IPEM conferences

Physics and QA of Ultrasound
9th February 2021 online

DRAFT PROGRAMME

09.35 – 10.05	**Therapy Ultrasound – current status** Gail ter Haar, The Institute of Cancer Research, Sutton
10.05 – 10.35	**Measurement and calibration to support the evolving clinical applications of ultrasound** Bajram Zeqiri, National Physical Laboratory, Teddington
10:35 – 10:50	**Assessment of the accuracy and precision of three commercially available b-mode ultrasound quality assurance test objects** Piero Miloro, Ultrasound and Underwater Acoustics, National Physical Laboratory, Teddington TW11 0LW,
10:50 – 11.05	**Break**
11.05 – 11.35	**Ultrasound Capsule Endoscopy: What can be Imagined? What is Possible?** Sandy Cochran, James Watt School of Engineering, University of Glasgow Group
11.35 – 11:50	**Towards an impartial acceptance criteria for point of care ultrasound scanners used for COVID-19 patient management.** David Rowland, Medical Physics and Engineering Department, Leeds General Infirmary
11:50 – 12.05	**An adaptation of the ultrasound transducer element test for multi-row arrays** Nick Dudley, United Lincolnshire Hospitals NHS Trust, Lincoln, UK and Multi-Medix Limited, Barrow upon Soar, Leicestershire, UK
12:05 – 12.20	Abstract 2 **Novel in-house string-phantom – a viable alternative to a commercial string-phantom for Doppler velocity measurements?** Aleksandra Kraska, Vascular Studies Unit, Oxford University Hospitals NHS Foundation Trust, UK.
12.20 – 12.30	**Question session**
	Break / posters
13:45 – 14:15	**The role of anthropomorphic phantoms in Diagnostic ultrasound for training and performance evaluation** Jacinta Browne, TU Dublin
14.15 – 14.30	**Survey of a Range of Ultrasound Systems used in Trans-rectal Ultrasound Guided Prostate Brachytherapy using task-specific Contrast Detail Phantoms for the determination of Contrast Detectability Performance** A J Doyle, Centre for Industrial and Engineering Optics, FOCAS, Dublin Institute of Technology, Ireland
14.30 – 14.45	**Introducing automated and objective methods to routine diagnostic ultrasound quality assurance** Dr Tom Lister, Royal Berkshire Hospital.
14:45 – 15:00	**An investigation of machine learning techniques to classify ultrasound QA images by test type.** Nick Gibson, Nottingham University Hospitals NHS Trust, UK.
15:00 – 15:15	Tea break
15:15 – 15:30	**TBC** Sander Dekker of Cablon
15:30 – 16:00	Discussion session (including VP to lead on future of US QA and US profession) Final comments and close

Programme subject to change