



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



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Director

<u>Professor Xu Guandong</u>

 Director, Centre for Learning, Teaching and Technology (LTTC)

• Chair Professor, Offices of the President (P)

 Director, University Research Facility of Data Science and Artificial Intelligence (UDSAI)

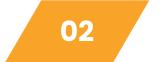


Projects



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

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



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

• Principal Investigator: Dr YIP Cheuk Wai



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

• Principal Investigator: Dr YANG Weipeng



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 Sleepwake 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



Asia Pacific Centre for Leadership and Change

Directors

<u>Dr QIAN Haiyan</u>



 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 Shcool 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

<u>Professor Stephen Chow</u> <u>Cheuk-fai</u>

- 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