

Thursday 30<sup>th</sup> June 2022  
 Technical Research Workshop (TRW)  
**‘To beat or not to beat the machine, that is the question’**



8:30am	Registration	
9:00-9:10	Welcome and introduction to the TRW	Joerg Lehmann
Session A: What light through yonder window breaks ( <i>Romeo and Juliet, Act 2, Scene 2</i> ) Chair: Dean Wilkinson   Co-Chair: Nick Hardcastle		
9:10-9:30	QUANTEC and beyond.	<i>Vitali Moiseenko</i>
9:30-9:45	Radiobiology in radiotherapy treatment planning – the fourth dimension?	<i>TBC</i>
9:45-10:00	Ultra High Dose Rate Radiotherapy – FLASH-RT	<i>Michael Lerch</i>
10:00-10:15	Radiobiological effectiveness - Proton Beam Therapy vs Photon Beam Therapy	<i>Scott Penfold</i>
10:15-10:30	It doesn't quite add up! Accounting for previous radiotherapy dose.	<i>Sarat Chander</i>
10:30 – 11:00	Morning Tea	
Session B: Lord, what fools these mortals be! ( <i>A Midsummer Night's Dream, Act 1, Scene 1</i> ) Chair: Rob McDowall   Co-Chair: Joerg Lehmann		
11:00-11:20	Risk and process management - the age of the machine	<i>Todd Pawlicki</i>
11:20-11:35	Auto-contouring in radiotherapy – overview of current platforms, processes and pitfalls	<i>Johnson Yuen</i>
11.35-11:45	Data is the new science - machine learning in clinical trial RTQA	<i>TROG - TBC</i>
11:45 – 12:05	Getting TRAC-tion – The TRAC auto-contouring tool is live!	<i>Hollie Min</i>
12:00 - 12:15	Scanning the horizon: Image Registration NTTC Subcommittee Update	<i>Nick Hardcastle</i>
12:15 – 12:30	Scanning the horizon: Adaptive NTTC Subcommittee Update	<i>Michael Jameson</i>
12:30 –1:30	Lunch	
Session C: But, for my own part, it was Greek to me ( <i>Julius Caesar, Act 1, Scene 2</i> ) Chair: Tomas Kron   Co-Chair: Fahim Siddiqi		
1:30-1:50	Forward motion! ACDS audits for adaptive and 4D technologies	<i>Andrew Alves</i>
1:50-2:05	MRI simulation – is the radiographer here to stay in the RT department?	<i>Doaa Elwadia</i>
2:05-2:20	Adaptive technologies – global roadmap for clinical trials or lost in translation?	<i>Sweet Ping NG</i>
2:20-2:40	Data! Data everywhere! – the AUSCat Solution	<i>Lois Holloway</i>
2:40-3:00	VITaL – TROG New Trial Proposal – shifting the treatment paradigm	<i>Hilary Byrne</i>
3:00 –3:30	Afternoon Tea	
Session D: Uneasy lies the head that wears the crown ( <i>Henry IV, Part 2, Act 3, Scene 1</i> ) Chair: Alisha Moore   Co-Chair: Johnson Yuen		
3:30-4:10	Plan Challenge –Anatomical vs Functional Avoidance Lung	<i>John Kipritidis</i>
4:10-4:40	Contouring Accuracy – Head and Neck	<i>Dean Wilkinson</i>
4:40-4:50	<b>Plan Challenge and Contouring Accuracy Winners Announced</b>	
4:50-5:00	Closing remarks & survey completion	<i>Joerg Lehmann</i>
5:00pm	Workshop End	

\* Please note times and presenters are subject to change