



# Healthcare Estates<sup>®</sup>

Conference. Exhibition. Hybrid.



## HOSPITALS OF THE FUTURE

Monday 18 October

### DIGITAL CONFERENCE

09:00-09:30 Welcome from Pete Sellars, Chief Executive Officer & Paul Fenton MBE, President, IHEEM

09:30-10:00 Online Exhibition & Digital Networking

#### Keynote Address

10:00-10:30 An Introduction to the New Hospital Programme's Commercial Philosophy

*Emma-Jane Houghton, Commercial Director, New Hospital Programme*

10:30-11:00 In Conversation with David Flory, CBE, Designate Chair, Lancashire and South Cumbria ICS, Interim Chair, Cheshire and Merseyside ICS

*Chaired by Pete Sellars, IHEEM CEO*

#### Strategy

11:05-11:45 Wolfson Economics Prize 2021

*Robert Ede, Head of Health & Social Care/Prize Director, Policy Exchange*  
*Chaired by Jonathan Erskine, Executive Director, EUHPN*

#### Design & Construction

11:05-11:45 Digital Challenges for the Healthcare Estate

*Steve Batson, IHEEM ADBE Member, Graeme Hall, Executive Chairman, Brandon Medical. Chaired by Jonathan Stewart, National Chair, HEFMA*

#### System Governance

11:05-11:45 Do We Know Which Hospital to Build and Why We're Doing it?

*Stephen Wright, Independent Economic Consultant, Honorary Professor, University College London*

#### Sustainability

11:05-11:45 Achieving Net Zero Carbon, Lessons Learnt from Trusts Leading the Way Using the Public Sector Decarbonisation Scheme

*Terry Hull, Strategic Asset Services Director, GMS; Sarah Thomas, Deputy Chief Financial Officer, University Hospitals Birmingham NHSFT; Stephen Lowndes, Technical Director, Carbon & Energy Fund. Chaired by Andrew Chatten, Director of Estates & Facilities, Nottingham University Hospital*

11:45-12:15 Online Exhibition & Digital Networking

12:15-12:55 Primary Care Estates Challenges

*David Gratrix, Projects Director, Castle Gate Projects Ltd*

12:15-12:55 Maintaining Quality Through Design & Construction - Approach to Quality Monitoring and Assurance

*Richard Beattie, Senior Engineer & Thomas Rodger Principal Engineering Manager, Health Facilities Scotland*  
*chaired by Simon Adamson, IHEEM Conference Committee Member*

12:15-12:55 Defining an Improved Asset Management and Lifecycle Capability for the NHS

*Keith Hamer - Managing Director Gloucestershire Managed Services*  
*Chaired by Phil Wade, IHEEM Conference Committee Member*

12:15-12:55 Decarbonising the NHS

*Sameen Khan, Salix Finance*

13:00-13:40 Why System Wide Infrastructure Planning is Essential to Deliver an Efficient and Sustainable Health System

*Nicola Theron, Director of Estates, North Central London, ICS; Ian Sabini, Managing Consultant, Gbpartnerships Consult.*  
*Chaired by Mark Williams, IHEEM Council Member*

13:00-14:00 The Future of Healthcare Design

*Jaime Bishop, Fleet Architects, Hannah Brewster, ADP, John Cooper, John Cooper Architects. Chaired by Alice Green*

13:00-13:40 The Revised HTM 03-01 Specialised Ventilation for Healthcare Premises & HBN 06 Imaging and HBN 11 Primary Care

*Malcolm Thomas, Main Author HTM03-01, Malcolm Thomas Consultancy*

13:00-13:40 The Roadmap to a Net Zero Hospital

*David Evans, Schneider Electric*

13:40-14:00 Online Exhibition & Digital Networking

14:00-14:40 'Our Homes Within A Park' - Proactive Delivery of the Health and Wellbeing Agenda in Partnership with Alder Hey Children's NHS Foundation Trust

*Harinder Dhaliwal, CEO, Step Places and David Powell Development Director, Alder Hey Childrens NHSFT.*

14:00-14:40 Principles of Design for Ergonomic Pendant Solutions for Minimally Invasive Surgery and Shorter Recovery Times in Intensive Care Units

*Scott Pickering, Brandon Medical*

14:00-14:40 Fire Safety Management Competency

*Andrew Foolkes, Tenos Ltd*

14:00-14:40 Addressing the Challenge to Becoming Net Zero

*Gail Scholes, Head of Public Sector and Housing, Zenergi*

14:40-15:20 Redeveloping Land for Financial, Strategic and Environmental Gain

*Mark Trumper, London Northwest University Healthcare NHS Trust*  
*Chaired by Duane Passman, IHEEM Conference Committee Member*

14:40-15:20 Let's Not Forget Those Who Forget! What Individuals With Dementia Think of The Design of Their Living Environment?

*Loukia Minetou, PHD Student; Dr Evangelia Chryssikou; Dr Niamh Murtagh, Bartlett School of Construction and Project Management UCL. Chaired by Mark Williams, IHEEM Council Member*

14:40-15:20 How to Optimise a Hospital's Maintenance and Operations

*Paul Armstrong, Schneider Electric*

14:40-15:20 Meeting the NHS Net Zero 2040 Challenge

*Paul Graham, Kingston Hospital NHS Trust; Julian Miller, Ameresco Ltd*

15:20-16:00 Producing an Approvable NHS Business Case in a Dynamic Policy Environment

*Helen Pickering, Senior Director & Martin Clark, Director of Healthcare Advisory Service, Currie & Brown*  
*Chaired by Duane Passman, IHEEM Conference Committee Member*

15:20-16:00 Designing Mental Healthcare Settings to Prioritise Access to Outdoor Space: The Benefits for Wellbeing

*Ruairi Reeves, Medical Architecture. Chaired by Simon Adamson, IHEEM Conference Committee Member*

15:20-16:00 From Conception to Completion in 12 months - Modern Methods of Construction in Healthcare

*Sarah Wallwork, Healthcare Planning Lead and Paul Webb, Project Principal, Mott MacDonald. Chaired by Phil Wade, IHEEM Conference Committee Member*

15:20-16:00 The Greenest Health Building in the UK

*Eugene Prinsloo; Jamie Andrews, Community Health Partnerships*

16:00-16:30 Online Exhibition & Digital Networking

16:30-17:10 Future Healthcare Planning - Panel Discussion

*Jonathan Erskine, Executive Director, EUHPN, Prof Grant Mills, Professor of Healthcare Infrastructure Delivery & Dr Anne Symons, Senior Research Fellow in Healthcare Design and Raed Ashour, Researcher, The Bartlett School of Sustainable Construction, Steve Batson, Studio Director, Stephen George Partnership, Stephen Wright, Independent Economic Consultant, Honorary Professor, University College London, Liesbeth van Heel, Researcher, Erasmus MC. Chaired by Pete Sellars, CEO, IHEEM*

16:30-17:10 Delivering on The Potential of Modern Methods of Construction (MMC) Approaches For The Health Estate

*Rob Ewen, K2 Consultancy. Chaired by Duane Passman, IHEEM Conference Committee Member*

16:30-17:10 Technical Standards and Guidance Update Programme: Lesson Learned & Next Steps

*Michael Rope, Head of Technical Guidance, NHS England & NHS Improvement Estates*

16:30-17:10 Decarbonising Healthcare - Delivering NHS Net Zero Ambitions

*Richard McWilliams, Turner & Townsend*



# INFRASTRUCTURE & FUTURE RESILIENCE

Tuesday 19 October

**DIGITAL CONFERENCE**

**LIVE EXHIBITION**

09:30-10:00 Exhibition/Platform Visit/Networking

## Keynote Address

**10:00-11:00 Preparing for and Dealing with the Unexpected.**

Scott Hislop, Programme Delivery, NHSX & David Fassam, National Investigator, Healthcare Safety Investigation Branch (HSIB).  
Chaired by Nigel Keery, IHEEM Council Member

## Operational Management

**11:05-11:45 How the Use of Platform-Based Approaches Help Deliver Net Zero Carbon Community Buildings at an Affordable Scale**

Anastasia Chrysafi, Tim Carey, Willmot Dixon

## Infrastructure Resilience

**11:05-11:45 NHS Scotland Assure**

Eddie McLaughlan, Assistant Director, Engineering, Environment and Decontamination, NHS National Services Scotland. Chaired by Alison Ryan, IHEEM Council Member

## COVID-19 Lessons Learnt

**11:05-11:45 The Emergency Department's Response to COVID-19: How Reactive Changes in Flow and Communications has Reshaped Our Vision for Future A&E Designs**

Jon Huddy, Huddy Healthcare Solutions; Duncan Sissons, Sissons Consult Ltd. Chaired by Paul Fenton MBE, President, IHEEM

## Future Requirements

**11:05-11:55 Future Carbon Standards**

Fiona Daly, National Sustainability and Workforce Lead, Estates and Facilities, NHSE&I, Rebecca Stubbs, Technical Advisor, Mott Macdonald, Paul Ruysevelt, Professor of Energy and Building Performance at UCL Energy Institute, University College London chaired by Ian Hinitt, Chair of IHEEM Environmental Sustainability Technical Platform

11:45-12:15 Exhibition/Digital Platform Visit/Networking

**12:15-12:55 Finding the True Value in Your BMS**

John Dorward, Honeywell – Trend

**12:15-12:55 Deliver Site Cost Savings & Improve Power Efficiency With One Power Monitoring System**

Richard Govier, Socomec UK Ltd

**12:15-12:55 Healthcare Provision in a Pandemic**

Karina Jones, Eta Projects. Chaired by Paul Fenton MBE, President, IHEEM

**12:15-12:55 Delivering New Hospitals Fit for an Uncertain Future**

Martina Cardi, Bryden Wood

**13:00-13:40 Protecting IOT Communication of Emergency Lighting in Healthcare Premises**

Alan Daniels, P4. Chaired by Mark Williams, Director, EDGE

**13:00-13:40 Principles of Insulating Monitoring Devices in Hospital Medical IT Systems**

Matthew Mears, Bender UK. Chaired by Alison Ryan, IHEEM Council Member

**13:00-13:40 COVID-19 Compliant Facility at New Cross Hospital**

Simon Bourke, RPS Group

**13:00-14:00 Procurement, Policy and Standards: How do we build what we actually need?**

Faye Dolan, Procure Partnerships, Michelle Humphreys, Manchester NHSFT, Steve Bentley, Mott Macdonald, Conor Ellis, Archus. Chaired by Gareth Banks

13:40-14:00 Exhibition/Digital Platform Visit/Networking

**14:00-14:40 NHS Good Food, Good Health**

Phil Shelley, Senior Operational & Policy Manager – Soft FM & Emma Brookes, Head of Soft FM Strategy & Operations, NHS Estates & Facilities, Commercial Directorate. Chaired by Adrian Eggleton, IHEEM Conference Committee Member

**14:00-14:40 Neutral Earthing and Fault Clearance With UPS Systems**

Alex Emms, Kohler Uninterruptible Power. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform

**14:00-14:40 Net Zero Carbon Standards - Formal Information Session**

Rebecca Stubbs, Technical Advisor, Mott Macdonald, Greg Chant-Hall, Operations Director, Square Gain. Chaired by Fiona Daly, National Sustainability and Workforce Lead

**14:00-14:40 Challenging Hospital Planners and Designers to Early Integrate the Specialist Engineering and Manufacturing Supply Chain**

Prof Grant Mills, Professor of Healthcare Infrastructure Delivery & Dr Anne Symons, Senior Research Fellow in Healthcare Design & Raed Ashour, Researcher, The Bartlett School of Sustainable Construction. Chaired by Mark Williams, IHEEM Council Member

**14:40-15:20 Promoting Healthy Eating in Hospital/Ward Catering**

Sue Brown, Associate Development Director; David Houghton Senior Project Manager, Alder Hey Childrens NHSFT

**14:40-15:20 Design Considerations for the Modern Operating Theatre: Supporting the implementation of UHD Medical Video, Audio and AI capability**

Richard McAuley, Brandon Medical

**14:40-15:20 Ventilation Systems in Hospitals and COVID-19. What did we learn from the Pandemic?**

Martin Deevy, Technical Director, Overclean Chaired by Richard Harris, IHEEM AE(V)

**14:40-15:20 COVID-19 & Healthcare Integration**

Smriti Singh, Arcadis

**15:20-16:00 Chillers & Heat Pumps in Healthcare Premises**

Sigrid Volkmann, STS

**15:20-16:00 Battery Storage Installations for Hospitals**

Bill Reeves, Eta Projects. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform

**15:20-16:00 COVID-19 Safe Re-Opening Case Study**

Frank Mills, Frank Mills Consultancy

**15:20-16:00 Providing a Safe Environment for Operating on Non-Infectious and Infectious patients**

Richard Knight, Richard Knight Consultancy Ltd

16:00-16:30 Exhibition/Digital Platform Visit/Networking

**16:30-17:10 Natural Technology and Healthcare: Greener Steam Technologies**

Daniel Wells, National Consultant Specialist, Spirax Sarco

**16:30-17:10 The Knowledge of Power - BMS Optimisation**

Stewart Royle; Martin Norris, Saker Controls Ltd

**16:30-17:10 "PROTECT" – COVID-19 National Core Study**

Professor Catherine Noakes, OBE, Professor of Environmental Engineering for Buildings, University of Leeds. Chaired by Duncan Sissons, IHEEM Conference Committee Member

**16:30-17:10 Technology to Capture, Extract and Purify Waste Anaesthetic Gases**

Dr Matt Gopal, Head of Clinical Engagement, SageTech Medical Equipment Ltd. Chaired by Richard Harris, IHEEM AE(V)

18:15-19:30 Drinks Reception within the Exhibition Hall & Virtual Awards



# SCIENCE & INNOVATION

Wednesday 20 October

## DIGITAL CONFERENCE

## LIVE EXHIBITION

09:30-10:00 Exhibition/Platform Visit/Networking

### Keynote Address

#### 10:00-11:00 Panel Discussion: Infection Resilient Environments

*Dr Shaun Fitzgerald OBE, Director, Centre for Climate Repair at Cambridge*  
*Prof Peter Guthrie, Professor of Engineering for Sustainable Development, Department of Engineering, University of Cambridge*  
*Prof Catherine Noakes OBE, Professor of Environmental Engineering for Buildings, University of Leeds*  
*Andrew Poplett, Chair of IHEEM Ventilation Technical Platform*  
 Chaired by Paul Fenton MBE, IHEEM President

### Research

### New Technologies

### Case Studies

### IHEEM Technical Platforms

#### 11:05-11:45 Innovation in the New Alder Hey Hospital

*Claire Liddy, Managing Director, Innovation; David Powell, Development Director, Alder Hey Childrens NHSFT. Chaired by Alison Ryan, IHEEM Council Member*

#### 11:05-11:45 The Future of Diagnostics with Facible's Quantum-Logic Aptamer Analyte Detection

*Dr Steven Burden, Founder & CEO, Facible. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform*

#### 11:05-11:45 "Wayfinding+" The Art of Better Orientation

*Martin Jones, Art in Site. Chaired by Karina Jones, IHEEM AE(W)*

#### 11:05-11:45 IHEEM Ventilation Technical Platform, HTM 03-01 (2021) - Update and Overview of Major Changes,

*Andrew Poplett, IHEEM Ventilation Technical Platform Chair*

11:45-12:15 Exhibition/Digital Platform Visit/Networking

#### 12:15-12:55 User-Led, Innovative Healthcare Building Design

*Rachel Beverley-Stevenson, OneMedical Property*

#### 12:15-12:55 Big Savings, Greater Efficiency, Optimised Care: Building Intelligence Platforms will Transform Hospitals

*Rob Faro & Chris Evans, Tclarke. Chaired by Karina Jones, IHEEM AE(W)*

#### 12:15-12:55 Creating Community Spaces for Patient Wellbeing

*Louise Hardwick, Rhea Horlock & Paul Cross NHS Property Services*

#### 12:15-12:55 IHEEM Electrical Technical Platform, How resilient is your Zero Carbon Electrical infrastructure?

*Eugene Conroy, IHEEM Electrical Technical Platform Member*

#### 13:00-13:40 Safe Sustainable Operating Theatre Design in a Modern NHS

*Rabiya Zia, University of Cambridge*

#### 13:00-13:40 Introduction to the UK Health Security Agency

*Carole Fry, Infection Prevention and Control Lead, HCAI, Fungal, AMR, AMU & Sepsis Division, UK Health Security Agency. Chaired by Pete Sellars, IHEEM CEO*

#### 13:00-14:00 Virtually Healthy: How Digital Transformation is Changing the Design of Healthcare Environments

*Claire Liddy, Alder Hey Children's NHSFT, Dr Ian Jackson, Ian Newell, Refero, Sirinda Bhandal, Simply Connect. Chaired by Caroline Mulholland*

#### 13:00-13:40 IHEEM Fire Safety Technical Platform

*Stephen Ball, MSc, IHEEM Fire Safety Technical Platform Member*

13:40-14:00 Exhibition/Digital Platform Visit/Networking

#### 14:00-14:40 Decision Tools for Improving Energy and Environmental Performance of Hospital Energy Systems

*Muditha Abeysekera, Cardiff University*

#### 14:00-14:40 Therapeutic Design with Cinematic Nature Art

*Mark Minard, Moving Essence*

#### 14:00-14:40 Spatial Analytics - The Evolution of Space in the NHS

*Ken Gordon & Dr Andrew Dobbins, Micad*

#### 14:00-14:40 IHEEM Water Technical Platform

*Steve Mount, IHEEM Water Technical Platform Member*

#### 14:40-15:20 Physical Control of Microbiologically Contaminated Water in Healthcare Facilities

*Marissa Khoukaz, Pall*

#### 14:40-15:20 Pharmafilter A Cleaner Hospital, A Healthier Environment where Health, Green and Clean-Tech Merge

*Peter Kelly, Pharmafilter*

#### 14:40-15:20 Building the Nightingale Hospital North West - Q&A

*Emma Lepley, Architect Associate, BDP Manchester; Matthew Hird, Architect Associate, BDP Manchester Juliette Cosgrove, Chief Nurse and Director of Clinical Governance, NHS Professionals; Garry Bowker, Regional Director, North-West, Vinci, Chair; Ged Couser, Principal, Architecture, BDP Manchester*

#### 14:40-15:20 IHEEM Professional Development Committee Update

*Carl McKenzie, Chair and Cliff Howell, Member of the IHEEM Professional Development Committee*

#### 15:20-16:00 Application of HVAC Air Filtration to Minimize Airborne Infection Risk

*Peter Dymant, Camfil*

#### 15:20-16:00 UVC Light Based Technology Solutions for Better Healthcare Premise

*Rasib Khan, 3H Technologies Ltd. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform*

#### 15:20-16:00 Transforming Community Health Services Whilst Retaining Services on Site

*Matt Tebbatt, One Creative Environments & Mark Jones, ADO Strategic Estates & Capital Planning, South Warwickshire NHS Foundation Trust*

#### 15:20-16:00 IHEEM Decontamination Platform, JAG/IHEEM Audit Tool - An Evolving Partnership to Raise Standards

*Brian Kirk, IHEEM Decontamination Technical Platform, Chair and John Prendergast, IHEEM Decontamination Technical Platform, Member*

16:00-16:30 Exhibition/Digital Platform Visit/Networking

#### 16:30-17:10 Making the Invisible, Visible - Airborne Particle Monitoring and Control Systems Integration with Ventilation Canopies for Improved Infection Control and Higher Patient and Staff Safety

*Scott Pickering, Brandon Medical. Chaired by Duncan Sissons, IHEEM Conference Committee Member*

#### 16:30-17:10 Wireless Bluetooth Mesh Lighting controls in Big Projects

*Stephen Jackson, Casambi Technologies Oy. Chaired by Paul Harris, Chair IHEEM Electrical Technical Platform*

#### 16:30-17:10 The Digital Hospital Experience

*David Evans, Schneider Electric. Chaired by Mark Williams, IHEEM Council Member*

#### 16:30-17:10 IHEEM ADBE Technical Platform

# WORKFORCE

Thursday 21 October

## DIGITAL CONFERENCE

09:30-10:00 Online Exhibition & Digital Networking

### Keynote Address

**10:00-11:00 Fighting with Pride: The LGBT+ Military Charity**  
*Craig Jones and Caroline Paige, CEO's, Fighting With Pride*  
Chaired by Kim Shelley Chair and Duane Passman Member, IHEEM Diversity and Inclusion Working Group

### Looking After Our People

**11:05-11:45 The Faraday Challenge and How IET are Supporting STEM Education Programmes**  
*David Lakin, Head of Education, Safeguarding & Education Policy, IET,*  
Chaired by Paul Fenton MBE, IHEEM President

### Belonging

**11:05-11:45**  
*Louise Clark, Deputy Director of EFM, Guys and St Thomas. Chaired by Duane Passman, Member of Diversity and Inclusion Working Group*

### New Ways Of Working

### Growing For The Future

**11:05-11:35**  
*TAHPI, IHEEM Knowledge Partner*  
*Aladin Niasmand, Director*

**11:35-12:05**  
*Asset Wisdom, IHEEM Knowledge Partner*  
*June Lancaster, Managing Director*

11:45-12:15 Online Exhibition & Digital Networking

**12:15-12:55 Career Map**  
*Monira Kaouech, Project Support Officer, IHEEM*

**12:15-12:55**  
*Karol Kuczera, Diversity & Inclusion and Staff Experience Programme Manager, NHSE&I and Nick Groves, Associate Director Workforce Strategy & Transformation & LGBTQ+ Network Convenor. Chaired by Kim Shelley, Chair of IHEEM Diversity and Inclusion Working Group*

**12:15-12:55 Methods and Predictive Models to Stress-test Hospital-wide Medical Planning Solutions for High Performance**  
*Jon Huddy & David White*

**13:00-13:30**  
*PPL Training, IHEEM Knowledge Partner*

**13:00-13:40 MyIHEEM CPD**  
*Tania Davies, Chief Operating Officer, IHEEM*

**13:00-13:40 InterEngineering and How This Inspired the Focus on Masculinity in Engineering**  
*Dr Mark McBride-Wright, Founder & Managing Director, EqualEngineers.*  
Chaired by Kim Shelley, Chair of IHEEM Diversity and Inclusion Working Group

**13:00-14:00 Engagement on the Edge: Design team lessons learned from a pandemic**  
*Chris Thornton, ADP, Justin Harris IBI Group, Sonia Scott, BMJ Architects, Susan Grant, Health Facilities Scotland. Chaired by Paul Gilligan*

**13:35-14:05 Eta Projects, IHEEM Knowledge Partner, Eugene Conroy, Managing Director**

13:40-14:00 Online Exhibition & Digital Networking

**14:00-14:40 National Apprenticeship Programme**  
*Eileen M Bayles, Regional Training & Development Manager, Northern & Yorkshire NHS Assessment Centre; Simon Dennis, Commercial Manager, Salisbury Procurement Hub*

**14:00-14:40 Mermaids Charity**  
*Verity Smith - Trans Inclusion in Sports Youth Worker. Chaired by Kim Shelley, Chair of IHEEM Diversity and Inclusion Working Group*

**14:00-14:40 "Lightworks": Combining Artwork With Lighting to Combat the Clinical Dark Age**  
*Louisa Williams, Art in Site. Chaired by Claire Hennessy, Chair of IHEEM Conference Committee*

**14:05-14:35**  
*Spirax Sarco, IHEEM Knowledge Partner, Sally O'Connell, UK Steam Technology Centre Manager*

**14:40-15:20 Up-skilling the NHS Estates and Facilities Workforce; the Facilities Management Apprenticeship degree'**  
*Dr Peter Farrell, Programme Lead, University of Bolton & Lucy Rowe, National Diversity and Young Persons Lead for NHSE&I. Chaired by Mark Williams, IHEEM Council Member*

**14:40-15:20 Fighting with Pride Panel Discussion.** Chaired by Kim Shelley, Chair of IHEEM Diversity and Inclusion Working Group

**14:40-15:20 Lessons from the Pandemic for the Next Generation of Hospitals**  
*Paul Fenton MBE, Associate Director of Estates & Facilities East Suffolk & North Essex NHSFT, Duane Passman, Acute Redevelopment Programme Director, West Hertfordshire Hospitals NHS Trust, Kevin Oxley, Director of Estates, Facilities and Capital Planning, South Tees Hospitals NHSFT. Chaired by Nigel Edwards, Chief Executive, Nuffield Trust*

**14:35-15:05 Immerse Training, IHEEM Knowledge Partner, Steve Mount**

**15:30-16:00**  
*SFG20, IHEEM Knowledge Partner*

**16:00-16:30**  
*Dudley IOT, IHEEM Knowledge Partner*

16:00-16:30 Online Exhibition & Digital Networking

**16:30-17:10 Augustine Tanner-Ihm, Assistant Curate & Minister for Inclusion & Engagement - Church of England, Diocese of Manchester.** Chaired by Kim Shelley, Chair of IHEEM Diversity and Inclusion Working Group

\*Please note that this Conference Programme is subject to change

# INTERNATIONAL PERSPECTIVE

Friday 22 October

## DIGITAL CONFERENCE

### Healthcare Provision, Operation and Management

09:00-10:00 Online Exhibition & Digital Networking

12:05-13:00 Online Exhibition & Digital Networking

**10:00-11:00 Update from International Federation of Healthcare Engineering**  
*Daniela Pedrini, IFHE President & Darryl Pitcher, Fabio Bitencourt, Walt Vernon, IFHE Committee Members*  
Chaired by Duncan Sissons, IHEEM Conference Committee Member

**11:05-12:05 How to Increase the Safety of Medical Personnel in a Hospital - Protective Airflow Solution**  
*Ismo Grönval, Halton*

**14:05-15:05 Parkhjørnet - A Fully Automated Centralized Sterile Services Building at Haukeland Hospital in Bergen**  
*Thomas Leitner, Rambøll Denmark*

**15:05-16:05 Infrastructure Climate Change Action**  
*Peter Smyth, Assistant National Director Capital & Estates; Bill O'Reilly, Estates Manager, Connolly Hospital, Health Service Executive. Chaired by Duncan Sissons, IHEEM Conference Committee Member*

**13:00-14:00 Automation and Robotics in Healthcare**  
*Kevin Smith & Esa Ikäheimonen, Ramboll, Chaired by Alice Green and Jonathan Erskine*

16:35-17:35 Conference Closing Remarks - Paul Fenton MBE, IHEEM President

Networking

IHEEM

Plenary Theatre  
Sponsored by:

Vanguard  
Healthcare Solutions

## Keynote Sessions

Catering

Engineering & Compliance Zone

Catering

A70	B67	C68	D68	E68	F67	F68	G68						
A66		C64	D63	E64	F65	F64	G59	G64					
A62	B59	B62	B63	C62	D61	D62	E62	F62	G57	G62	H57	H60	
A58	A57	B58		C58		D58	E58	Infection Control & Water Theatre		G58		H58	
A53	A56	B56	B57	Digital Content Theatre		D55	D56	E56	F53	F56	G55	G56	H55
	A52	B54				D54	E54	F51		G51	G52		
HVAC & Engineering Theatre		B52		C54	D51	D50	E50	E48	F50	G50			
	B50			C50		D46				G46			

Catering

Energy & Sustainability Zone

### VIP Meeting Area

Sponsored by:

wandsworth  
HEALTHCARE

A43	A44	B46	C46	D39		F46	G45	G44
A41	A40	B44	C44			F44	G43	G40
A38	Digital Content Theatre		B38	C38	D35	Ambridge Stunts		
A34		B34	C34	BENDER		F38	G38	H38
						G34		
A32	B31	B32	C31	C32	D32	E32	F34	G32
A28	B29	B28	C29	C28	D30	D31	E28	G28

Catering

Digital Content Theatre



Design & construction Zone

Facilities Management Zone

Digital Content Theatre

A24	B25	B26	C26	D26	E26	F26	G25	G26		
A22		B22	C24	Catfoss	E22					
A20	B19	B20	C15	D20		F20	G20	G20		
A18	B15	B16		D16		F16	G16	G16		
A14	B11	Digital Content Theatre		C14	D14	E14	F14	G15	G14	
A12	B9			C10	D10	E12	F12	G13	G10	
A8	B7	B8	C8	D9	D8	E8	F8	G9	G8	
A4		B4	C4	D4		E6	F5	F4	G5	G6
						E4				

Networking



Entrance

Registration Sponsored by: Vanguard Healthcare Solutions

Networking

# Exhibition hall and exhibitor list

19-20 October

## LIVE EXHIBITION

10architect .....	F12	Geberit Sales.....	D68	PAGABO .....	G28
ADC – The Automatic Door Company.....	C64	GEMchem .....	G51	Pall Medical.....	G50
Aerocom (UK) Ltd.....	E28	Geoffrey Robinson Limited .....	G52	Parkingeye.....	A18
AFH.....	H10	Gerflor .....	C14	Perfect Circle .....	C28
AFL Architects.....	H38	Getinge.....	C8	Phil-Tec.....	B19
AG Instruments Ltd.....	F67	Gilgen Door Systems .....	G45	Portakabin.....	E12
Aidcall .....	C26	Gilling Dod Architects .....	D10	Power Control.....	B25
AkzoNobel .....	G13	Glamox Luxonic .....	B34	Powerstar .....	A44
Alarm Radio Monitoring.....	C50	Global View Systems.....	B20	PPL Engineering Services .....	B11
Altecnic.....	H58	Gradus.....	C20	PPL Training.....	C1
Aqua Free GmbH.....	D50	GT Cleaning Machines.....	D30	Precision UK .....	F20
Aqua Protec Ltd.....	B63	Guardian Electrical Compliance..	D55	Premier Modular .....	G29
Arco.....	G9	Healthcare Design & Management .....	G6	ProEconomy .....	D46
ARI-Armaturen UK .....	C4	HEFMA.....	B32	Pro-Fire Systems.....	C54
Arjo UK.....	F51	Hiltons .....	C44	Rada – A Kohler Company.....	E62
Armitage Shanks.....	F44	Howorth Air Technology .....	A4	Record UK .....	G5
Ascom .....	D51	HSL Compliance.....	D62	Refreshment Systems.....	C29
ASSA ABLOY Entrance Systems Ltd.....	D14	Hydro-X Water Treatment Ltd.....	D58	Roth UK .....	D56
AVM Services .....	A12	Hysopt.....	A40	S I Sealy & Associates .....	C34
Avrenim Group Ltd .....	A43	IBI Group.....	H42	Safehinge Primera.....	G20
Axis Automatic Entrance Systems .....	G44	ICS Cool Energy .....	B56	Saint-Gobain Ecophon.....	G16
BeaconMedaes .....	E64	IDEXX Technologies Ltd .....	G56	Salto Systems.....	C24
Bender UK .....	D35	IHEEM & Health Estate Journal .....	J1	Schneider Electric.....	B50
BESA .....	A66	Ingleton Wood .....	G25	SFG20.....	B9
BioClad.....	D9	Interfurn Medical Systems Ltd .....	A52	Shire Controls.....	D20
Brandon Medical.....	B1	InVentry .....	B7	SHJ Hospital Pipelines.....	C38
Britplas .....	D4	ISG .....	G15	SOCOMEK .....	B29
Building & Facilities Management .....	A20	JCA Engineering.....	F16	Specialist Door Solutions .....	D19
Catfoss.....	D26	Karl Storz Endoscopy .....	G64	Stable Media.....	G2
CEF .....	A38	Kemper UK & Ireland .....	E48	Starkstrom .....	F34
CIBSE/SoPHE.....	C62	Kingsway Group .....	D8	Static Systems Group.....	D32
Cisterniser .....	F62	Kohler Uninterruptible Power Ltd.	B16	Steven A Hunt & Associates.....	G34
Clearwater Technology .....	D61	KwickScreen.....	G10	Stirling Medical .....	H57
Collida.....	B31	Langley Waterproofing Systems Ltd.....	F14	STJ Projects.....	D39
Complete Ventilation Solutions...	B38	Lawton Tubes .....	B54	Sunbelt Rentals Limited.....	A62
Construction Specialties UK Ltd.	G43	Logan Construction .....	E22	T.A.D Architects /T.A.D Facilities Management.....	E8
Dart Valley.....	F56	Lumenata.....	F32	Tandrup UK.....	G58
DAY Architectural.....	G14	Media Area .....	E50	TClarke .....	C46
DDC Dolphin .....	E56	Medical Architecture .....	G46	Test Incorporated .....	A2
Design in Mental Health Network...	A3	Medical Engineering Systems.....	E54	The Wandsworth Group .....	VIP Area
Dionix Air Quality Systems Ltd .....	A53	Medical Gas Services Ltd .....	E4/E6/F5	Thorlux Lighting .....	F4
Dr Schutz UK .....	C15	Micad .....	D63	Trend Control Systems .....	C32
Draeger Medical UK Ltd.....	D54	Midtherm UV Limited.....	G62	Turner & Townsend .....	G32
DSSR .....	E32	Millennium Medical Products Ltd...	B4	University of Bolton, School of Engineering.....	A22
Duct Clean Scotland .....	B62	Multivista .....	A70	Veolia .....	A34
Dupal UK .....	F53	NAHFO .....	B57	Vernacare.....	B8
eEnergy Group PLC .....	A28	neQis.....	F65	Wernick .....	G8
ENWA Water Technology .....	B52	New Hospital Programme .....	D22	Wheelshare .....	F64
FLEXIM Instruments UK Ltd .....	D64	NHSIE.....	B59	WMSoc, LCA and CSCA.....	H60
Forbo Flooring UK.....	B44	NSR Management.....	A14	Workspace (Scotland) LLP.....	C10
Foris Solutions .....	E14	Open Parking.....	B26	WT Partnership.....	G38
GAMA Healthcare .....	G57	Overclean.....	A8	Yeoman Shield.....	B10
		P3 Phoenix Pipeline Products.....	F8	Yewdale.....	H26
		P4 .....	C31	Zenergi .....	B28