



SIMULATION AND VR IN CLINICAL EDUCATION AND PRACTICE – MULTIDISCIPLINARY PERSPECTIVES

Venue: TBC, London

CPD: 5 CREDITS



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Given the rise in recent years of the interest and the use of simulation and virtual reality in healthcare, the BIR is hosting a meeting on the use of simulation and VR for clinical education and training.

The event will primarily focus on experiences in both radiology and radiotherapy, but look to involve multidisciplinary perspectives from outside these two main professions, from which to learn and also to share expertise. It looks to share expertise and best practice for using simulation and VR in medical education and practice; focusing on radiology and radiotherapy, but bringing in perspectives from other healthcare disciplines and beyond for a true cross-fertilization of ideas.

09:30	Registration and refreshments	11:40	High fidelity simulation in diagnostic radiography education: A potential replacement for clinical hours? Ms Emma Hyde, Head of Diagnostic Imaging, University of Derby; and Ms Naomi Shiner, Senior Lecturer in Radiography, University of Derby
09:50	Welcome and introduction Dr Mike Kirby, Lecturer of Radiotherapy Physics, Director of Studies, University of Liverpool	12:00	Building CT competency through simulation Mr Rob Stewart, Diagnostic Imaging and Nuclear Medicine Senior Lecturer, University of the West of England
10:00	The Liverpool Radiotherapy Simulation Centre – professional and interprofessional experiences Ms Sarah-Jane Ketterer, Radiotherapy Lecturer, University of Liverpool	12:20	Technical skills training – using augmented reality as part of a stage-based simulation programme in surgery Mr Maulik Gandhi, Bradford Teaching Hospitals NHS Foundation Trust
10:20	Practical uses of VERT physics to support clinical competence and evidence collection for trainee dosimetrists Mr Joe Purden, Senior Lecturer, Interprofessional Studies	12:40	VR and immersive systems for orthoptics education Mr Dave Newsham, Head of Orthoptics, University of Liverpool
10:50	Simulation for radiotherapy – partial replacement of clinical placement Dr Pete Bridge, Senior Lecturer, University of Liverpool		
11:10	Refreshments		

This course provides 5 CPD credits in accordance with the CPD Scheme of the Royal College of Radiologists

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OCTOBER
2020

13:00	Lunch
14:00	3D printing and simulation in radiology Professor Sanjay Gandhi, Consultant Radiologist and Core Clinical Research and Innovation Lead, North Bristol NHS Trust
14:20	The role of AR and VR in interventional radiology training; opportunities and challenges Professor Mo Hamady, Faculty of Medicine, Department of Surgery and Cancer, Imperial College London
14:40	Experiences with VR and simulation in diagnostic radiography Speaker TBC
15:00	Refreshments
15:30	Role of simulation in training – policing and criminology Mr Brian McNeil, Senior Lecturer in Policing, Edge Hill University
15:50	Simulation in modern nursing education programmes Speaker TBC
16:10	Experience with VERT for teaching the physics of photon and charged particle therapy Dr Mike Kirby, Lecturer of Radiotherapy Physics, Director of Studies, University of Liverpool
16:30	Closing remarks
16:40	Close of event

Call for abstracts

We invite researchers and professionals to submit abstracts (up to 400 words) for ePoster and/or YouTube clip presentation relating to all experiences of simulation and VR in clinical practice and education. Material from all medical professionals, clinical workers and clinical educators will be considered for presentation on interactive touchscreens during the meeting for ePosters. YouTube clips (max 10 mins) will be uploaded onto the BIR website for access by meeting delegates.

Submission deadline: 5pm Friday 31 July 2020

<https://www.bir.org.uk/education-and-events/call-for-abstracts/>

Programme organiser

Dr Mike Kirby, Lecturer of Radiotherapy Physics, Director of Studies, University of Liverpool

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