

Virtual Reality & Simulation in Healthcare Summit 2018

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Friday 30 November 2018 De Vere West One Conference Centre, London



Chair and Speakers Include:

Mr Bibhas Roy

*Consultant Orthopaedic Surgeon & Virtual
Orthopaedic Clinic Lead*
Central Manchester University Hospitals NHS
Foundation Trust

Dr Timothy Jung

*Director of the Augmented
and Virtual Reality Hub*
Manchester Metropolitan University

Supporting Organisations



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“Virtual reality is much more than just a new form of entertainment, it is increasingly being used in a wide range of medical applications, from treatments to training.”

The Independent 2017

Virtual Reality in healthcare has now been used to relieve pain, for physical therapy, to reduce fear, anxiety and phobia and for cognitive rehabilitation. When combined with simulation Virtual Reality is increasingly being used for training and education; immersing clinicians in a realistic simulation of a procedure and practising the steps and techniques is now being seen as an effective and relatively low cost way of improving skills and educating clinicians.

This Virtual Reality and Simulation Summit focuses on the practical application of these techniques in everyday clinical practice, this is not a futuristic theory based event but includes practical case studies of how this technology is being used today to improve practice.

Benefits of attending

This conference will enable you to:

- Network with colleagues who are working to implement Virtual Reality and Simulation in Healthcare
- Understand the national context and potential
- Learn from established practice case studies
- Explore how virtual reality can be used in Surgery and the role of the Virtual Surgeon
- Improve your understanding of how we can bring virtual reality and simulation together to improve training and education of clinicians
- Reflect on case studies in various areas where virtual reality is being implemented such as in treating paranoia, for young people in MRI scans, in diagnosis
- Learn about the clinical use of holograms
- Ensure organizational support and understand the economic case for this technology
- Self assess and reflect on your own practice
- Gain CPD accreditation points contributing to professional development and revalidation evidence

10.00 Chairman's Welcome & Introduction

Mr Bibhas Roy *Consultant Orthopaedic Surgeon & Virtual Orthopaedic Clinic Lead Central Manchester University Hospitals NHS Foundation Trust*

10.10 Digital Innovation Improving Patient Care

Speaker to be advised

10.30 Virtual Reality Explained

Dr Timothy Jung

*Director of the Augmented and Virtual Reality Hub
Manchester Metropolitan University*

- what is the potential for virtual reality in healthcare
- current projects and programmes
- looking ahead

11.00 EXTENDED SESSION Virtual Reality improving surgical safety and outcomes Developing the role of the Virtual Surgeon

Speaker to be advised

*Colorectal Surgeon
Barts Health NHS Trust*

- developing the role of the Virtual Surgeon
- using Virtual Reality in the operating theatre
- how VR connecting surgeons across the globe can improve safety and outcomes for patients: our experience at Barts

11.45 *Questions & answers, followed by tea & coffee at 11.35*

12.10 EXTENDED SESSION: Bringing together Virtual Reality and Simulation Is Virtual Reality going to take over simulation?

Speaker to be advised

12.30 Simulation in practice

Does virtual reality simulation have a role in training trauma and orthopaedic surgeons?

Speaker to be advised

13.00 *Extended Discussion, followed by lunch and exhibition*

13.10 *Networking Lunch*

Virtual Reality in Healthcare: Case studies and Practicalities

14.00 Virtual Reality in Rehabilitation: Moving Forward

Speaker to be advised

- developing virtual reality (VR) tools for patients
- innovative approaches to bringing patients, clinicians and developers together
- our experience

14.30 Virtual Reality as a tool for treating severe paranoia

Speaker to be advised

- using virtual reality to 're-learn' that a situation was safe, by experiencing situations they feared without using their defence behaviour
- our experience and the impact
- moving forward

15.00 The Clinical Use of Holograms

Speaker to be advised

- using hologram technology to help surgeons understand the specific anatomy and condition of a patient and be able to see patient's organs.
- supporting pre-surgical planning and the longer term vision to super-impose the hologram on the patient during an operation, and for the image to change in real time to reflect what the surgeons are doing
- developing the system in UCL and future potential

15.30 *Questions & answers, followed by tea & coffee at 15.40*

15.45 Virtual Reality Improving diagnosis

Speaker to be advised

- developing the use of virtual reality in diagnosis
- measuring cognitive impairment, such as the early signs of dementia, by gathering data on how a patient performs everyday tasks
- commissioning virtual reality solutions: our experience

16.15 The economic case for virtual reality in health

Chris Geary

*Innovation Lead - Digital Health, Ageing Society, Health & Nutrition
Innovate UK*

- the economic case for virtual reality in health
- developing a business plan
- our experience and programmes of work

16.45 *Questions & answers, followed by close*

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Friday 30th November 2018, De Vere W1 Conference Centre, London

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Conference Documentation

☐ I cannot attend the conference but would like to receive a PDF containing the conference handbook material, which includes speaker slides, at £49 each.

The PDF will be emailed out after the conference, please fill in the 'Your Details' section above, ensuring your email address is clear and the 'Payment' section..

For more information contact Healthcare Conferences UK on **01932 429933** or email jayne@hc-uk.org.uk

Venue

De Vere West One Conference Centre, 9-10 Portland Place, London, W1B 1PR. A map of the venue will be sent with confirmation of your booking.

Date

Friday 30 November 2018

Conference Fee

- ☐ £365 + VAT (£438.00) for NHS, Social care, private healthcare organisations and universities.
☐ £300 + VAT (£360.00) for voluntary sector / charities.
☐ £495 + VAT (£594.00) for commercial organisations.

The fee includes lunch, refreshments and a copy of the conference handbook. VAT at 20%.

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Accommodation

On confirmation of your booking you will receive information for booking accommodation should you require it.

Confirmation of Booking

All bookings will be confirmed by email, unless stated otherwise. Please contact us if you have not received confirmation 7-10 days after submitting your booking.

Exhibition

If you are interested in exhibiting at this event, please contact Carolyn Goodbody on 01932 429933, or email carolyn@hc-uk.org.uk

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