ONLINE EDUCATION: TEACHING IN A TIME OF CHANGE

• Paper / Proposal Title:
Virtual Flipped Classroom in Design Education

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• Abstract (300 words):
Due to COVID-19, universities in Australia had to adopt virtual teaching and learning in 2020 quickly. This project reviewed the application of a ‘new’ pedagogical approach, the Virtual Flipped Classroom (VFC), in the postgraduate Design Education. The VFC is an integration of the Flipped Classroom and Virtual Canvas. It enables teachers to proactively engage students in design thinking process and activities to achieve better learning outcomes. To investigate the effect of VFC, the core researcher team applied it to teaching students on a Master of Design Strategies course in the School of Design and the Built Environment at the Faculty of Arts and Design, University of Canberra (UC) and a Master of Design course in the School of Arts and Humanities, Edith Cowan University (ECU). The core research team observed and reflected on students’ learning achievements and motivation during their design thinking process. The sample consisted of 16 students, who were taught in the Master programs using the VFC model in two Australian Universities.
The findings indicated a positive change in learning achievement and motivation before and after applying the VFC model, especially for the international students. The change suggests that the VFC model is beneficial to student outcomes during Pandemic. Further analysis showed that the new model contributed to the improvement of the performance of low achieving students.

• **Author(s) Biography (200 words each):**

**Dr Fanke Peng** is a discipline lead and senior lecturer at the Faculty of Arts and Design, University of Canberra. Fanke is a Senior Fellow of the Higher Education Academy (HEA) and in 2019 was awarded two Vice Chancellor's Teaching Excellence Awards – University Citations for Outstanding Contributions to Student Learning (team award), and University Citations for Innovative Approaches to Teaching and Learning (team award). As the founder of the Cross-Cultural Design Lab, she is passionate about cross-cultural and interdisciplinary teaching and research. Her research focus is on design and health, creative thinking, cross-cultural design pedagogy, and service design for sustainability and social impact. She has worked on a range of interdisciplinary projects, supported by funding from Australian Council for the Arts, UK research councils (AHRC, ESRC, EPSRC, TSB), the Museum of Australian Democracy, the Australian Department of Foreign Affairs and Trade Fund. Recent publications include Cross Cultural Design for Healthy Ageing (co-edited book 2020), Service Design Thinking for Social Good (co-authored journal article 2020) and Cross-Cultural Design (co-authored book 2017).

**Dr Christopher Kueh** is a design educator/researcher, practicing information designer and design strategist since year 2002. He is currently a Senior Lecturer in Strategic Design at Edith Cowan University, Western Australia. His research and practice involve helping organisations to cultivate design abilities and to understand complexities through design.