

Title: Building Effective Simulations Programs: Going Beyond Education to Design Better Healthcare Delivery by A/Prof. Marcus Watson

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Room NA 1.418, GTP building (ground Floor), Centre for Intelligent Systems Research, Deakin University, Waurn Ponds, Geelong, Australia

RSVP – <http://www.deakin.edu.au/research/cisr/workshops/ieee-smc-vic.php>

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Building Effective Simulations Programs: Going Beyond Education to Design Better Healthcare Delivery

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Abstract

The use of simulations in healthcare is not new; however, changes in the way we deliver care and accumulating research into the effectiveness of simulations is increasing the application of simulations internationally. Healthcare simulations is transitioning from a focus on individual clinical skills to the application of simulations to develop clinical teams and even the redesign systems. The growth over the last five years has been dramatic yet many healthcare organisations are struggling to efficiently implement large-scale simulations programs. Examples of effective programs from the literature will be used to examine why simulations can achieve such large effects. The discussion will also cover how simulation can be used to reduce training requirements and improve patient care by using simulation to understand and test processes of care.

Biography:

A/Prof Marcus Watson is the Executive Director of the Clinical Skills Development Service, Australia's largest healthcare educational and research simulation program distributed across Queensland. He is an Associate Professor of Medical Education in the School of Medicine and an Honorary Associate Professor in the School of Psychology at The University of Queensland. He has extensive knowledge of simulations and human factors in both healthcare and defence. He has experience as a developer and instructor working with computer based simulation, high end immersive simulation, serious games and distributed learning. Marcus is a contributor to the HWA NHET-Sim program and the Chair of the Board of Simulation Australia. Marcus instructs on a range of workshops including simulations development, serious games, online learning and human factors in healthcare. He has received national awards for innovation and the Jerome Ely Award for the Best Paper in Human Factors for 2004.