

MEDICAL TECHNOLOGIES & SYSTEMS SPECIAL INTEREST GROUP

Thursday 18th July 2019

Innovation Building, BioCity Nottingham,
Pennyfoot Street, Nottingham, NG1 1GF



PART FUNDED BY:



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PROFESSOR PHILIP BREEDON, PROFESSOR OF SMART TECHNOLOGIES, NOTTINGHAM TRENT UNIVERSITY

Philip is Professor of Smart Technologies at Nottingham Trent University, he is also a Chartered Engineer and a Chartered IT professional. Philip leads the Medical Design Research group at NTU. He is a member of the Department of Health's National Institute for Health Research invention for innovation funding panel and holds a number of journal editorial positions. His research interests and latest projects centre on new and emerging technologies and materials. This includes wearable technologies, 3D printing of pathological models, additive and subtractive manufacturing for medical applications, surgical robotics, cardiovascular devices, augmented /virtual/immersive technologies and environments, the surgical pathway and investigative research related to the utilisation of 'smart materials' for medical applications. Through promoting his work and research activities he now works with a number of surgeons and clinicians across Europe. He also has separate research interests linked to improvements in process control using the latest technologies. He was invited, and consequently visited six NASA centres across the USA to discuss potential collaborative research opportunities.



DOCTOR ANDREW NORRIS, CONSULTANT ANAESTHETIST & HONORARY (CLINICAL) ASSOCIATE PROFESSOR, UNIVERSITY OF NOTTINGHAM

Andy graduated in medicine from Sheffield in 1986. After postgraduate training in Anaesthesia in Lancaster, Nottingham, and Toronto, he was appointed as Consultant in Nottingham in 1997. Main work interests are postgraduate education, airway management and research and technology transfer. A former NIHR i4i award holder, he is advisory board member for CHEATA (Centre for Healthcare Equipment and Technology Adoption) and NHS Adviser to the Centre for Health Technologies, University of Nottingham. He was a surgical technologies SBRI Panellist in 2018. In 2018, he and the engineering team at University of Nottingham were runner up in the Association of Anaesthetists Innovation Awards for iTraXS, a novel "smart" endotracheal tube.



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FRANK WORCESTER, RESEARCH ASSISTANT, MEDICAL ENGINEERING DESIGN RESEARCH GROUP (MEDRG), NOTTINGHAM TRENT UNIVERSITY

Frank Worcester is a Hardware Interface Design Research Assistant at Nottingham Trent University (NTU) and member of Medical Engineering Design Research Group (MEDRG). He achieved a BSc. (Hons) in Product Design and an MSc. in Smart Design from Nottingham Trent University. Frank's current role is involved with the Innovation for Invention project (II-LA-0716-20002) in medical product development for patients in order to improve the sedation process for local anaesthetic operations in theatre. This includes working with partners from B.Braun Medical Devices Ltd., Nottingham University Hospitals NHS Trust, the University of Nottingham, and the University of Lincoln. Frank's research interests include medical device design engineering, 3D printing and Finite Element Analysis (FEA).



DOCTOR CHRIS GRIFFITHS, SENIOR RESEARCH AND EVALUATION FELLOW, NORTHAMPTONSHIRE HEALTHCARE NHS FOUNDATION TRUST

Dr Chris Griffiths is Research Fellow at an Northamptonshire Healthcare NHS Foundation Trust (NHFT), a National Institute for Health Research (NIHR) RfPB grant holder and has co-ordinated NIHR, charity and industry funded mental health research. He is collaborating with a number of academic and commercial partners as part a NHFT strategic theme to innovate to change the future



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DR BILL BYROM, VICE PRESIDENT OF PRODUCT STRATEGY & INNOVATION, CRF HEALTH

Bill leads product strategy and innovation, and the electronic patient-reported outcomes (ePRO) Science team, at Signant Health. He has worked in the Pharmaceutical industry for over 25 years and is the author of over 70 publications and two industry textbooks on ePRO. His recent scientific work includes the use of wearable technology and ePRO in clinical trials. Bill is an active member of the Critical Path Institute's ePRO Consortium, is a member of the scientific leadership board of the Digital Medicine Society, and leads a cross-industry working group on wearable technology within the Drug Information Association's Study Endpoints Community. Bill provides eClinical commentary on LinkedIn and Twitter (@billbyrom).



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