

## IMPERIAL COLLEGE LONDON – VIRTUAL HEALTHCARE APPLICATION

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My group at Imperial College London was formed to undertake development and research in Virtual Worlds. It is part of the Division of Surgery, which is world renowned for its pioneering work on surgical skills through simulation, virtual reality, telemedicine and robotic surgery.

For the X10 Workshop, I am offering a live tour of some of our projects that might be helpful for the conference theme "Theme 2: Virtual World Applications Driving Applications – Modeling Healthcare, Retail, Battlefields, Real Estate, Museums, Archaeology Sites, etc"

This could work if at a pre-arranged time participants assemble at a specific SLURL. We could ask for people to register beforehand in order to control numbers and divide them up into separate groups who could each tour the projects in a different sequence. I can give a short presentation using slides inworld then people can tour with a guide and finally reassemble for questions and answer sessions. I think 50 minutes is a reasonable time for the whole session.

More information on projects undertaken by my group at Imperial College London including details and SLurls are at <http://medmedia.wordpress.com>

We develop interactive clinical environments for a wide range of advanced applications in Second Life and compatible platforms. We also manage events and support a growing community of healthcare innovators. We have been active in Second Life for over 3 years and have undertaken several ground-breaking projects including:

- Enabling NHS staff and medical trainees to practise managing virtual patients and clinical emergencies in a safe environment. \*\*awarded a Linden Prize Honorable Mention.
- Help healthcare staff gain properly informed consent from patients with learning disability. A collaboration with University of Brighton, Sussex Partnership NHS Foundation Trust and Grace Eyre Foundation.
- Help providers and patients to visualise and explore future healthcare delivery scenarios. The public engagement project known as "Second Health" incorporates a virtual hospital (polyclinic) and a series of 'machinima' documentary films to describe a vision for future healthcare in London. \*\*has received over 32,000 visits; time spent per visitor averages over 30 mins.
- Our virtual conference centre enables health staff from around the UK and Internationally to participate in International Clinical Summit and UK National Health Service meetings, such as those of the NHS Confederation.