Keynote 1

Minimally Expensive Simulation

Prof. Roger Kneebone
Professor of Surgical Education and Engagement Science, Imperial College London Wellcome Trust Engagement Fellow

Abstract

This workshop will introduce the concept of low-cost simulation using everyday materials. The session invites participants to consider the educational essence of the activity - what is to be simulated and for whom – rather than focusing on surface realism. Drawing on Kneebone's work with Hybrid, Distributed and Sequential Simulation, the session will frame simulation as 'selection, abstraction and re-presentation' from one setting (such as a clinical event) to another setting (such as a teaching encounter). A range of objects costing less than 1 CHF will be available for participants to use.

Prof. Roger Kneebone

Roger Kneebone is a clinician and educationalist who leads the Centre for Engagement and Simulation Science at Imperial College London and the Royal College of Music–Imperial Centre for Performance Science. His multidisciplinary research into contextualised simulation and embodied knowledge builds on his personal experience as a surgeon and a general practitioner and his interest in domains of expertise beyond medicine. Roger has built an unorthodox and creative team of clinicians, computer scientists, design engineers, social scientists, historians, artists, craftsmen and performers.
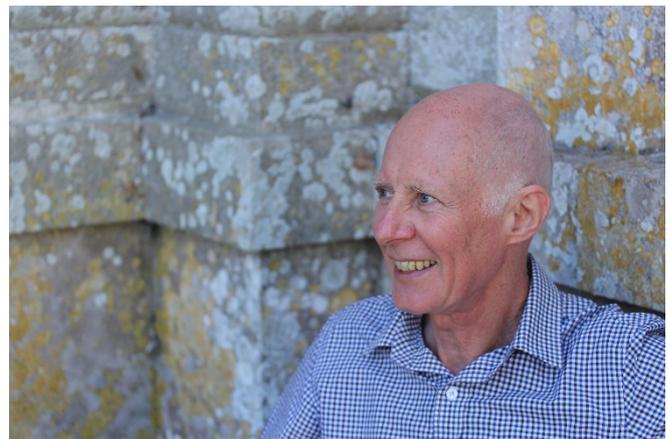
Roger has an international profile as an academic and innovator. He is a Wellcome Trust Engagement Fellow and in 2011 became a National Teaching Fellow. He is passionate about engagement, which he sees as a translational resource bridging the worlds of clinical practice, biomedical science, patients and society. He is fascinated by the embodied knowledge that underpins science, medicine and the visual and performing arts.

In addition to his work with Imperial scientists and clinicians, Roger collaborates with the Victoria & Albert Museum, Science Museum, Natural History Museum and the Royal College of Art. In 2017 he became the first Honorary Fellow of the City and Guilds of London Art School and is a full member of the Art Workers Guild. He is the 2018 Gresham College Visiting Professor of Medical Education. In 2019 he became the fourteenth Royal Academy of Arts Professor of Anatomy.

Roger also presents Countercurrent, a fortnightly iTunes podcast featuring 40-minute conversations with people whose interests and careers cross boundaries. http://apple.co/2n5ROy1