

HUMAN FACTORS METHODOLOGIES IN HEALTHCARE

Glasgow Crowne Plaza,
Congress Rd, Glasgow G3 8QT

Thursday 29TH September 2016
9.30 am – 4.30 pm

PROGRAMME

- 09:30 Registration and coffee
- 10:00-10:30 **Welcome and introduction to the ASPiH/ CIEHF event series**
Prof Bryn Baxendale and Dr Steve Shorrock
- 10:30-12:00 **Case Study 1: Enhanced Significant Event Analysis: A Human Factors System Approach for Health Care**
Dr Paul Bowie
This case study introduces and discusses a tool to prompt systems centred event analysis which was originally developed by NES with support from the Health Foundation for the individual practitioner and healthcare team
- 12:00-12:45 Lunch
- 12:45-13:30 **Seven Samurai: Systems Thinking for Change**
Dr Steve Shorrock
This primer to systems thinking for change walks through the systems you need to consider in any change process, but are often forgotten.
- 13:30-15:00 **Case Study 2: Functional Resonance Analysis Method (FRAM): A systems modelling technique from the Resilient Health Care Network**
Dr Al Ross, Dr Laura Pickup, Dr Duncan McNab
This case study introduces and discusses a tool for mapping health systems through their key functions and activities. Practical applications from Primary and Secondary Care will be described and there will be a chance for participants to try a basic 'hands on' model for themselves.
- 15:00-15:15 Coffee
- 15:15-16:15 **Panel discussion: Q&A session with ASPiH/CIEHF Panel**
A broader discussion to encompass themes such as the range of HFE methodologies for healthcare; achievements so far; challenges; the evidence base; opportunities for simulation-based interventions; next steps for building collaborative networks between professional bodies and practitioners
- 16:15-16:30 Closing remarks & evaluation

Speaker Biographies

Prof Bryn Baxendale

Bryn is a Consultant Anaesthetist and Director of the Trent Simulation & Clinical Skills Centre at Nottingham University Hospitals NHS Trust, UK. In 2009 he was appointed as an Honorary Professor at the School of Psychology, University of Nottingham. He is Immediate Past President of the Association of Simulated Practice in Healthcare (ASPiH), and was President from 2009-14. ASPiH is the leading UK learned body focused on the use of simulation and related innovative learning technologies within healthcare professional education and training, workforce development, and quality and patient safety improvement. Bryn currently has national roles with Health Education England and the Royal College of Anaesthetists related to technology enhanced learning and broader educational themes of patient safety, Human Factors, and team training.



Dr Steve Shorrock

Steven is a Chartered Ergonomist and Human Factors Specialist and a Chartered Psychologist, with a background in internal and external consultancy in human factors and safety management in several industries, government, and as a researcher and educator in academia. He holds a BSc in Applied Psychology, an MSc (Eng) in Work Design and Ergonomics, and a PhD in human factors in air traffic control. Steven is a safety and human factors specialist and European safety culture programme leader at EUROCONTROL where he works in countries throughout Europe, and adjunct Senior Lecturer at the University of New South Wales, School of Aviation.



Dr Paul Bowie

Paul is Programme Director for Safety & Improvement in the Medical Directorate of NHS Education for Scotland and Honorary Senior Lecturer at the University of Glasgow Institute of health and Wellbeing. He has worked in the NHS in Scotland for over 20 years in a range of quality and safety advisory roles.



Dr Laura Pickup

Laura is Human Factors Research Fellow at the University of Nottingham where she gained her MSc and PhD in Human Factors, and a trained Physiotherapist who worked in the NHS for 10 years. Laura currently consults independently for healthcare organisations, working with a wide range of groups, including on risk and incident analysis and the development and the delivery of Human Factors education.



Dr Al Ross

Al is a Chartered Ergonomist and Human Factors Specialist and a Chartered Psychologist, and Lecturer in Behavioural Science at Glasgow Dental School. He is also Human Factors lead at the Centre for Applied Resilience in Healthcare at King's College London. Al has Human Factors experience in healthcare, the rail industry, the civil nuclear industry and the military.



Dr Duncan McNab

Duncan is a General Medical Practitioner and an Associate Adviser in Quality Improvement and Patient Safety for NHS Education for Scotland. He is Clinical Lead for Patient Safety in Primary Care, NHS Ayrshire and Arran.

