



**THE Awards Asia 2020 - Technological Innovation of the Year**

Institution Name	City University of Hong Kong
Submission title or project name	Collaborative Learning through Immersion Project
Nominee/key personnel	Professor Kwok Leung; Professor Christy MK CHEUNG; Dr Tommy King Lun CHOY; Dr Anna Na Na HUI; Dr Henry Ying Kei LAU
Submission	<p>The “Collaborative Learning through Immersion Project” team turns educators’ dreams into reality by immersing students in scientific problems and helping them to explore new worlds and challenges. The team deployed immersive visualisation to foster students’ innovative thinking and creativity by customising virtual and augmented-reality, game-based learning and training systems to create classrooms without borders. This teaching tool enables students to learn in a way which would have been infeasible or prohibitively expensive otherwise.</p> <p>The team utilised its pedagogical and technical expertise to develop innovative and case-specific tools, covering multiple disciplines. This includes the three-dimensional visualisation of mathematical equations, virtual sheep shearing for a veterinary education, and an “intangible cultural heritage project” for a history and an art education.</p> <p>These benefits have been brought to 37 mainstream university courses, enabling over 4,000 undergraduates to become agents of their own learning. They are expected to be shared further via mini-conferences, publications and exhibitions.</p>