

# Open House

## Poster Board Presentation

- University Research Facility of Data Science and Artificial Intelligence
- University Research Facility of Human Behavioral Neuroscience
- Analytics \ Assessment Research Centre
- Asia Pacific Centre for Leadership and Change
- Knowledge Transfer Sub-office

 IPRRFSS 2024

# University Research Facility of Data Science and Artificial Intelligence



## Director

### Professor Xu Guandong

- Director, Centre for Learning, Teaching and Technology (LTTTC)
- Chair Professor, Offices of the President (P)
- Director, University Research Facility of Data Science and Artificial Intelligence (UDSAI)



## Projects

01

Artificial Intelligence-based Examination of Mangrove Wetland Dynamics in the Deep Bay Area

- Team: CHENG Jinping, YEUNG Chi Ho, DAI Zhijun

02

Development of OCR Machine Learning Engine for Hong Kong Newspapers and Literary Magazines

- Principal Investigator: Dr YIP Cheuk Wai

03

Integrated Multimodal Artificial Intelligence Framework for Child Care and Education Applications: Developing and Testing the Learning Platform of *WonderBuddy*

- Principal Investigator: Dr YANG Weipeng

04

Computer Vision Empowered Tactile Sensing towards Embodies AI

- Principal Investigator: Dr FU Hong

# University Research Facility of Human Behavioral Neuroscience



**Director**

## **Professor YUNG, Kin Lam Ken**

- Associate Vice President (Research);  
Chair Professor of Biology and  
Neuroscience
- Director, University Research Facility of  
Human Behavioral Neuroscience (UHBN)

### **Project 1**

Flourishing Online and Offline: A Neurobehavioral Perspective of Sleep-wake Behaviors and Social Network Use in Driving Personal and Interpersonal Wellbeing in the Cyberage

- Principal Investigator: Dr LAU Esther Yuet Ying

### **Project 2**

Neural Mechanisms of Speech Perception and Auditory Category Learning in Chinese-English Bilinguals: Evidence from Event-Related Potentials (ERPs)

- Principal Investigator: Dr TONG Xiuhong

### **Project 3**

Interactions of Motivation and Emotion during Executive Control: A Pilot fNIRS Study

- Principal Investigator: YEUNG Kin Chung, Michael

### **Project 4**

Reducing English Major Students' Writing Errors with an Automated Writing Evaluation (AWE) System: Evidence from the Eye-Tracking Technology

- Principal Investigator: Dr FU Hong

# Analytics\Assessment Research Centre (ARC)



**Director**

## **Professor Ming Ming CHIU**

- Director, Analytics\Assessment Research Centre (ARC)
- Chair Professor, Analytics and Diversity

### **Project 1**

Automatic Assessment Score Analysis (AASA): An Easy-to-use, Artificial Intelligence/Statistics System to Assess Students

### **Project 2**

Detecting COVID-19 Fake News on Social Media across Four Languages: Followers, Emotions, Relationships, and Uncertainty

### **Project 3**

Social Media Analytics Research Teams (SMART)



# Asia Pacific Centre for Leadership and Change

## Directors

### Dr QIAN Haiyan



劉鑾雄慈善基金  
亞太領導與變革研究中心  
The Joseph Lau Luen Hung Charitable Trust  
Asia Pacific Centre for Leadership and Change

- Director, The Joseph Lau Luen Hung Charitable Trust Asia Pacific Centre for Leadership and Change (APCLC)
- Associate Professor, Department of Education Policy and Leadership (EPL)

### Professor WALKER Allan David

- Adjunct Research Chair Professor, International Educational Leadership
- Co-Director, The Joseph Lau Luen Hung Charitable Trust Asia Pacific Centre for Leadership and Change (APCLC)



## Projects

01

Investigating the Occupational Well-being of Hong Kong School Principals and Influential Psychosocial Risk Factors: A Mixed-methods Approach

- Principal Investigator: Dr. CHEN Junjun

02

Promoting Teacher Learning and Improving Instruction: What is the Role of Cross-school Instructional Leadership?

- Principal Investigator: Dr. QIAN Haiyan

03

How Does the IB Middle Years Programme's Capstone Experience Impact Students, Educators, and School Communities?

- Principal Investigators: Dr Darren BRYANT, Dr Ewan WRIGHT

04

Understanding Middle Leadership in Hong Kong Secondary Schools

- Principal Investigator: Dr. Darren BRYANT

# Knowledge Transfer Sub-office



## Director

### Professor Stephen Chow Cheuk-fai

- Professor (Practice), Department of Science and Environmental Studies (SES)
- Director of Knowledge Transfer, Research and Development Office (RDO)

### ■ Project 1

Social Robot for English Language Learning among Young Learners

- Principal Investigator: Prof YEUNG Siu Sze Susanna

### ■ Project 2

An Intelligent Ocular Misalignment Measurement System

- Principal Investigator: Dr FU Hong

### ■ Project 3

Fall Detection System for Smart City

- Principal Investigator: Dr MUNG Wai Yin