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Dr. Cecilia Chan is the Head of Professional Development in the Centre of the Enhancement of Teaching and Learning and an Associate Professor in the Faculty of Education at The University of Hong Kong (HKU). Cecilia has a dual cultural background; she was born in Hong Kong but grew up in Ireland. In addition to her dual cultural background, she also has a dual discipline expertise in engineering and education; she has been playing a key role in enhancing engineering, and science education as well as teaching and learning in higher education. Her combined expertise in these fields and multi-cultural experience enabled her to lead and conduct research on topics such as assessment and feedback, experiential learning, technology enhanced learning and the development and assessment of 21st century skills spanning in education from east to west.

Dr. Chan also has substantial experience in holistic competency development and assessment in higher education and has been researching in this area for over ten years. She has developed frameworks and instruments to assist teachers to integrate competency into the university curriculum and is also researching in approaches to assess these competencies.

Her work is employed in many parts of the world. She has been invited as keynote speaker and panel speaker to many international educational conferences in Korea, Singapore, United States, Estonia, United Kingdom, Macau, Thailand, Malaysia and Switzerland on teaching, learning and the assessment of generic competency including the Harvard Graduate School of Education. Cecilia holds a PhD in Engineering from Trinity College, a postgraduate diploma and a MA in Higher Education. She also held a Fellowship from King's College London. Dr. Chan is involved in over 40 research/projects worldwide and was awarded the University of Hong Kong's Young Outstanding Researcher Award and Knowledge Exchange award. She is the Chair for the Engineering Education Community in Hong Kong and the President for the Asian

Society for Engineering Education (AsiaSEE). She is the associate editor for the Journal of Engineering Education and also for the Journal of Studies in Educational Evaluation.

More information can be found in the Teaching and Learning Enhancement and Research Group (TLERG) website: <http://tlerg.cetl.hku.hk/>

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## **Employability for the Future – Strategic Approach to Competency Development to Ensure that Your Students Outshine in this Dynamic Future**

### **Abstract**

Employability for the future. how do we ensure our students will outshine given the unknown economy and future? It is no surprise that many professions that currently are needed and in demand will become obsolete in the future either because it is replacing by AI or simply because those professions are no longer needed due to changes in our behaviours. Universities need to provide more than just academic knowledge to show values and to enhance our students' employability. In this keynote presentation, I will provide strategic guidelines and demonstrate an outcomes-based system for enhancing and assessing students' competencies. These studies are based on evidence and findings that we conducted and are published in high impact factor journals.