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# Centre for Health Education Scholarship (CHES) Research Rounds

**Mark Your Calendars!** The Centre for Health Education Scholarship (CHES) is inviting you to Research Rounds with

**Dr. Stanley Hamstra**



**Date:** Wednesday, June 15, 2011  
**Time:** 12:00pm to 1:30pm (Lunch will be served at DHCC)  
**Venue:** Diamond Health Care Centre 2267  
With Videoconference to IRC 305, CWH 2D22,  
KGH 237, MSB 107, RJH 011, NHSC 9-370, and  
UHNBC 5032 (Port #1)

*\*Please be aware that this session will be recorded and made available online to CHES members on a password-protected site.*

**Topic:**  
**Simulacra and Simulation: The Role of Fidelity in the  
Suspension of Disbelief**

## **Abstract:**

My work derives from sensory physiology and the psychology of perception. When confronted with stochastic or ambiguous stimuli, we tend to impose order, by way of projection. This principle seems to hold true for basic sensory processes as well as higher cognitive processes, such as decision-making and medical diagnosis (cf. cognitive bias in EKG interpretation). In simulation, we can take advantage of this to increase the educational effectiveness of instructional modules. If we use this framework to analyze a particular clinical task, such as a surgical procedure, we find that it can be broken down into (i) structural (superficial) fidelity and (ii) functional (deep) fidelity. In surgery, this helps us to identify essential constructs for training. I will discuss a program of research that has addressed these issues in various ways, leading to a deeper understanding of the processes involved in learning technical skills, with implications for simulation-based medical education broadly.

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Dr. Hamstra was appointed Acting Assistant Dean of AIME on January 1, 2010. He received his graduate degrees from York University in Toronto, and was Associate Professor at the University of Toronto and the University of Michigan before moving to Ottawa in 2009. He is Research Director of the University of Ottawa Skills and Simulation Centre, and maintains an active role with the American Educational Research Association. His research addresses postgraduate medical education, simulation, technical skills acquisition, and faculty development for clinician educators. He takes great pleasure in directing AIME's Healthcare Education Scholars Program (HESP) and is Editor of the Springer Book Series "Advances in Medical Education". He has recently been appointed to the Education Committee of the Royal College of Physicians and Surgeons of Canada.

Please join us.

Dr. Joanna Bates

### **ACCREDITATION:**

As an organization accredited to sponsor continuing medical education for physicians by the Committee on Accreditation of Canadian Medical Schools (CACMS), the UBC Division of Continuing Professional Development designates this educational program as meeting the accreditation criteria of the College of Family Physicians of Canada for up to **1.5 Mainpro-M1 credits** (per session). This program has been reviewed and approved by UBC Division of Continuing Professional Development. Each physician should claim only those credits he/she actually spent in the activity.

### **Accreditation Statement:**

The CHES Research Rounds is a self-approved group learning activity (Section 1) as defined by the Maintenance of Certification program of the *Royal College of Physicians and Surgeons of Canada*.

***The Centre for Health Education Scholarship (CHES) is committed to enhancing health education scholarship by building capacity for educational scholarship across the Faculty of Medicine through collaboration, team-building, mentorship of new faculty, successful funding applications, and other activities.***