



Public Lecture

How learning science theories and technology may change K12 education in the longer future of Asia

學習科學理論與數位科技如何改變未來亞洲的中小學教育

Date. 21 January 2016, Thursday
Time. 4:00 p.m. – 5:30 p.m.
Venue. Auditorium B6, Ho Tim Building (-2/F), Chung Chi College
Speaker. Professor Tak-Wai Chan 陳德懷教授
National Central University 國立中央大學

To fulfill parents' expectation—obtaining high scores in public examinations—a considerable part of formal education in Asia remains “examination-driven.” This leads to severe drawbacks: learning and teaching are distorted; many students do not enjoy learning; it is difficult for students to develop 21st century competencies. Public examinations, however, will not disappear in the foreseeable years to come. How, without compromising students' academic performance, do we find the right ways to prepare the young generation for the rest of the 21st century? The advancement of learning sciences shows that with the support of technology, there is another probable approach.

In Professor Chan's article “How East Asian classrooms may change over the next 20 years”, which was written to celebrate the 25th anniversary of the *Journal of Computer Assisted Learning* in 2010, he made a number of conjectures of the future education in East Asia. After working on the project *Schools of Tomorrow* for a number of years, Professor Chan felt the need to build a theory that can guide the design of future learning in Asia. He therefore worked together with a group of Asian e-learning researchers to develop *Interest-Driven Creator (IDC) Theory*, in which, he hypothesized that with the support of technology, students, driven by interest, can be engaged in creation of knowledge or things. Furthermore, by repeating this process in their daily learning activities, students will establish habits of creating novel and valuable things for their learning community to acquire, and consequently become lifelong interest-driven creators. In this lecture, Professor Chan will outline this theory and illustrate it with his work on *Schools of Tomorrow*, especially *Reading of Tomorrow*—Reading, after all, is most fundamental to all learning.

Enquiry 3943-6777
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Online registration

http://www3.fed.cuhk.edu.hk/faculty/Applications/RD_CHANTak-wai_21Jan/

*The seminar will be conducted in English.

About the Speaker

Professor Tak-Wai Chan 陳德懷教授

Tak-Wai Chan is Chair Professor of Research Institute of Network Learning Technology and Director of Research Center for Science and Technology for Learning at National Central University of Taiwan. Professor Chan has co-founded conference series, International Conference on Computers in Education (ICCE) and Global Chinese Conference on Computers in Education (GCCCE), and international academic societies (e.g. APSCE and GCSCE). His research interests cover a broad spectrum of digital learning, ranging from intelligent learning, computer supported collaborative learning, digital game-based learning, mobile learning, interest-driven learning, online learning society, seamless learning, one-to-one learning, and computer-supported learning including reading, writing, Mathematics and English learning. Professor Chan was born and grew up in Hong Kong. After receiving his bachelor's degree in the United Kingdom, he earned his master's degree and doctorate in the United States.

