sensors and eHealth Technology); Exercise, Nutritional Advice, and Psycho-behavioural Interventions

老年科技（虛擬實境、可穿戴感測器和電子健康科技）；運動、營養建議和心理行為介入



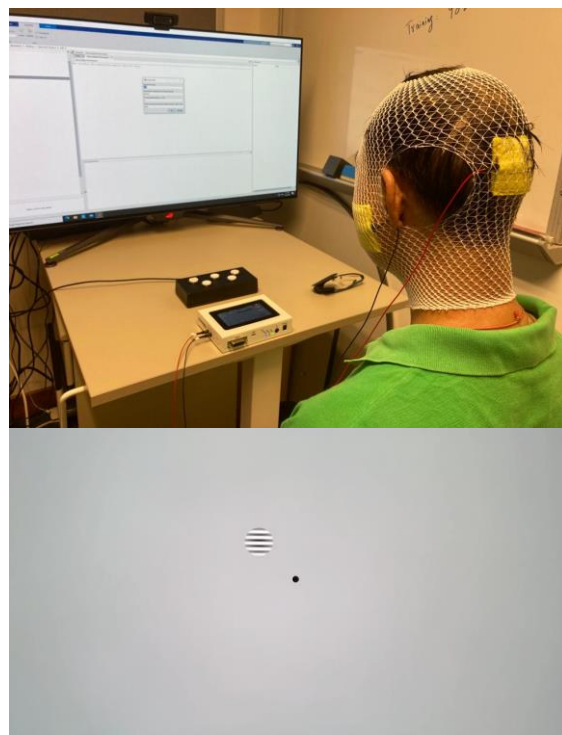
Dr Justina LIU
Associate Professor
School of Nursing



Vision-rehabilitation; neuroplasticity; adaptive technology;
functional enhancement
視覺康復；神經可塑性；自適應技術；提升功能表現



Prof Allen CHEONG
Professor
School of Optometry



Humanizing assistive technology; Seating positioning system; Empathy tools

人性化的輔助技術； 座椅定位系統； 同理心工具



Dr Tulio PEREIRA DOS SANTOS MAXIMO
Assistant Professor
School of Design



safe loop

user-manual

hip support

front support

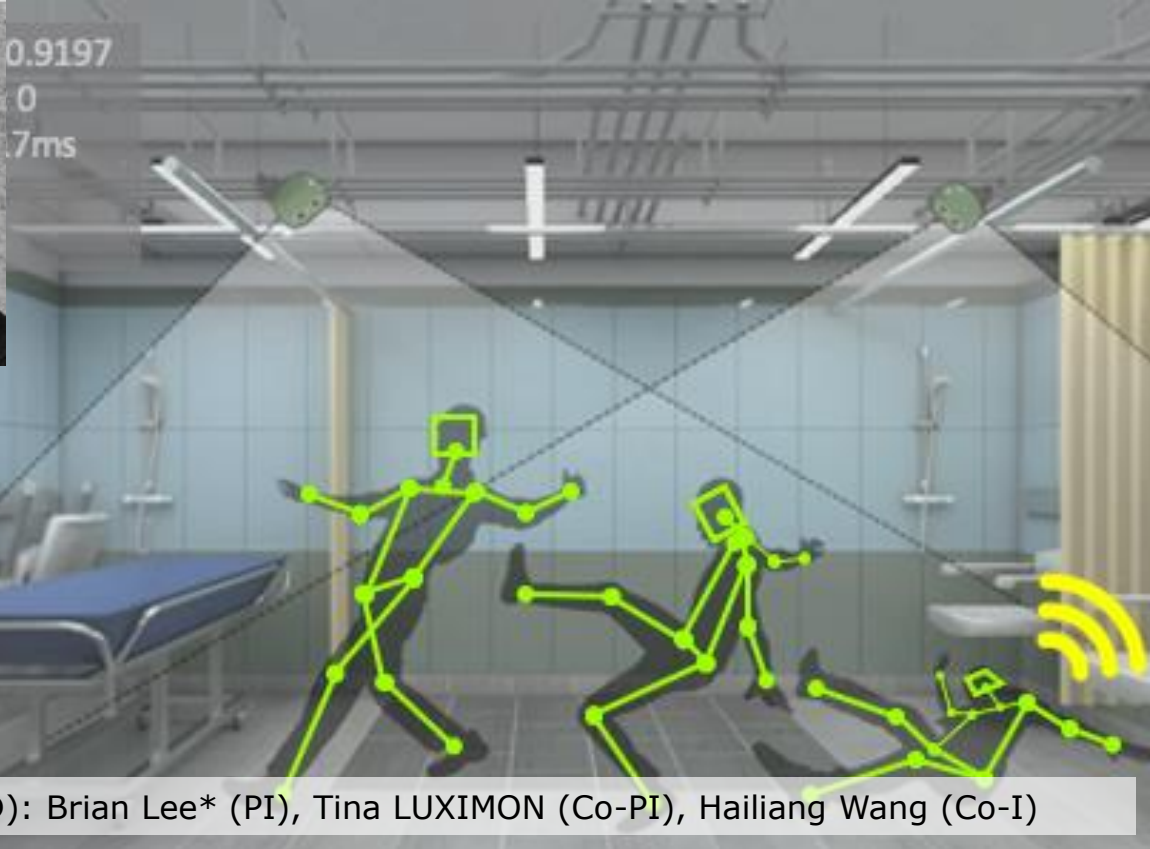
suction cup



User experience in future nursing home; AI monitoring; Mobility & privacy 未來長者院舍體驗；人工智能數據收集；行動力與私隱



Dr Brian LEE
Associate Professor
School of Design



Team members (SD): Brian Lee* (PI), Tina LUXIMON (Co-PI), Hailiang Wang (Co-I)

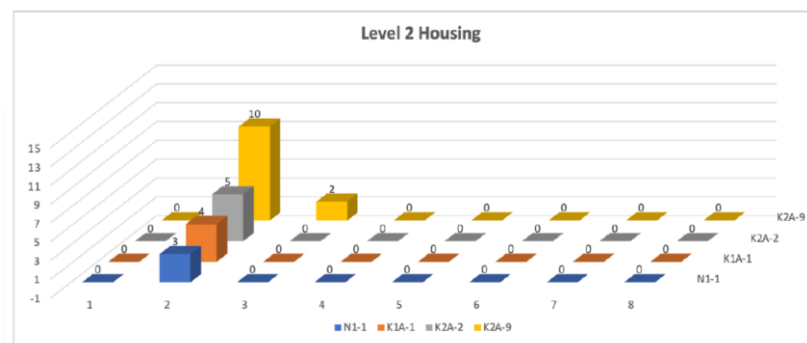
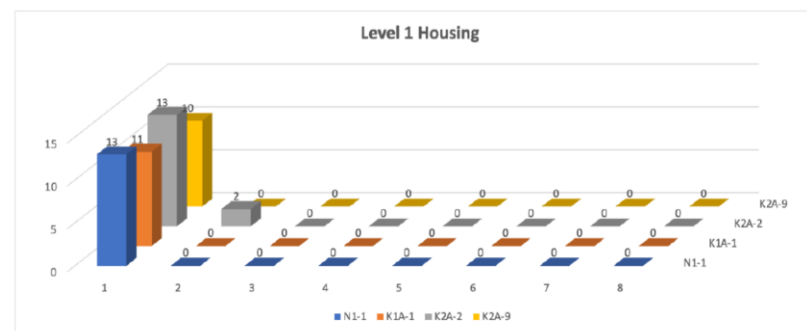
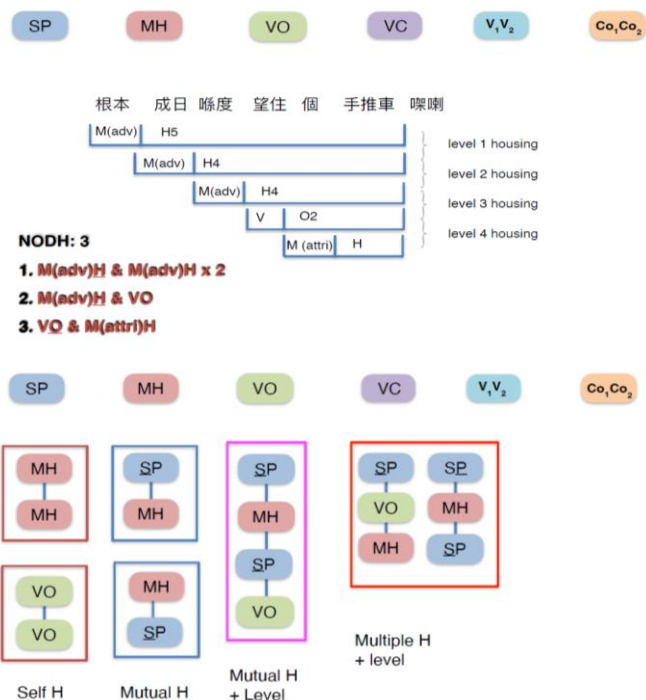


Database-driven assessment and treatment for language disorders

數據庫驅動的語言障礙評估與治療



Dr LEUNG Man Tak
Associate Professor
Department of Chinese and Bilingual Studies
(Speech Therapy)

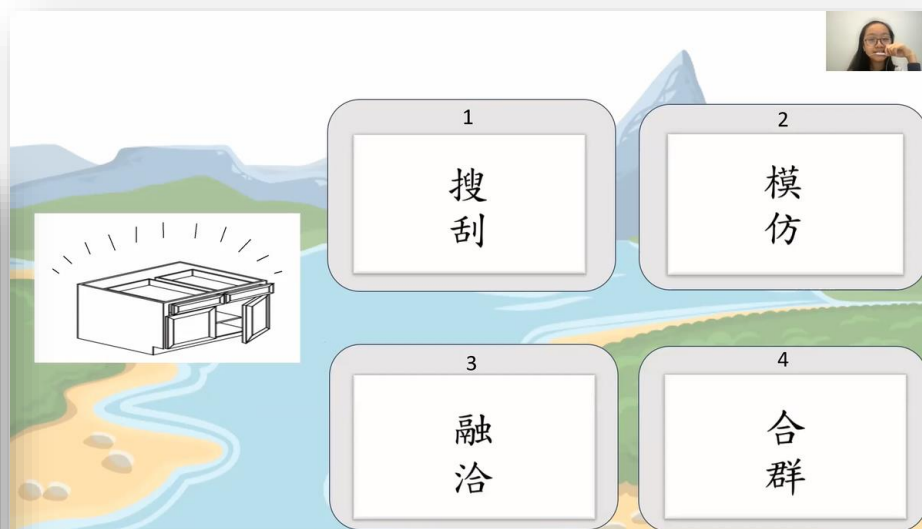


Technology-assisted speech therapy; telepractice; mitigating third party disability

科技輔助言語治療；遙距治療；緩和第三方殘疾



Dr Janet NG H.Y.
Senior Clinical Associate
Department of Chinese
and Bilingual Studies
(Speech Therapy)

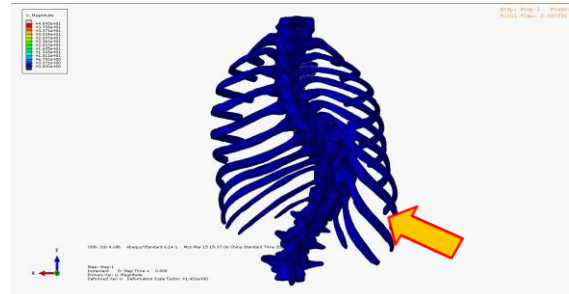
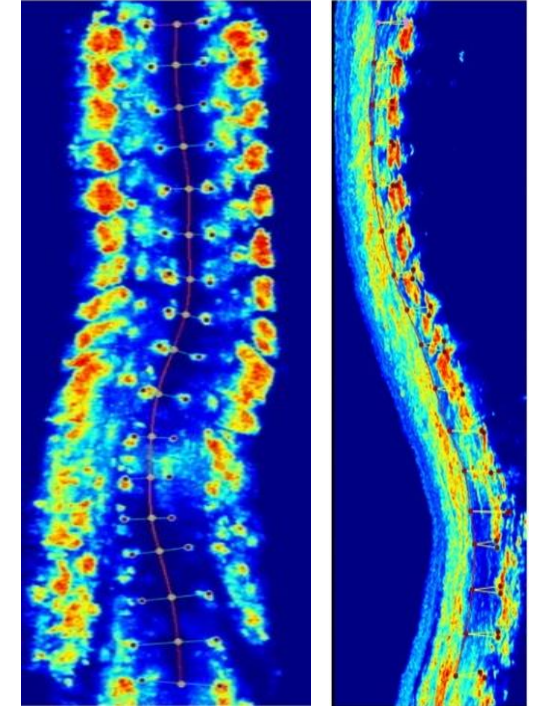
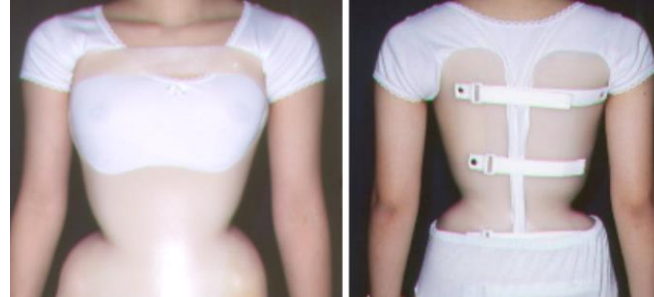


Enhancement of the Orthotic Sciences and Practices in Management of Spinal Disorders

提高脊椎矯形科學和疾病管理



Prof M.S. WONG
Professor
Department of
Biomedical Engineering



Rehabilitation; wearable sensors; assistive tools for the visually impaired

康復; 穿戴式傳感器; 視障人士生活輔助用品



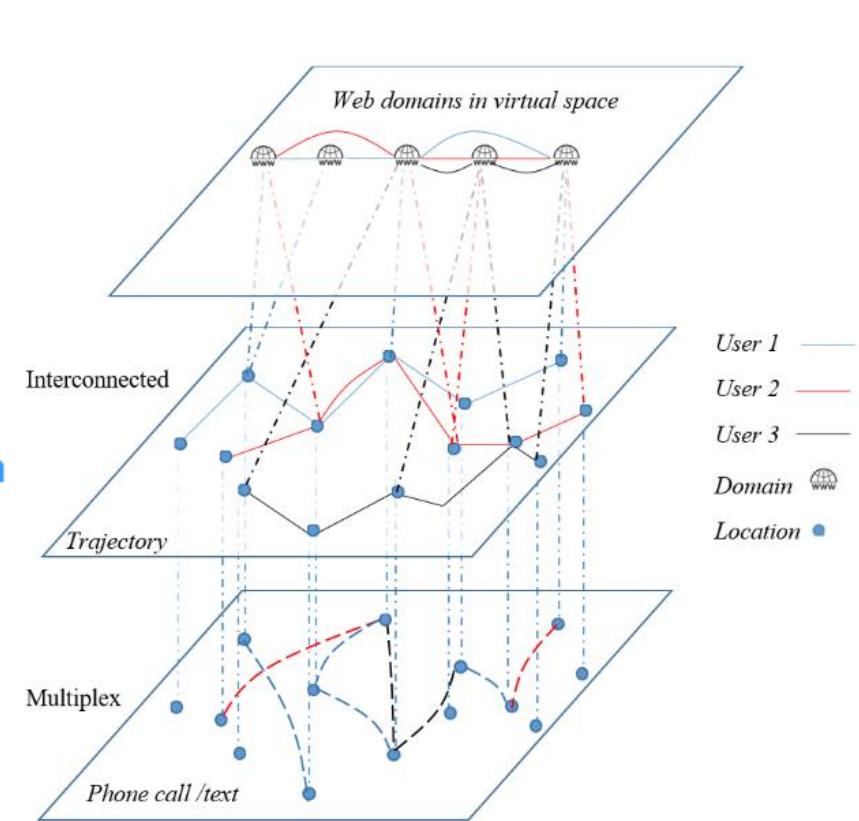
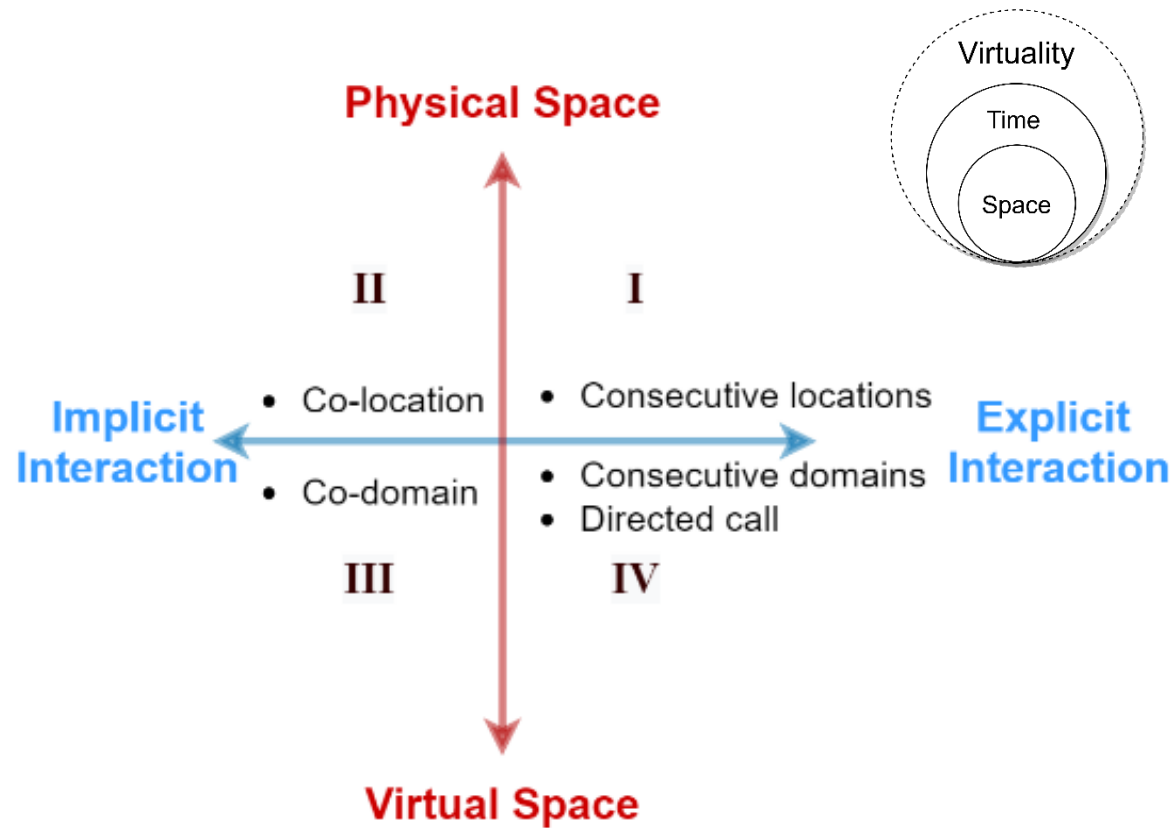
Dr Hin Chung LAU
Senior Teaching Fellow
Department of
Biomedical Engineering



Physical-virtual space; human interaction; multilayer approaches 虛實空間；人類交互；多層網絡方法



Dr Xintao LIU
 Associate Professor
 Department of Land
 Surveying and Geo-
 Informatics



Virtual Reality; Metaverse; Artificial Intelligence; Therapy 虛擬實境; 元宇宙; 人工智能; 治療



Ir Dr TANG Yuk Ming
Senior Teaching Fellow
Department of Industrial
and Systems Engineering



Autonomous wheelchair; human-robot shared control; mobility 自主輪椅；人機共享控制；運動性



Dr TENG Long Eric
Research Assistant Professor
Department of Industrial and
Systems Engineering



Inclusive building design; Universal accessibility; Evidence Based Design for health; Chinese medicine

共融建築設計、通用設計、循證設計、中醫藥



Dr Calvin LUK
Project Manager
Jockey Club Design
Institute for Social
Innovation

