

ROYAL COLLEGE OF PHYSICIANS LONDON | 11-13 JUNE 2018

# EUROPEAN HEALTHCARE DESIGN

RESEARCH • POLICY • PRACTICE

Organised by



ARCHITECTS FOR HEALTH

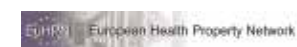


## PRELIMINARY PROGRAMME

### UTOPIA OR DYSTOPIA? VISIONING THE FUTURE OF HEALTH

Register at [www.europeanhealthcaredesign.eu](http://www.europeanhealthcaredesign.eu) | [info@europeanhealthcaredesign.eu](mailto:info@europeanhealthcaredesign.eu)

Partners



# TIMETABLE OF EVENTS

## March 2018

Launch of the Preliminary Programme and online registration

## 26 April 2018

Deadline for early bird/speaker registration, and manuscripts

## Monday 11 June 2018

08.00–18.00: EHD 2018 Congress & Exhibition

18.00–20.00 Welcome Drinks Reception

## Tuesday 12 June 2018

08.00–18.00: EHD 2018 Congress & Exhibition

17.00–18.00 EHD 2018 Awards

18.00–22.00: Garden Party

## Wednesday 13 June 2018

09.00–18.00: Study visits to UK health facilities

# UTOPIA OR DYSTOPIA? VISIONING FOR THE FUTURE OF HEALTH

As societies undergo economic, political and social shifts against rapid technological change and disturbance to our natural environment, health systems need radical rethinking. How will our choices define healthcare for future generations?

The future is accelerating ever faster towards us. Fictional predictions of the past 50 years – such as driverless cars and interactive robots – are now here. Advances in healthcare technologies are hastening, from remote or algorithmic diagnosis, to the application of AI, nanotechnology and personalised medicine. The means with which we can diagnose, cure or manage diseases and chronic conditions are growing every year.

Health systems have changed at a slower pace. Some new models of care are now emerging, with an emphasis on population-based models that work across the continuum of primary, community, mental health and acute care. But the profound social, political and economic implications associated with refining complex systems present challenges that often put a brake on progress.

Providing an interdisciplinary forum for policy advisors, researchers and practitioners from around the globe, the 4th European Healthcare Design 2018 (EHD2018) Congress & Exhibition will be held on 11–13 June, 2018 at the Royal College of Physicians in London, UK. Organised by Architects for Health and SALUS Global Knowledge Exchange, the Congress adopts a whole-system approach to redesigning European health systems and services, through the exchange of knowledge, research and international best practice on the relationship between health system and service design, technology and the built environment.

## Legacy challenges

Transforming healthcare's system architecture to improve performance, quality, access and outcomes is often challenged

by the legacy of its built and technological infrastructure, and the failures of more innovative commercial design thinking to deliver on its promise.

Great progress has been made in designing buildings and places that are more humane and compassionate, to re-assure, uplift and bring pleasure to patients and staff. But more innovation is needed in the way we think about the building typologies and settings for health and care, and their integration with technology now and in the future. The architecture of healthcare was set free from its functional, industrial form 20 years ago. Globally, there are many wonderful examples of healthcare design, but we're still uncertain about the nature these adapted buildings should take. The new definition of healthcare architecture is yet to be understood by the health professions or the public. Indeed, do we need recognisable building types anymore? Do health buildings have public responsibilities?

Most public buildings – healthcare included – benefit as much from applied and embodied art as they do from traditional artworks. As art and technology fuse in the virtual and physical world, how can we exploit these opportunities in healthcare design to improve the experience and outcomes for patients, families and staff?

## Sustainable development

The architecture of healthcare must also contribute to sustainable development. The scale of larger hospital projects provides opportunities for creating 'healthy' mixed-use communities on 'green' campus sites. There is also an increasing need for an architectural response to the consequences of climate change.



Healthcare providers must also show leadership in minimising and preparing for the impact of environmental disasters on the health of their communities. We must continue to promote whole-life values over the emphasis on short-term capital investment and adopt a systems-based ecological approach to energy, materials use, and an informed application of technology.

More health-conscious and digitally savvy, young people today are developing different attitudes to personal health and organised healthcare than previous generations. The difficult choices being made now around the design, funding and development of our healthcare buildings, technology and system architecture will define whether healthcare provision is a utopia or dystopia for future generations.

In addition to a full two-day conference programme, the event features: a Welcome Drinks Reception; an exhibition of the latest design and technology solutions; and study tours of the UK's most innovative new health facilities. Clinicians for Design will hold a lunchtime panel discussion on 11 June on applying medical practice and research, while, on 12 June, the Helen Hamlyn Centre for Design will lead a lunchtime design workshop on the topic: 'How future-ready are cities to deliver healthcare?'. That same day, Architects for Health with the European Health Property Network will host two health infrastructure workshops.

The congress will close with a ceremony to present the European Healthcare Design 2018 Awards, which recognise design excellence in the global healthcare environment. This will be followed by the highly popular Garden Party in the spectacular medicinal gardens of the Royal College of Physicians.



**JOHN COOPER**  
Past chair  
Architects for Health



**MARC SANSOM**  
Director  
SALUS Global Knowledge  
Exchange



**DR ALI PARSA**  
Founder and CEO,  
Babylon, UK



**DR DAISY FANCOURT**  
Research fellow, Wellcome,  
University College London;  
Director of research, Breathe  
Arts Health Research, UK



**BRUCE DAVIS**  
Co-founder and joint  
managing director,  
Abundance Investment,  
UK



**PROF SARAH HARPER**  
Professor of gerontology,  
University of Oxford;  
Co-director, Oxford Institute  
of Population Ageing, UK



**LOUISE WILSON**  
Co-founder and joint  
managing director,  
Abundance Investment,  
UK



**DR SHARAD P PAUL, MD**  
Skin cancer surgeon;  
adjunct professor,  
Auckland University of  
Technology, New Zealand

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## 08.00 REGISTRATION OPENS



### SESSION 1

#### Opening plenary

Chair: **Richard Darch**, Archus, UK

**08.45 Welcome and introduction**  
John Cooper, past chair, Architects for Health, UK

**08.50 Chair's welcome**  
Richard Darch, chief executive, Archus, UK

**09.00 Keynote address: The global health impacts of population ageing**  
Sarah Harper, professor of gerontology, and director, Oxford Institute of Population Ageing, UK

**09.30 Keynote address: Digital health and AI – personalised healthcare made accessible, affordable and universal**  
Dr Ali Parsa, founder and CEO, Babylon, UK

**10.00 Panel discussion**

**10.15 COFFEE, EXHIBITION & POSTER GALLERY**



### SESSION 2

#### Utopia or dystopia? New visions

Chair: **John Cole**, Queen's University Belfast, UK

**10.45 Health as capital**  
John Cooper, director, John Cooper Architecture, UK

**11.10 Intensive care unit design in 2050: merging the future with the present**  
Dr Neil A Halpern, MD, director, critical care center, Memorial Sloan Kettering Cancer Center, USA

**11.35 Do we have any idea where medical algorithms are taking us?**  
Andy Black, chairman, Durrow Health Services Management, New Zealand

**12.00 Panel discussion**

**12.30 LUNCH, EXHIBITION & POSTER GALLERY**





### SESSION 3

Architecture and technology

Chair: Katie Wood, Arup, UK

- 14.00 Transformational cancer centre design supports the implementation of disruptive technologies**  
Catherine Zeliotis, healthcare design leader, Stantec, UK

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- 14.20 The future of cancer care, supported by an interactive digital platform: a perspective from Maggies**  
Simon Butler, associate, Arup, UK

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- 14.40 Pharmacogenetics and architecture**  
Emma Smyth, architect, Cowan Architects, UK

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- 15.00 Panel discussion**

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- 15.30 COFFEE, EXHIBITION & POSTER GALLERY**



### SESSION 4

Telecare and remote health

Chair: Noemi Bitterman, Technion, Israel

- 16.00 Telemedicine and the future of disruption**  
Louis A Meilink, Jr, principal, Ballinger, USA  
Christina Grimes, senior associate, healthcare planner, Ballinger, USA

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- 16.20 NHS Calderdale CCG's quest for quality in care homes – using telehealthcare to enable integrated, anticipatory and sustainable health and care services**  
Fay Lambert, marketing manager, Tunstall Healthcare (UK), UK  
Dr Belinda Coker, clinical director, Tunstall Healthcare (UK), UK

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- 16.40 Panel discussion**



### SESSION 5

Keynote plenary

Chair: Richard Darch, Archus, UK

- 17.00 Keynote address: Democratising capital – the choice to invest in health**  
Bruce Davis, co-founder and joint managing director, Abundance Investment, UK  
Louise Wilson, co-founder and joint managing director, Abundance Investment, UK

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- 17.45 Panel discussion**

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- 18.00 Close**

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- 18.00–20.00 EXHIBITION, POSTER GALLERY & WELCOME DRINKS RECEPTION**





Stream 2 begins at 10.45 in the Council Chamber, after the day's opening plenary session (08.45–10.15).



### SESSION 6

**Designing care pathways**

Chair: Dan Wellings, King's Fund, UK

**10.45 Better together: the power of collaboration in Singapore's healthcare infrastructure**  
Yvonne Lim Lai Yong, senior lead specialist; Kelly Hi Kai Ling, specialist, MOH Holdings, Singapore

**11.05 Integrated health hubs in the new healthcare economy**  
Justin Harris, studio principal, IBI Group, UK

**11.25 Transforming the future of post-acute care models**  
Hank Adams, global director, HDR, USA  
Barry Fleischer, corporate strategy, Shirley Ryan AbilityLab, USA  
Jon Crane, director, HDR, USA

**11.45 Care pathway blueprint: a tool that helps introduce new technologies to enable effective health care improvement**  
Sara Manzini, design researcher  
Stefania Marcoli, principal director, design for healthcare  
Chiara Diana, creative director, Frog Design, Italy

**12.05 Panel discussion**

**12.30 LUNCH, EXHIBITION & POSTER GALLERY**

**12.30–13.30 PANEL DISCUSSION**  
**Clinicians for Design: applying medical practice and research at the healthcare interface**

Organised by:



**Panel led by:** Dr Eve Edelstein, co-founder, Clinicians for Design, and research director, Perkins+Will Human Experience Lab, International  
Dr Diana Anderson, co-founder, Clinicians for Design, and fellow, Perkins+Will Human Experience Lab, International



### SESSION 7

**Hospitals without walls**

Chair: Sasha Karakusevic, NHS Horizons, UK

**14.00 Western HealthLinks**  
Craig Nelson, head of unit nephrology and medical director, Healthlinks, Western Health, Australia  
Robert Rothnie, director, service planning and development, Western Health, Australia  
Jason Plant, programme director, Western Health, Australia  
Dr Arlene Wake, executive director, community integration, Allied Health and Service Planning, Western Health, Australia

**14.20 Creating hospitals without walls: addressing health at the level of individuals, communities and globally**  
David Allison, alumni distinguished professor and director, Clemson University, USA

**14.40 What level of estate transformation is needed to enable the future multispeciality community provider (MCP) models to be implemented and deliver full potential benefits?**  
Laura Garnham, strategic estate planner, Shared Agenda, UK

**15.00 Panel discussion**

**15.30 COFFEE, EXHIBITION & POSTER GALLERY**



### SESSION 8

**New models of residential care**

Chair: Sylvia Wyatt, Age UK Isle of Wight, UK

**16.00 Carebnb concept for short-term alternate attendant care in a homely environment close to home**  
Femke Feenstra, board architect and interior architect, de Jong Gortemaker Algra Architects and Engineers, Netherlands  
Aziza Aachiche, senior advisor, Twynstra Gudde, Netherlands

**16.20 Mixed building: an inclusive environment for therapeutic activity and apartments for independent living**  
Albert Vitaller i Santiro, chief architect, Vitaller Arquitectura, Spain

**16.40 Panel discussion**

Stream 2 will be brought to a close at 17.00, whereupon delegates are invited to return to the Wolfson Theatre for the day's closing plenary session (17.00–18.00).

Stream 3 begins at 10.45 in the Sloane Room, after the day's opening plenary session (08.45–10.15).



### SESSION 9

**Innovation in capital investment**

Chair: **Chris Shaw**, Architects for Health, UK

**10.45 Tail wagging the dog? Using investment in facilities to support and encourage new clinical models**  
Kate Copeland, executive director, Metro North Hospital and Health Service, Australia

**11.05 Innovation in commercial design for healthcare infrastructure**  
Richard Darch, chief executive, Archus, UK

**11.25 Enabling the future: funding health infrastructure for transformational change**  
Rhonda Kerr, director, economics, health services and planning, guidelines and economics (GENI); principal health planner, Hames Sharley Architects and Planners; PhD candidate, Curtin University, Australia

**11.45 Making health projects more commercial and sustainable – Brighton General Hospital as one such example**  
Conor Ellis, partner, Rider Levett Bucknall, UK  
Geoff Braterman, associate director, Sussex Community NHS FT, UK

**12.05 Panel discussion**

**12.30 LUNCH, EXHIBITION & POSTER GALLERY**



### SESSION 10

**Designing for flexibility**

Chair: **Jim Chapman**, Manchester School of Architecture, UK

**14.00 Reimagining the estate and clinical visions at Oxford University Hospitals NHS Foundation Trust**  
Jason Pearson, healthcare architecture lead, AECOM, UK  
Dr Bruno Holthof, chief executive, Oxford University Hospitals NHS FT, UK  
Belinda Boulton, director of transformation, Oxford University Hospitals NHS FT, UK

**14.20 Circle Birmingham Hospital**  
Martina Cardi, associate architect, BrydenWood, UK  
Paul O'Neill, director, BrydenWood, UK  
Dries Hagen, head of property, Circle Health, UK

**14.40 Evaluation of design strategies for flexibility and adaption**  
William Fawcett, CAR Activity-Space Simulation, Cambridge Architectural Research, Cambridge, UK

**15.00 Panel discussion**

**15.30 COFFEE, EXHIBITION & POSTER GALLERY**



### SESSION 11

**Lean design**

Chair: **Hank Adams**, HDR, USA

**16.00 A novel Lean-designed ED-based critical care centre in the United States reduces ICU utilisation**  
Dr Cemal B Sozener, MD, assistant professor, University of Michigan Medical Center, USA  
Dr Benjamin S Bassin, MD, assistant professor, University of Michigan Medical Center, USA

**16.20 Physician engagement and perspectives in Lean facility design process**  
Dr Diana Anderson, MD, co-founder, Clinicians for Design; fellow, Perkins+Will, International  
Robert C Harris, PE, associate director of facility planning and operations, University of Michigan Medical Center, USA  
Dr Cemal B Sozener, MD, assistant professor, University of Michigan Medical Center, USA  
Dr Benjamin S Bassin, MD, assistant professor, University of Michigan Medical Center, USA

**16.40 Panel discussion**

Stream 3 will be brought to a close at 17.00, whereupon delegates are invited to return to the Wolfson Theatre for the day's closing plenary session (17.00–18.00).

# DAY 1, STREAM 4: ART, DESIGN AND TECHNOLOGY

11 June 2018, Linacre Room

Stream 4 begins at 10.45 in the Linacre Room, after the day's opening plenary session (08.45–10.15).



## SESSION 12

Translational research design

Chair: Simon Kydd, WSP, UK

- 10.45 **Transformational design for translational research**  
Eleanor Richardson, healthcare planner, Great Ormond Street Hospital for Children NHS FT, UK  
Gavin Henderson, director, Stanton Williams Architects, UK
- 11.05 **Blurring boundaries: creating porous healthcare environments for teaching, learning and healing**  
Stephane Lasserre, principal, B+H Architects, Singapore
- 11.25 **Hybrids – are research buildings the new hospitals?**  
Stefanie Matthys, architect, Nickl & Partner Architekten, Germany  
Hieronimus Nickl, board member, Nickl & Partner Architekten, Germany
- 11.45 **Would I want to work there? Stitching a successful health precinct together**  
Sheree Proposch, principal, HASSELL, Australia
- 12.05 **Panel discussion**
- 12.30 **LUNCH, EXHIBITION & POSTER GALLERY**



## SESSION 13

Mental health design

Chair: Marte Lauvsnes, Sykehusbygg, Norway

- 14.00 **Dolf's Room**  
Andrea Möhn, director and architect, AM\_A, Andrea Möhn Architects (formerly Möhn + Bouman Architects), Netherlands  
Linda van Beest, manager, healthcare, Ipse de Bruggen, Netherlands
- 14.20 **Designing for autism**  
Paul Yeomans, director, Medical Architecture, UK
- 14.40 **Collaboration to improve the psychiatric care environment in Sweden**  
Werner Satter, general manager, Philips, Netherlands  
Patrick Lerou, business leader EMEA, Philips, Netherlands  
Dr Peadar O'Mordha, principal, Philips, UK
- 15.00 **Panel discussion**
- 15.30 **COFFEE, EXHIBITION & POSTER GALLERY**



## SESSION 14

Designing for remote communities

Chair: Stephane Vermeulen, VK Architects & Engineers, Belgium

- 16.00 **Lessons from Aboriginal Australia**  
Brett Cowling, CEO, Australian Regional & Remote Community Services, Australia  
David Kaunitz, director and architect, Kaunitz Yeung Architecture, Australia
- 16.20 **Multidisciplinary design: a prototype for a mobile peritoneal dialysis unit**  
Soranart Sinuraibhan, assistant professor, Kasetsart University, Thailand  
Saithiwa Ramasoot, Kasetsart University, lecturer, Thailand  
Supreeya Wungpatcharapon, lecturer, Kasetsart University, Thailand  
Kuanchai Kakaew, lecturer, Kasetsart University, Thailand
- 16.40 **Panel discussion**

Stream 4 will be brought to a close at 17.00, whereupon delegates are invited to return to the Wolfson Theatre for the day's closing plenary session (17.00–18.00).







**08.00 REGISTRATION OPENS**



## SESSION 15

### Opening plenary

**Chair: John Cooper**, Architects for Health, and programme director, European Healthcare Design 2018, UK

**08.55 Welcome and introduction**

John Cooper, past chair, Architects for Health, UK

**09.00 Keynote address: How the arts, creativity and cultural participation can support health**

Dr Daisy Fancourt, research fellow, Wellcome, Psychobiology Group, Department of Behavioural Science and Health, University College London, UK

**09.30 Keynote address: Saving doctors from themselves – designing medicine with empathy and compassion**

Dr Sharad P Paul, MD, surgeon, physician, biologist, and adjunct professor, Auckland University of Technology, New Zealand

**10.00 Panel discussion**

**10.15 COFFEE, EXHIBITION & POSTER GALLERY**



## SESSION 16

### Redefining health and sustainability

**Chair: Tye Farrow**, Farrow Partners, Canada

**10.45 Designing future-ready healthcare in the city**

David Symons, head of Future Ready Programme, WSP, UK

**11.05 Health quarters of the future**

Albert Wimmer, architect, Albert Wimmer ZT / Architects Collective ZT, Austria

**11.25 Food as medicine, farm as therapy: a multidisciplinary approach to planning a food-based social enterprise for Toronto Rehabilitation Institute**

Adeline Cohen, project co-ordinator, University Health Network, Canada

Edward Rubinstein, director, University Health Network, Canada

Megan Torza, architect, DTAH Architects, Canada

Ryan Turnbull, founder and president, Eco-Ethonomics, Canada

**11.45 Dumfries and Galloway Royal Infirmary – delivering a new garden hospital**

Paul Bell, partner, Ryder Architecture, UK

David Lewis, partner, NBBJ, UK

**12.05 Panel discussion**

**12.30 LUNCH, EXHIBITION & POSTER GALLERY**



## SESSION 17

### Greening healthcare

Chair: Jonathan Wilson, Stantec, UK

**14.00 Healing environment: the South West Acute Hospital, Enniskillen**

Alison King, principal landscape architect, LUC, UK  
Richard Hannay, director, landscape architecture, LUC, UK  
Edward Tarratt, associate director, landscape architecture, LUC, UK

**14.20 The hospital, a living organism – towards a biophilic design approach**

Coen van den Wijngaart, architect, international business development manager, Art & Build, Belgium  
Steven Ware, architect and partner, Art & Build, Belgium  
David Roulin, CEO, Art & Build, Belgium  
Marco Da Col, architect and concept designer, Art & Build, Belgium

**14.40 Children's Health Park with the New Alder Hey**

David Powell, development director, Alder Hey Children's NHS FT, UK  
Laura Naylor, park project co-ordinator, Alder Hey Children's NHS FT, UK  
David Houghton, project manager, Alder Hey Children's NHS FT, UK

**15.00 Panel discussion**

**15.30 COFFEE, EXHIBITION & POSTER GALLERY**



## SESSION 18

### International standards

Chair: Chris Little, HLM, UK

**16.00 Restorative design for healthcare workers: from research to practice**

Whitney Austin Gray, Delos, USA  
Mara Baum, director of sustainability and health, HOK, USA

**16.20 Towards a quantitative sustainability assessment of hospital buildings in Belgium**

Milena Stevanovic, PhD candidate, KU Leuven, Belgium  
Karen Allacker, assistant professor, KU Leuven, Belgium  
Stephane Vermeulen, director healthcare, VK Architects & Engineers, Belgium

**16.40 Panel discussion**



## SESSION 19

### Closing plenary and awards

Chair: Chris Shaw, Architects for Health, UK

**17.00 European Healthcare Design Awards 2018**

Supported by lead sponsor:



**17.40–17.50** Announcement of the Visualite competition winner of £10,000 worth of clinical lighting solutions



**17.50–18.00 Closing address**

John Cooper, Architects for Health, and programme director, European Healthcare Design 2018, UK

**18.00–22.00 GARDEN PARTY**



# DAY 2, STREAM 6: MULTI-GENERATIONAL DESIGN

12 June 2018, Council Chamber

Stream 6 begins at 10.45 in the Council Chamber, after the day's opening plenary session (08.55–10.15).



## SESSION 20

Designing for women and children

Chair: Bas Molenaar, TU Eindhoven, Netherlands

- 10.45 **Sheffield Children's Hospital – the hospital as a civic building in the 21st century**  
Duncan Finch, director, Avanti Architects, UK
- 11.05 **Case study: creating a new hospital typology – together with the users**  
Elisabeth Ginsberg, innovation consultant; Bent Ottesen, medical director; Anne-Mette Bang Termansen, project executive; Naja Lyng Rasmussen, project architect, Rigshospitalet, Denmark
- 11.25 **The Alder Centre**  
Susie Le Good, associate director, Allford Hall Monaghan Morris, UK
- 11.45 **Concept design for a new mother and baby unit at Panzi Hospital, Bukavu, DR Congo**  
Cristiana Caira, lead architect and partner; Agnes Orstadius, architect, White arkitekter, Sweden  
Marie Berg, professor in healthcare sciences, University of Gothenburg, Sweden
- 12.05 **Panel discussion**
- 12.30 **LUNCH, EXHIBITION & POSTER GALLERY**
- 12.30–13.30 **LUNCHTIME DESIGN WORKSHOP**  
**How future-ready are cities to deliver healthcare?**  
Following on from David Symons' paper (10.45–11.05) in the Wolfson Theatre, this interactive workshop will set out to design and understand the criteria for cities to meet the healthcare needs of their growing and ageing populations.

Organised by:



Led by: Rama Gheerawo, director; Jonathan West, research fellow, head of healthcare research space; Gail Ramster, senior research associate, Helen Hamlyn Centre for Design, Royal College of Art, UK; David Symons, director of sustainability, WSP, UK



## SESSION 21

Designing for older people

Chair: Charlotte Ruben, White arkitekter, Sweden

- 14.00 **Architecture for Alzheimer's disease**  
Catarina Oom, Architect, Pinearq, Spain
- 14.20 **Caring for the elderly in China**  
Zheng Rong, partner, Robarts Spaces, China  
Silvia Minciarelli, creative director, Robarts Spaces, China  
Vivien Chen, project manager, Robarts Spaces, China  
Luigi Della Morte, architect, Robarts Spaces, China
- 14.40 **Prescribing virtual reality (VRX): can exposure to simulated natural environments using virtual reality offer an alternative therapy to those living with dementia/cognitive impairment who are limited to being outside?**  
Lora Appel, research scientist, University Health Network, Canada  
Eva Appel, research associate II, University Health Network, Canada  
Dr Howard Abrams, director, general internal medicine, University Health Network, Canada  
Jennifer Campos, chief research scientist, Toronto Rehabilitation Institute, Canada
- 15.00 **Panel discussion**
- 15.30 **COFFEE, EXHIBITION & POSTER GALLERY**



## SESSION 22

Paediatric and neonatal care design

Chair: Warren Kerr, Hames Sharley, Australia

- 16.00 **Agency in the paediatric hospital: engaging children in the research**  
Stephanie Liddicoat-Ocampo, architectural researcher, Melbourne School of Design, University of Melbourne, Australia  
Rebecca McLaughlan, research fellow, Melbourne School of Design, University of Melbourne, Australia
- 16.20 **The future of lighting design for neonatal care – Helsingborg Hospital**  
Moa Pauhson, lighting designer, WSP, Sweden  
Åsa Moum, lighting designer, Moum Design, Sweden
- 16.40 **Panel discussion**


Stream 6 will be brought to a close at 17.00, whereupon delegates are invited to return to the Wolfson Theatre for the day's closing plenary session (17.00–17.45).






Stream 7 begins at 10.45 in the Sloane Room, after the day's opening plenary session (08.55–10.15).

	<b>SESSION 23</b> <b>Designing for emergency and critical care</b> <b>Chair: Ganesh Suntharalingam</b> , Intensive Care Society, UK
10.45	<b>Maximising emergency department capacity through comprehensive design</b> Jon Huddy, president and senior healthcare consultant, Huddy HealthCare Solutions, USA
11.05	<b>The effect of ward typologies on quality of care: lessons from the past to inform the future</b> Rosica Pachilova, PhD, researcher, UCL, UK Kerstin Sailer, PhD, reader, UCL, UK
11.25	<b>A healing bridge: King's Critical Care Centre</b> Allan Martin, associate, BMJ Architects, UK Thomas Best, critical care consultant and clinical lead for the KCCC project, King's College Hospital NHS Foundation Trust, UK Nick Benn, director, BMJ Architects, UK Matthew Ellams, capital projects team, King's College Hospital, UK Georgina Manson, associate, BMJ Architects, UK
11.45	<b>Humanising spaces: the Hepatic Intensive Care Unit of the Hospital Clinic of Barcelona</b> Clara Rius, architect, Estudi PSP Arquitectura, Spain Ramon Torrents, architect, Estudi PSP Arquitectura, Spain
12.05	<b>Panel discussion</b>
12.30	<b>LUNCH, EXHIBITION &amp; POSTER GALLERY</b>

	<b>SESSION 24</b> <b>Operating theatre design</b> <b>Chair: Peter Fröst</b> , Chalmers University of Technology, Sweden
14.00	<b>Understanding the impact of induction room versus operating theatre on child and parent anxiety during the ambulatory surgical process</b> Dr Lynn Martin, medical director, continuous improvement and innovation; interim director, Bellevue Clinic and Surgery Center, Seattle Children's Hospital, USA Deborah Wingler, doctoral candidate, Clemson University, USA
14.20	<b>Operating room design: characteristics and future suggestions</b> Noemi Bitterman, director, Medical design graduate programme, Technion – Israel Institute of Technology, Israel
14.40	<b>How large should the OR be? Using a multidisciplinary systems approach to designing safer operating rooms</b> Anjali Joseph, associate professor, Spartanburg Regional Healthcare System; endowed chair in architecture + health, Clemson University, USA Kevin Taaffe, Harriet and Jerry Dempsey associate professor in industrial engineering, Clemson University, USA
15.00	<b>Panel discussion</b>
15.30	<b>COFFEE, EXHIBITION &amp; POSTER GALLERY</b>

	<b>SESSION 25</b> <b>Integrating technology in the operating theatre</b> <b>Chair: Stephanie Williamson</b> , Great Ormond Street Hospital for Children NHS FT, UK
16.00	<b>Operating theatre integration – new efficiencies</b> Ruth Strickland, joint managing director, MTS Health, UK Andrew Frost, technical director, MTS Health, UK David Dunn, business development manager, Barco, UK
16.20	<b>Design considerations for hybrid/digital operating rooms</b> Daniel Zikovitz, senior solutions architect, GE Healthcare, Canada
16.40	<b>Panel discussion</b>

Stream 7 will be brought to a close at 17.00, whereupon delegates are invited to return to the Wolfson Theatre for the day's closing plenary session (17.00–17.45).

# DAY 2, STREAM 8: STRATEGIC INFRASTRUCTURE PLANNING AND DEVELOPMENT

12 June 2018, Linacre Room

Stream 8 begins at 10.45 in the Linacre Room, after the day's opening plenary session (08.55–10.15).



## SESSION 26

**Health infrastructure workshop: investment, planning and delivery**

Chair: **John Cole**, Queen's University Belfast, UK

10.45–  
12.30

**Health infrastructure workshop: investment, planning and delivery**

Organised by:



### Panel:

Simon Corben, director and head of profession, NHS Estates and Facilities, NHS Improvement, UK



David Powell, development director and executive lead for innovation, Alder Hey Children's Hospital NHS FT, UK



Marte Lauvsnes, project and development hospital planning manager, Sykehusbygg, Norway



Yvonne Lim, deputy director, Health Infrastructure Projects Division, MOH Holdings, Singapore

In the morning session of this two-part workshop targeted at project and development directors and strategic health planners, participants will explore issues concerning the 'Lifecycle economy of healthcare infrastructure'. A core focus will be how to form and evaluate business cases for capital investment that connect with informed thinking on the future direction of clinical services, and the planning and design of infrastructure. The session will explore how to plan the estate and property to match the need, but taking into account the costs of both operating the services and capital investment. Longer-term infrastructure resilience challenges and responses to climate change, and health service impacts from population migration and major incidents, will also be discussed.

12.30

**LUNCH, EXHIBITION & POSTER GALLERY**



## SESSION 27

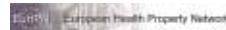
**Health infrastructure workshop: guidance and standards**

Chair: **Jonathan Erskine**, European Health Property Network, UK

14.00

**Health infrastructure workshop: health guidance – how are we doing and where are we going?**

Organised by:



### Panel:

Chris Shaw, chairman, Architects for Health, UK  
Paul Mercer, Architects for Health, UK  
Carole Crane, Architects for Health, UK

For more than two years, Architects for Health has been making the case for developing and redrafting UK health guidance, encapsulated in the suite of documents known as Health Building Notes and Health Technical Memoranda. During that period, significant organisational changes within the NHS have impacted on guidance development, as have parallel widespread cost pressures in the service. The second part of the workshop session will present and reflect on the work conducted to date on the renewal of UK health guidance by Architects for Health, in association with partner organisations. International colleagues will be invited to give input and share their experiences and challenges in the development of new guidance programmes and models.

15.30

**COFFEE, EXHIBITION & POSTER GALLERY**



## SESSION 28

**Evaluation and performance**

Chair: **Jonathan Puddle**, AECOM, UK

16.00

**ProCure 22 Efficiency and Productivity Programme, pre- and post-occupancy evaluations toolkit**

Rosemary Jenssen, director, Jenssen Architecture, UK

16.20

**The performance gap in modern design**

James Outram, principal engineer, Hoare Lea, UK  
Gavin Crook, associate engineer, Hoare Lea, UK

16.40

**Panel discussion**

Stream 8 will be brought to a close at 17.00, whereupon delegates are invited to return to the Wolfson Theatre for the day's closing plenary session (17.00–17.45).



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# POSTER PRESENTATIONS

- P01 Patient-centred retail health in China**  
Sophie Crocker (China), Zheng Rong (China), Luigi Della Morte (China), Michelle Cheng (China)
- P02 Patient safety case**  
Kate Bradley (UK), Dan Gibson (UK)
- P03 Cross-sector pioneers**  
Wendy de Silva (UK), Pat Farrell (UK)
- P04 Haunted: addressing the memory of violence in a design culture of security**  
Gavin McLachlan (Canada)
- P05 Creating wellness in architecture – utilising integrated, multidisciplinary systems for better health and wellness in the built environment through an architectural doctor**  
Timothy D Rossi (USA)
- P06 The need for collective intelligence in strategic health planning**  
Alexandru Senciuc (UK)
- P07 The Metric Handbook**  
Claudia Bloom (UK), Vicky Braouzou (UK)
- P08 Health guidance – how are we doing and where are we going?**  
Paul Mercer (UK), Carole Crane (UK)
- P09 Personnel-centred study for advancing the quality of hospital care**  
Paulina Szuba (Poland), Agata Gawlak (Poland), Magda Matuszewska (Poland)
- P10 Availability of health facility design and research curricula opportunities in the USA**  
Juliet L Rogers (USA), Anjali Joseph (USA)
- P11 The effect of ward typologies on quality of care: lessons from the past to inform the future**  
Rosica Pachilova (UK), Kerstin Sailer (UK)
- P12 Can population health survive in the United States?**  
Louis A Meilink, Jr (USA), Christina Grimes (USA)
- P13 Health and wellness hubs – can they take the pressure off our creaking hospital-based care system?**  
Jonathan Wilson (UK)
- P14 The connection between design quality and project success for healthcare projects**  
Jane Carthey (New Zealand)
- P15 Research collaboration as innovation: moving the science forward with a multi-firm research coalition model for major healthcare design projects**  
Juliet L Rogers (USA), Jeri Brittin (USA)
- P16 Reframing stroke rehabilitation spaces: a multidisciplinary approach to design evaluation**  
Ruby Lipson-Smith (Australia), Julie Bernhardt (Australia), Heidi Zeeman (Australia), Clare Newton (Australia)
- P17 Ecologies of care: designing, construction and living with care (homes)**  
Mikaela Patrick (UK), Chris McGinley (UK), Christina Buse (UK), Sarah Nettleton (UK)
- P18 Evaluating design options of a family-centred inpatient unit**  
Nirit Putievsky Pilosof (Israel), Yehuda E Kalay (Israel), Jacob Yahav (Israel)
- P19 A look from the inside**  
Veronica Baroni (UK)
- P20 From Foucault to Hillier: the interconnection of space and society in facilities for behavioural health**  
Dr Evangelia Chrysikou (UK), Alan Penn (UK)
- P21 How design can be a tool for healing**  
Joseph Stuyfzand (Netherlands)
- P22 Locus of health and wellness in the built environment**  
Joseph Falzon (UK), Whitney Austin Gray (USA)
- P23 Bio-inspired approach to healthcare environment – case study of a private clinic for integrative medicine**  
Mayumi Iitsuka (France)
- P24 Developing and implementing performance requirements for a major comprehensive cancer centre**  
Katie Wood (UK), Jonathan Ainley (UK)
- P25 Defining the value proposition: a holistic approach for 21st century healthcare design**  
Rebecca Moore (Australia), Katharina Nieberler-Walker (Australia), Cheryl Desha (Australia)
- P26 The art of healing: a people-centric approach to healthcare design**  
Chris McQuillan (Canada)
- P27 Defining, addressing and designing for behavioural health**  
Philip Patrick Sun (USA)
- P28 The future of mental wellness is treating the whole person – but does one size fit all?**  
Velimira Drummer (UK), Paula Reavey (UK), HE Dr Mohammed G A Al Maadheed (Qatar)
- P29 The flexible surgery ward – an interdisciplinary approach**  
Toke Laugesen (Denmark), Kristian Bille Nielsen (Denmark), Christian Michel Sorup (Denmark)
- P30 Medical equipment planning – the value of data**  
Sara Wennergren (Sweden)



- P31 Derivation and validation of an electronic medical record text-based tool to identify patients at high risk for frequent emergency department visits and high system costs among family practice rosters**  
Dr Howard Abrams (Canada), Dr David Frost (Canada)
- P32 Primary care clinical room – HTM-11-01 calculation methodology challenge and recommended alternative method**  
Richard Clark (UK)
- P33 Dynamic environments in healthcare**  
Michael Joyce (USA), Caroline DeWick (USA)
- P34 Maintaining patients' local access to services and preventing waiting-list backlogs during theatre downtimes with mobile healthcare facilities**  
Meg Henley (UK), Steve Peak (UK), Graham Alexander (UK)
- P35 Designing through limits for a familiar clinic**  
Iulia Udrea (Romania), Dr Anghel Adrian Udrea (Romania), Mara Oprea (Romania), Serban Udrea (Romania)
- P36 Building fast is not the issue**  
Philip Patrick Sun (USA)
- P37 Designing effective medical device management programmes to simultaneously improve care quality and drive commercial savings**  
Caroline Finlay (UK), Ruth Strickland (UK), Andrew Frost (UK)
- P38 Shoring up the foundations: can PPP healthcare schemes be better by design?**  
Burkhard Musselmann (UK), Dean Kaardal (Canada), Joel Martineau (UK)
- P39 The case for empathy-based design**  
Ian Sinclair (Canada)
- P40 Learning from Maggie's**  
Johan van der Zwart (Norway)
- P41 Integrating technology in patient care spaces: using scenario-based evaluations to compare design alternatives in virtual reality**  
Anjali Joseph (USA), Deborah Wingler (USA), Andrew Robb (USA), Sara Bayramzadeh (USA)
- P42 Blending art with information to improve the patient experience and reduce aggression in A&E**  
Peter Shenai (UK), Louisa Williams (UK), Martin Jones (UK)
- P43 The restorative impact of perceived open space**  
David A Navarrete (USA)
- P44 Machines that heal, machines that care?**  
Regina Kennedy (UK), Tas Hind (UK)
- P45 Critical care design: designing for the physical and psychological needs of patients**  
Simon Boundy (UK), Max Jonas (UK)
- P46 Integrated experiential solutions: commitment, measurement, continuous improvement, success**  
Brenda M Bush-Moline (USA), Herschel Block (USA)
- P47 How does the built environment support neurorehabilitation? Exploring the experiences of staff and patients following spinal cord and brain injury**  
Jacinta Colley (Australia), Heidi Zeeman (Australia), Elizabeth Kendall (Australia)
- P48 Using data and technology to enable efficient, patient-centred design**  
Kevin Cassidy (Canada), Damien Kenny (Australia)
- P49 Playful and soothing – a pattern of a paediatric facility**  
Cressida Toon (UK), Gary Toon (UK), Agata Zamasz (UK)
- P50 "I can see it but I can't identify it": floor patterns as a potential fall risk factor for the elderly and the cognitively impaired**  
Birgit Dietz (Germany), Janine Diehl Schmid (Germany)
- P51 Socio-cultural factors in diabetes management in South Korea**  
Young-ae Hahn (South Korea)
- P52 Promenade Barcelona referenced hospital: an example to improve the experience**  
Laia Isern Meix (Spain), Albert Vitaller Santiro (Spain)
- P53 Co-visualised sleep disturbances: design toolkit for improving sleep of older patients within hospital environment**  
Magda Matuszewska (Poland/UK)
- P54 Stimuli management: learning from neuroscience to solve the acoustic challenges in the healthcare workplace**  
Upali Nanda (USA), Whitney Austin Gray (USA)
- P55 Powerfully good: art, nature and placemaking in healthcare landscape design**  
Alison King (UK), Jim Buchanan (UK), Jennette Emery-Wallis (UK)
- P56 Happiness through design, helping children heal**  
Andrea Harman (UK)
- P57 Integrating art into clinical briefing and early design development to deliver child-friendly environments that enhance the patient and family experience**  
Crispin Walkling-Lea (UK), Vivienne Reiss (UK)
- P58 Modular – applicable for healthcare?**  
Philip Patrick Sun (USA)

# POSTER PRESENTATIONS

- P59 The therapeutic benefits of nature for healthcare wall art: Appleton's Prospect Refuge Theory of landscape preference**  
Ellen Vincent (USA)
- P60 User involvement in the Alder Centre design**  
David Powell (UK), David Houghton (UK)
- P61 How can I improve the environmental impact in existing retirement home buildings?**  
Rogelio Zubizarreta Jimenez (Spain), Manuel Gallardo Salazar (Spain), Salvador Rodriguez Perez (Spain), Rafael Ramos (Spain)
- P62 Improving local air quality on healthcare sites by mitigating the impacts of building-generated exhausts**  
David Hamlyn (UK), Aimee Smith (UK)
- P63 Belt up for the green bandwagon ride: sustainable strategies adopted by healthcare facilities in Singapore**  
Yvonne Lim Lai Yong (Singapore), Grace Tan (Singapore)
- P64 Could architectural planning enable hospitals to 'build in' the organic space needed to answer capacity challenges and enhance the performance of the healthcare estate?**  
Meg Henley (UK), Steven Peak (UK), Dave Clarke (UK)
- P65 WELL certification for healthcare projects – applicability and relevance**  
Eszter Gulacsy (UK), Michelle O'Neill (UK)
- P66 Community wellness for triple bottom-line sustainability**  
Mara Baum (USA)
- P67 Reconciling ecological stewardship with salutogenic-biophilic design in care facilities for the aged: the LEED conundrum**  
Stephen Verderber (Canada), Terri Peters (Canada)
- P68 Passivhaus proof of concept: reducing the cost of healthcare buildings**  
Jamie Andrews (UK), Harpriya Chaggar (UK), Peter Ranken (UK)
- P69 Beyond green – case study of Reading HealthPlex**  
Louis A Meilink, Jr (USA), Christina Grimes (USA)
- P70 Reimagining 'regenerative' healthcare for a circular economy**  
Anuradha Sabherwal (UK)



# THE PROGRAMME COMMITTEE



**Dan Wellings MSc Public Health, senior fellow – policy, King's Fund, UK**

Dan has expertise in patient and staff experience and public perceptions of UK and international health systems. Dan was previously head of insight and feedback at NHS England and research director at Ipsos MORI. He has a Master's in public health from the London School of Hygiene and Tropical Medicine.



**Peter Fröst PhD, professor in healthcare architecture, Chalmers University of Technology, Sweden**

An architect with 30 years' experience, Peter created the Centre for Healthcare Architecture at Chalmers University of Technology in Sweden, in 2010. He teaches at masters level and tutors PhD students. His research focuses on evidence-based co-design approaches in healthcare architecture.



**Diana Anderson MD, MArch, fellow, Perkins+Will, International**

Diana is a board-certified healthcare architect with the American College of Healthcare Architects (ACHA) and a board-certified physician through the American Board of Internal Medicine (ABIM). Diana combines educational and professional experience in medicine and architecture. She is co-founder of Clinicians for Design.



**Charlotte Ruben, partner, White Arkitekter, Sweden**

Charlotte began her career as an urban designer but has since specialised in healthcare design. Social commitment, wisdom and beauty are all drivers in her approach. As one of the lead architects behind the New Karolinska University Hospital her team have attracted international acclaim and recognition for innovation.



**Neil Halpern MD, chief of critical care medicine, Memorial Sloan Kettering Cancer Center, USA**

A professor of medicine and anesthesiology at Weill Cornell Medical College, Neil is also a member of the editorial board of Critical Care Medicine and CHEST. His specialties include ICU design innovation, advanced ICU informatics, and point-of-care testing.



**Marte Lauvsnes, project and development hospital planning manager, Sykehusbygg, Norway**

A trained intensive-care nurse, Marte is project and development hospital planning manager for Sykehusbygg, the Norwegian Hospital Construction Agency. Previously, she was hospital planner and research manager for the hospital planner group in SINTEF Health Research.



**Prof Noemi Bitterman PhD, academic director, Masters of Industrial Design (MID), Technion, Israel**

Prof Noemi Bitterman is the founder and chair of Masters in Industrial Design with focus on medical and social design at the Technion, Israel. Her academic background includes a PhD in Medical Sciences and a MSc in Industrial Design, including a post-doctoral fellowship at the University of Pennsylvania, USA.



**Sasha Karakusevic, NHS Horizons, UK**

Having started his career in maxillofacial surgery, Sasha has been involved in system design for more than 25 years. Having spent many years in Torbay and South Devon developing integrated care, he is now working with NHS Horizons to support large-scale transformation in the health sector. He is interested in using design as a tool for organisational development and transformation.



**Ganesh Suntharalingam MB BChir Medicine, honorary secretary, Intensive Care Society, UK**

Ganesh is an intensive care consultant with a specialist interest in leadership, service design and development. He is honorary secretary and forthcoming president-elect of the Intensive Care Society. Within his NHS trust he has been a design champion and design quality chair for a new-build PFI.



**John Cooper BA, Dip Arch Cantab ARB RIBA, director, John Cooper Architecture (JCA), UK**

John has been a principal in practice for 33 years. Having co-founded Avanti Architects in 1981, he set up JCA in 2009, and the practice has since designed hospitals in the UK, Ireland, South Africa, Iceland and Australia. He was chair of Architects for Health from 2009 to 2014.



**Sylvia Wyatt, MA AHSM, advisor, AgeUK IW, UK**

Sylvia is an advisor to AgeUK Isle of Wight and a governor of University Hospital Southampton NHS FT, having previously set up and run the NHS Confederation's Future Health Care Network. She also worked for the Scottish Government on shifting health and care towards early intervention and prevention.



**John Cole CBE, honorary professor, Queen's University Belfast, UK**

John is honorary professor at the School of Planning, Architecture and Civil Engineering, Queen's University Belfast. Also a procurement champion for RIBA, he was previously deputy secretary at the Department of Health, Social Services and Public Safety in Northern Ireland.



**Bas Molenaar, emeritus professor, Technical University Eindhoven, Netherlands**

Emeritus professor Bas Molenaar has taught Healthcare Architecture at Technical University Eindhoven for the past seven years. With his practice, EGM architects, he designed the OLVG in Amsterdam and the Tony Moleapaza Children's Hospital in Arequipa, Peru.

## Organising Committee

**Marc Sansom**, managing director, SALUS Global Knowledge Exchange, UK

**Christopher Shaw**, chairman, Architects for Health, UK

**Jonathan Erskine**, director, European Health Property Network, UK

**Nicola Howard**, commercial director, SALUS Global Knowledge Exchange, UK

**Claudia Bloom**, executive board, Architects for Health, UK

**Jim Chapman**, emeritus professor, Manchester School of Architecture, UK

**Stephanie Williamson**, deputy director of development, Great Ormond Street Hospital for Children NHS FT, UK

**Jane Willis**, director, Willis Newson, UK

# SPEAKERS



**Adam Robarts, architect, director, China**

Adam is co-founder and director of Robarts Spaces, with offices in Beijing and Shanghai. Over the past 20 years, the firm has completed more than 1000 built projects in China, with a focus on the design of meaningful environments for workplace, healthcare and education.

In 1995, Adam received the state-level 'Friendship Award'.



**Adeline Cohen, project co-ordinator, University Health Network, Canada**

Adeline is a senior fellow at UHN OpenLab, a design and innovation shop dedicated to transforming healthcare delivery. Her projects focus on creating platforms that integrate health and food systems by putting people and patients at their centre. She is currently applying service design thinking in planning an urban farm on hospital land.



**Agnes Orstadius, architect, White arkitekter, Sweden**

Agnes Orstadius holds a double Master's in Architecture and Structural Engineering from Chalmers University of Technology, Gothenburg, Sweden, and EPFL, Switzerland. She has experience in projects ranging from residential to

public, from small-scale to urban scale, and has previously worked in the United States and China.



**Alan Kondys, framework director, IHP; health sector director, Vinci, UK**

Alan has been involved in the delivery of healthcare facilities solutions in the public and private sector for more than 20 years. His focus lies in improvements in efficiency, the patient and staff environment, and healthcare outcomes. As a strong advocate of collaborative working, Alan works to share knowledge, innovation and best practice.



**Albert Vitaller I Santiró, chief architect, Albert Vitaller Arquitectura, Spain**

Albert is general director and founder of Vitaller Arquitectura, a firm with more than 20 years' experience in health architecture, developing projects all over the world. He is professor of the postgraduate course 'The 21st

century hospital', at Universitat Politècnica de Catalunya-BarcelonaTech, and a member of several organisations, including Architects for Health.



**Albert Wimmer, architect, Albert Wimmer ZT, Austria**

Albert first founded his architecture studio in 1977, and the practice Albert Wimmer ZT in 2003. His approach to design is characterised through social and ecological aspects but always with regard to town planning. His health projects include the new Vienna North Hospital,

the new hospital Südspidol in Luxembourg, and clinics for children and adolescents in Freiburg, Germany.



**Alison King, principal landscape architect, LUC, UK**

A chartered landscape architect, Alison is passionate about health and wellbeing, and sees landscape and public realm design as pivotal in today's health crisis. Alison is developing a monitoring and evaluation tool to measure the impact of LUC's designs on building healthy

communities. She has also worked with several London boroughs to design healthier play spaces.



**Andrea Möhn, director and architect, AM\_A, Andrea Möhn Architects (formerly Möhn + Bouman Architects), Netherlands**

Educated at the universities of Berlin, Stuttgart and Delft, Andrea graduated with a MA in 1994. In 1998, she founded Möhn + Bouman Architects with René Bouman. After 20

years of delivering bespoke, high-quality architecture, she took over the office's activities and now operates as AM\_A, Andrea Möhn Architects.



**Andrew Frost, director of technical services, MTS Health, UK**

Andrew is a chartered engineer and a registered clinical scientist. He joined MTS in 2006 and has successfully managed a variety of clinical and capital projects. Andrew is the MTS lead for all operational contracts and asset

surveys. He has a special interest and knowledge in theatre-related work and recently worked on the Midland Met PF2 project.



**Anjali Joseph, director, Center for Health Facilities Design and Testing, Clemson University, USA**

Anjali Joseph PhD is the Spartanburg Regional Health System endowed chair in architecture and health design, and director of Clemson University's Center for Health Facilities Design and Testing. Her research focuses on

multidisciplinary approaches to improving patient safety and quality in healthcare settings through tools and built environment solutions.



**Åsa Mouv, Mouv Design, Sweden**

An experience designer specialising in lighting, Åsa's work lies at the intersection of design, engineering and psychology. She holds an MSc in Computer Science Engineering from KTH, and a BA in Psychology from Stockholm University focusing on the effects of different

kinds of light on health and performance.



**Aziza Aachiche, senior advisor, Twynstra Gudde, Netherlands**

Aziza is a senior consultant in strategic planning for healthcare facilities and housing. In 2003, she joined Twynstra Gudde, specialising in healthcare planning and real estate strategies. She has worked on hospitals and

facilities for long-term care and assisted living, and has contributed to new strategies that provide healthy 'future proof' built environments.



**Belinda Boulton, director of transformation, Oxford University Hospitals NHS Foundation Trust, UK**

Belinda's team delivers service and quality improvement initiatives, capital projects that facilitate change through development of the built environment, and major service reconfiguration. She was previously divisional general

manager of cardiology, cardio-thoracic and vascular Services at OUH. She pioneered the clinical nurse specialist role in cardiac angiography.



**Bent Ottesen, medical director, Rigshospitalet, Denmark**

Bent Ottesen (MD, Prof) is medical chief for the new Children's Hospital Copenhagen, having served as director of the project group responsible for its planning from 2014 to 2017. Previously, Bent was centre director

at the Juliane Marie Centre for Women, Children and Reproduction at Rigshospitalet. He is trained as a surgeon in gynaecological oncology.



**Catarina Oom, architect, Pinearq, Spain**

Caterina is a Portuguese architect who collaborates on healthcare projects worldwide. She completed an Integrated Master's in Architecture in December 2016 at the Faculty of Architecture, University of Lisbon. Since

graduating, Catarina has been working at Pinearq, an architecture studio based in Barcelona, Spain.




**Christina Grimes, senior associate, healthcare planner, Ballinger, USA**

As an architect and healthcare planner, Christina has worked with many regional, community and academic medical centres to develop exemplary health facilities. She is adept at leading user group meetings to explore priorities for patients, staff and families, while integrating evidence-based design, technology integration, sustainability, and long-term flexibility.


**Clara Rius, architect and partner, Estudi PSP Arquitectura, Spain**

Clara is an architect and partner at Estudi PSP Architecture, with responsibility as healthcare director. Over the last 16 years, she has worked on a variety of architecture projects, from first concepts through to construction works. She also teaches at La Salle University (Barcelona) and organises workshops of hospital rooms.


**Coen van den Wijngaart, architect and international business development manager, Art & Build, Belgium**

Having graduated in architecture from Technical University of Delft, Coen gained experience in healthcare design at architectural firms in the Netherlands and Belgium. At Art & Build, he's jointly responsible for international business development, formulating strategies and visions in which innovation, health, wellbeing and sustainability are often central themes.


**Conor Ellis, head of health, partner, RLB, UK**

Conor's experience in healthcare delivery ranges from strategic planning to operational commissioning and efficiency reviews, covering primary, community and acute health projects. He has worked on more than 125 projects worldwide, from major UK projects, such as Central Manchester, Tunbridge Wells and UCL, to international schemes, including HMC Qatar and the Karolinska in Sweden.


**Craig Nelson, associate professor, University of Melbourne; head of unit nephrology / medical director, Healthlinks, Western Health, Australia**

In addition to his roles at Western Health, Craig is an honorary clinical associate professor with the Department of Medicine, Western Health, University of Melbourne. He has more than 18 years' experience in nephrology and general medicine at Royal Melbourne, Northern Health and Western Health.


**Cristiana Caira, lead architect and partner, White arkitekter, Sweden**

Cristiana is a partner at White arkitekter and a lecturer in Healthcare Architecture at Chalmers University of Technology. Her healthcare projects include the new Malta Mater Dei Hospital and the new University Hospital in South Tyrol, Italy. She is also responsible for the new Queen Silvia Children's Hospital in Gothenburg and the House of Psychiatrics in Borås, Sweden.


**David John Allison, director of graduate studies in architecture and health, Clemson University, USA**

David is an alumni distinguished professor and has served as director of graduate studies in architecture and health at Clemson University since 1990. A registered architect in South and North Carolina, Professor Allison is a founding member and fellow of the American College of Healthcare Architects and the Coalition for Health Environments Research.


**David Lewis, partner, NBBJ, UK**

David is the design leader for NBBJ's UK studio and specialises in complex healthcare projects. He is particularly interested in how positive planning and design can enhance a population's health and wellbeing. He strives for distinctive functional solutions that promote a better way of living and working.


**Deborah Wingler, president, Healing Design Integration, USA**

As well as president of Healing Design Integration, Deborah is a doctoral candidate in architecture and health at Clemson University. Her research focuses on improving the patient and staff experience in the ambulatory care environment. She holds a Master of Science and Design in Healthcare and Healing Environments, and a Bachelors of Science in Chemistry.


**Dr Arlene Wake, executive director, community integration, Allied Health and Service Planning, Western Health, Australia**

Dr Wake was a clinical assistant for an applied epidemiology project, before joining an extended care facility in Parkville as deputy director of medical services. In 1994, she was appointed to Alfred Hospital in Melbourne, and became Western Health's executive director of medical services in 2004.


**Dr Benjamin Bassin, MD, Department of Emergency Medicine, University of Michigan Medical School, USA**

Prior to joining the University of Michigan Medical School in 2009, Dr Bassin completed residency training at the University of Cincinnati. He focuses on Lean healthcare facility design, and using process improvement and workflow optimisation. He was an integral member of the planning, design and implementation team for the U-M Emergency Critical Care Center (EC3).


**Dr Bruno L Holthof, MD, chief executive, Oxford University Hospitals NHS Foundation Trust, UK**

Dr Bruno Holthof has been CEO at Oxford University Hospitals (OUH) since October 2015. Previously, he was CEO of the Antwerp Hospital Network from January 2004 until September 2015. He is a board member of both visualisation solutions company Barco and European care home operator Armonea. He holds an MBA from Harvard Business School.


**Dr Lynn D Martin, MD, medical director, continuous improvement and innovation, Seattle Children's, USA**

A professor of anaesthesiology and paediatrics (adjunct) at the University of Washington School of Medicine, Lynn received his MD from the same university and an MBA from the University of Tennessee. He has completed residencies in paediatrics and anaesthesiology, as well as fellowships in paediatric anaesthesiology and paediatric critical care medicine.


**Dr Thomas Best, consultant in intensive care medicine, anaesthesia, trauma and ECMO, King's College Hospital, UK**

For the past 11 years, Thomas has been a consultant in intensive care medicine. He is clinical lead for the design of the King's Critical Care Centre (KCCC), which focuses on 'body and mind', and delivering a more humanised environment. Thomas also runs the King's Intensive Care Follow-Up Clinic.


**Ed Tarratt, associate landscape architect, LUC, UK**

Ed is a chartered landscape architect with 11 years' experience working in sectors including health, education and infrastructure. His work includes the landscape design and delivery of Enniskillen Hospital, a £275m landmark health project in Enniskillen, Northern Ireland. Ed's current projects include a university campus design, housing projects, and work for the National Trust.

# SPEAKERS



**Elisabeth Ginsberg, innovation consultant, Rigshospitalet, Denmark**

Elisabeth is the innovation consultant in the project group responsible for the planning of the new Children's Hospital Copenhagen. Prior to joining the group, she worked as a manager at strategy consultancy ReD Associates,

where she specialised in healthcare strategy and innovation based on qualitative research with patients and healthcare professionals.



**Ellie Richardson, healthcare planner, Great Ormond Street Hospital, UK**

A healthcare planner at Great Ormond Street Hospital, Ellie has been involved in the briefing and design of the hospital trust's redevelopment programme, recently co-ordinating the client team for the Zayed Centre for Research into Rare

Disease in Children. An experienced senior nurse and service manager, Ellie is a former MARU student and Birkbeck graduate.



**Femke Feenstra, board architect, de Jong Gortemaker Algra Architects and Engineers, Netherlands**

Educated at the Royal Academy of Fine Arts in The Hague, and the Rotterdam Academy of Architecture, Femke has worked for de Jong Gortemaker Algra Architects and Engineers since 2001, first as an interior designer and later

as head of the architectural concept team. She is fascinated by sensory design and the study of sensory perception of space.



**Gavin Henderson, director, Stanton Williams, UK**

Gavin's current projects include leading the design of the Zayed Centre for Children's Rare Disease Research at Great Ormond Street Hospital in London. He has also worked on many high-profile projects, including the Stirling Prize-winning Sainsbury Laboratory for the

University of Cambridge. He is currently a design surgeon for Urban Design London.



**Geoff Braterman, head of strategic development, Sussex Community NHS Foundation Trust, UK**

Geoff's interest is in applying system thinking to improving the patient experience and staff's working lives. He has developed a number of clinically led service development plans and estates strategies, and has prepared business

cases for capital investment in new health estate. Geoff is also project manager for the redevelopment of the Brighton General Hospital.



**Jason Pearson, lead healthcare architecture, AECOM, UK and Ireland**

Jason has more than 12 years' experience in healthcare, from masterplanning and concept design, to identifying healthcare solutions that deliver high-quality, innovative clinical facilities. He leads the design team that delivered

the estate masterplan vision for Oxford University Hospitals and is now developing masterplans for each of the trust's three city sites.



**Jason Plant, programme director, Western HealthLinks, Western Health, Australia**

Jason began his healthcare career in intensive care and emergency nursing in Australia and the UK. He later completed an MBA and was appointed to several senior management positions at Austin Health, including surgery

manager and manager of oncology services. In 2014, Jason became Western Health's community services improvement lead.



**Justin Harris, architect, studio principal, IBI Group, UK**

Justin works primarily in healthcare and, specifically, the primary and community care sector. His strength lies in the design of complex multi-stakeholder projects, such as Bolton One, Gorton Community Hub, and Corby Health

and Wellbeing Centre. Justin is currently working with NHS England on the Healthy New Towns programme.



**Kaunchai Kakaew, lecturer, Kasetsart University, Thailand**

Kaunchai is a lecturer in Architecture and a member of the Built Environment for Health Research Unit at Kasetsart University in Bangkok. He has a Master's degree in Building Technology from Chulalongkorn University,

Thailand. His research focuses on: architectural design for wellbeing and health; prefabricated construction methods; and universal design.



**Laia Isern Meix, architect, partner and development manager, Vitaller Arquitectura, Spain**

A partner at Vitaller Arquitectura, Laia is an architecture graduate from the Escola Tècnica Superior d'Arquitectura de Barcelona. She completed her Master's in 'Organisation and management of hospital infrastructures' at the

CEU University, San Pablo. A BREEAM associate, she also teaches a postgraduate course in BIM management at CAATEEB in Barcelona.



**Linda van Beest, healthcare manager, Ipse de Bruggen, Netherlands**

After completing a BA in Youth Welfare, Linda worked at a large health institution for people with learning difficulties and mental disabilities. Her interest lies in caring for people with intellectual and behavioural challenges. Through her

work, she encourages opportunities for participation in activities that familiarise clients with everyday tasks, routines and 'normality'.



**Louis A Meilink, principal, Ballinger, USA**

Since joining Ballinger in 1987, Louis' design solutions have helped shape healthcare at academic medical centres, regional and community hospitals, and healthcare delivery systems. Louis is an author and speaker for organisations including the Center for Health

Design, the American Institute of Architects, the Association of American Medical Colleges, and Tradeline.



**Marco Da Col, architect and concept designer, Art & Build, Belgium**

Marco is an architectural engineer who joined Art & Build in 2008 as a concept designer. His portfolio includes leading the competition phase design for the new CHU of Nantes, France, and concept designer for Docks Bruxsel

shopping centre in Brussels, Belgium. He's now leading the CIRC-IARC project in Lyon, France following a competition win last year.



**Marie Berg, professor in healthcare sciences, specialising in reproductive and perinatal health, University of Gothenburg, Sweden**

Marie is a professor at the Institute of Health and Care Sciences, Sahlgrenska Academy, University of Gothenburg, Sweden. She combines this role with her work as a nurse-

midwife at Sahlgrenska University Hospital. Marie has a dual Master's in Nursing and Public Health Sciences, and a PhD in Medical Science.



**Martina Cardi, associate and architectural healthcare lead, Bryden Wood, UK**

Martina leads the architectural team for the Circle Birmingham Hospital and Rehabilitation project. She has mainly focused on refining the internal layout of the hospital by engaging with stakeholders and user groups from other

Circle hospitals. She is involved in healthcare projects for the Ministry of Justice and compliance checks for medical facilities in Europe and Asia.


**Matthew Ellams, capital projects team, King's College Hospital, London, UK**

A trained building surveyor, Matthew has spent the last 15 years in project and development management across a range of sectors, including healthcare. He recently joined King's College Hospital, London to lead its capital projects team. Matthew has been involved in managing the design and construction of the new critical care build for more than five years.


**Milena Stevanovic, doctoral candidate, Belgium**

Milena works as a doctoral candidate between the Catholic University of Leuven (KU Leuven) and VK Architects & Engineers, which specialises in healthcare projects. Her research aims at providing a quantitative sustainability assessment method for healthcare facilities.

Her expertise lies in focusing on an integrated assessment of economic, environmental and performance aspects.


**Moa Pauhson, WSP Sverige, Sweden**

Moa is a lighting designer who has worked on a number of light design assignments in hospital projects focusing on human wellbeing. She holds a degree from the Technical University of Jönköping in lighting design, and a bachelor's degree from Malmö University in visual communication with a focus on architecture.

communication with a focus on architecture.


**Nick Benn, director, BMJ Architects, UK**

Nick has been an architect for more than 20 years – 15 as a director with BMJ Architects. He is currently project director on various new-build, refurbishment and hybrid healthcare projects in London, including for clients Guy's & St Thomas' NHS Foundation Trust, King's

College Hospital NHS Foundation Trust and University College London Hospitals NHS Foundation Trust.


**Noemi Bitterman, academic director, Masters in Industrial Design (MID) with focus on medical and social design, Technion, Israel**

Prof Noemi Bitterman is the founder and chair of Masters in Industrial Design at Technion, Israel. She holds a PhD in Medical Sciences, a MSc in Industrial Design and a Post-

Doc at the Medical School, University of Pennsylvania. She is currently a visiting professor at the University of Venice.


**Patrick Lerou, senior advisor (business development) for healthcare experience solutions, EMEA, Philips, Netherlands**

Working across EMEA, Patrick provides strategic advice and implementable solutions for healthcare organisations to improve patient and staff experience. He graduated in

international business at Tilburg University in 2002, and he has worked in healthcare since 2014.


**Paul O'Neill, director, Bryden Wood, UK**

Paul is a board director of Bryden Wood, leading architectural and multidisciplinary design teams on projects at the forefront of innovative design. Paul is currently leading the architectural and engineering team for the Circle Birmingham Hospital and Rehabilitation

project. When complete early next year, the hospital will be the flagship building of the Edgbaston Medical Quarter.


**Rebecca McLaughlan, research fellow, Melbourne School of Design, University of Melbourne, Australia**

Dr Rebecca McLaughlan is a New Zealand architect, and a lecturer in architectural design at the University of Melbourne. Her work takes place in contemporary environments for oncology and palliative care, alongside

general paediatric healthcare. She is also interested in how pedagogy and research intersects with practice.


**Rhonda Kerr, director, economics, health services and planning, Guidelines and Economists Network International; principal health planner, Hames Sharley Architects and Planners, Australia**

With more than 35 years' experience in health economics, health service and facilities planning, Rhonda has been

involved in more than 40 hospital and health service development projects. She has also held senior roles with Australian governments.


**Richard Hannay, director of landscape Architecture, LUC, UK**

Richard has more than 30 years' experience as a landscape architect and was the masterplanner and landscape architect behind the South West Acute Hospital outside Enniskillen, in Northern Ireland. His work on this

project involved integrating extensive development into a sensitive context while maximising the benefits of the landscape to the healing process.


**Robert Rothnie, director, service planning and development, Western Health, Australia**

Robert is interested in how acute health services respond to changing demand through innovative models of care and new infrastructure. At Western Health, Robert is

responsible for the service planning and business case development for all major capital projects, and was part of the team that developed the Western HealthLinks model of care.


**Rosemary Jensen, director, Jenssen Architecture, UK**

Previously head of healthcare for Devereux Architects, Rosemary founded Jenssen Architecture in 2012. Through her firm and on behalf of Kier Health, Rosemary leads the

ProCure22 Efficiency and Productivity Programme Working Group on Pre- and Post-Occupancy Evaluations, Government Soft Landings, and Repeatable Rooms.


**Ryan Turnbull, founder and president, Eco-Ethnomics, Canada**

Ryan leads a social innovation consulting firm dedicated to building an ethical economy. He leads teams in gathering market intelligence, engaging key stakeholders, and co-

designing sustainable business models and systems-level interventions. He teaches Corporate Social Responsibility at Ryerson University and guest-lectures on Business Ethics at Durham College.


**Sheree Proposch, principal, HASSELL, Australia**

Sheree has 20-plus years' experience in healthcare design and strategy, working in Australia, UK and Singapore. She holds qualifications in architecture and business, and has been responsible for projects up to

AU\$1bn. Her projects include: Royal Children's Hospital, Parkville; the Victorian Comprehensive Cancer Centre Brief, Parkville; the Alfred Centre, Melbourne; and the Parkville Precinct Strategic Plan.


**Soranart Sinuraibhan, assistant professor, Kasetsart University, Thailand**

Soranart is assistant professor in architecture, and head of the Built Environment for Health Research Unit at Kasetsart University in Bangkok. Holding a PhD in Architecture, his

research interests include: architectural design for wellbeing and health; participatory design; informal spaces; and representation in everyday design, with focus on the built environment.



# SPEAKERS



**Steven Ware, partner, Art & Build, Belgium**

An architect and biologist, Steven's design work applies bio-adaptive principles to buildings and objects, notably the Groupe Chèque Dejeuner headquarters, near Paris, which won the international MIPIM award for Best Building Centre in 2011. Steven heads up Art & Build's think tank

AB\_Lab, which works with scientists, industrialists and research groups to integrate biomimetic concepts into construction practice.



**Stig Vesterager Gothelf, architect, 3XN Architects, Denmark**

Stig joined 3XN Architects in 2007 and is one of the driving forces behind the studio's competition department. His ability to run complex design projects has led to numerous competition wins. Stig was lead designer

in the competition for the new Children's Hospital Copenhagen – a project he is developing as the partner in charge.



**Zheng Rong, partner, Robarts Spaces, China**

A partner at Robarts Spaces since 2004, Zheng previously worked for seven years in China's largest state-owned construction group CSCEC (China State Construction Engineering Corporation). She is a trained architect and project manager, as well as a Grade 1 qualified nationally

registered construction manager. In 2010, she established Robarts' Healthcare and Education design department.



**Catherine Zeliotis, senior associate, healthcare architecture, Stantec, UK**

Catherine Zeliotis has worked as part of Stantec's team for more than 20 years and has extensive experience in cancer centre design. The lead clinical designer for the Cancer Centre at Guy's Hospital, Catherine has a special

interest in how design can integrate hi-tech medical equipment into efficient, humane and uplifting healthcare environments.



**Daniel Zikovitz, senior digital solutions architect, GE Healthcare, Canada**

With over 20 years' healthcare experience and knowledge in data analytics and software development, Daniel is a digital ambassador for GE Healthcare Canada, supporting businesses across the country. Daniel holds advanced

degrees in Biology and Computer Science, and has held teaching posts in the faculties of Biology, Psychology and Computer Science.



**David Houghton, project manager, Alder Hey Children's NHS Foundation Trust, UK**

David is a project manager in the Alder Hey in the Park team at Alder Hey Children's NHS Trust. He was the original driver for the new Alder Hey in the Park and oversaw all the early consultations with children, families

and the local community. David has 30 years' experience in NHS estates management.



**David Powell, development director, Alder Hey Children's NHS Foundation Trust, UK**

With more than 30 years' experience working in the NHS, David joined Alder Hey as development director in 2012, having previously held development director posts in Bristol and London. In his current role, David acts as

project director for the Alder Hey in the Park, as well as executive lead for innovation.



**Hieronimus Nickl, architect, Nickl & Partner Architekten, Germany**

Hieronimus joined Nickl & Partner Architekten in 2003 and has worked since 2005 as a project manager and team leader specialising in international projects, joining the firm's managing board in 2015. In 2008, he completed

an MBA in international hospital and healthcare management at the Frankfurt School of Finance and Management.



**Kate Copeland, chair, Australian Health Design Council; fellow and Queensland vice-president, Australasian College of Health Service Management, Australia**

Kate is executive director, corporate systems and infrastructure at Metro North Hospital and Health Service,

providing oversight to an infrastructure portfolio that includes five hospitals and multiple community health services.



**Paul Yeomans, director, Medical Architecture, UK**

Paul is a healthcare designer with more than 10 years' specialised experience. He is passionate about healthcare design, understanding that transforming a patient's environment can have a dramatic effect on their recovery and wellbeing. He has a proven track record of delivering

projects across the healthcare sector, most notably the RIBA award-winning Hopewood Park.



**Yvonne Lim, senior lead specialist, MOH Holdings, Singapore**

Yvonne is an architect who specialises in the design and procurement of healthcare facilities. Her experience covers medical health planning, strategic planning, and implementation of a wide mix of healthcare facility

developments. At MOH Holdings, she has been involved in developing the Facility Guidelines for Healthcare Infrastructure in Singapore.



**David Dunn, business development manager, Barco, UK**

David is business development manager for surgical healthcare at visualisation products company Barco, covering the UK and Ireland. Prior to joining Barco, David worked at a laparoscopic system integrator and provided

clinical training support. He also worked for many years in NHS clinical roles, moving up from a staff nurse to a ward manager.



**David Symons, UK director of sustainability, WSP, UK**

David leads Future Ready, WSP's global innovation and sustainability programme. Future Ready helps WSP's clients and staff understand the future clearly, and to create and deliver designs and strategies in support of

this future. David has an MBA with distinction from Warwick University and a first degree in physical sciences from Southampton University.



**Jon Huddy, president and senior healthcare consultant, Huddy HealthCare Solutions, USA**

Jon is president of Huddy HealthCare Solutions. Since earning a Master of Architecture in Health Facility Planning and Design, he has spent 30 years in hospital masterplanning and emergency department (ED)

consulting and design. He leads an ED consulting team that has worked on more than 300 emergency department projects across the world.



**Dr Eve Edelstein, co-founder, Clinicians for Design; research director, Perkins+Will Human Experience Lab, International**

With a doctorate in clinical neurophysiology, a master's in architecture, and a degree in anthropology, Eve translates clinical and neuroscientific studies into brain-based

principles to inform programming, planning and design. Co-founder of Clinicians for Design, she directs Perkins+Will's HxLab and Gadget Lab.



# VENUE & HOTEL ACCOMMODATION

## THE VENUE: A MODERNIST MASTERPIECE

Founded in 1518, the Royal College of Physician's current headquarters is a Grade 1 listed building in Regent's Park, designed by architect Sir Denys Lasdun and opened in 1964. Considered a modernist masterpiece, it is one of London's most important post-war buildings. In 1992, Sir Lasdun was awarded the Royal Institute of British Architects' Trustee Medal in recognition of his work at the RCP, considered to be "the best architecture of its time anywhere in the world".

Sir Lasdun won the competition to design the new headquarters in 1959. He was surprised at being asked to design for such a traditional body, given his modernist philosophy, and he made it clear that he would not create a classical-style building. Ultimately, he responded to the challenge with a skilful integration of centuries-old traditions and his own modernist vision. As an award-winning and highly versatile venue for conferences, meetings, banquets, training and outdoor events, the building has an atmosphere of space and light, with stylish, contemporary architecture and a selection of both old and new styles.

## DISCOUNTED ROOM RATES FOR DELEGATES

The Melia White House Hotel still preserves its architectural value as a prime example of late 1930s architecture, offering an eclectic style where contemporary and classic design meet.

After a recent refurbishment, this four-star hotel has 581 rooms, 112 apartments, nine meeting rooms, two restaurants and a bar with a terrace, a fitness centre, and an executive lounge. The hotel benefits from a prime central London location in Regent's Park, within close proximity of London's main attractions and a few minutes walk from the conference venue. The hotel is served by three underground stations – Warren Street, Great Portland Street and Regent's Park – and main train stations including King's Cross St Pancras and Euston Station.

## Melia White House Hotel

**Classic Single room with breakfast £170**

**Classic King room with breakfast £215 (double rate: £225)**

**Executive room with breakfast £260 (double rate: £270)**

Executive includes executive lounge access

All room rates are VAT inclusive.

On receipt of your registration, a website link and code will be provided to enable you to book your accommodation at the above rates. Please book early to avoid disappointment.



# STUDY TOURS



Participants in the European Healthcare Design 2018 Congress will get the opportunity to join three unique study tours featuring some of the UK's latest benchmark healthcare projects and architectural landmarks. Places on each tour are limited, so please register early to avoid disappointment.

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## **STUDY TOUR 1: LONDON** (Maximum 25 participants)

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### **New Cancer Centre at Guy's Hospital, private wing (pictured top left)**

The 5600 sqm private patients' wing in the New Cancer Centre at Guy's Hospital was part of the first wave of schemes to implement a new 'Design Quality Standards' report to guide the interior specifications. Sonnemann Toon Architects developed the standards to help HCA Healthcare UK ensure a high-quality patient-facing environment. A soothing palette of neutral finishes and textures was used to create a relaxed but upmarket impression. Good contrast between door architraves and walls, and the introduction of artwork help patients with visual impairment or dementia identify individual rooms. In open-plan treatment areas, privacy and dignity are improved thanks to joinery elements, which divide the space into separate bays.

### **Private outpatients and diagnostics facility, the Shard (pictured centre left)**

Sonnemann Toon Architects designed the fit-out of this private outpatients and diagnostics facility on the fourth to sixth floors of the world-renowned Shard. Services include MRI, CT, fluoroscopy, mammography, ultrasound and X-ray, consulting suites, physiotherapy, MDT, and cafe spaces. The facility benefits from having its own independent entrance on St Thomas' Street, which takes patients and visitors directly up to the fourth floor greet-and-registration area. The 78 consulting rooms enjoy stunning views of London's skyline, and the cafe seating area offers views of London Bridge station's concourse.

### **Maggie's Barts (pictured bottom left)**

The site of this Maggie's Centre is adjacent to the large courtyard of the historic St Bartholomew's Hospital in central London. The three-storey facility is more vertical than other Maggie's centres and is envisioned as a "vessel within a vessel". Its structure is a branching concrete frame, an inner layer comprising perforated bamboo, and an outer layer of matte white glass with coloured glass fragments recalling Medieval music notation. A public roof garden with flowering trees opens to a large room for yoga, tai chi and meetings. The building's interior character is shaped by a wash of coloured light over the floors and walls, changing by the time of day and season.

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## STUDY TOUR 2: CAMBRIDGE (Maximum 25 participants)

### Papworth Hospital, Cambridge (pictured top left)

Designed by HOK, the new Papworth Hospital is a state-of-the-art cardiothoracic facility on the Cambridge Biomedical Campus. The holistic design concept embraces the NHS Foundation Trust's ambition to thrive as a centre of excellence in cardiothoracic services for the East of England. The new 310-bed hospital is in a beautiful park-like setting, and will provide a comfortable, easy-to-navigate environment. Meeting places for patients, family and staff in the main atrium, gardens and restaurant will enhance communication and collaboration across the campus. The hospital layout creates separate zones for outpatient care, emergency services, and diagnostic and treatment functions. Each inpatient floor incorporates two nursing units. An elliptical double-corridor design results in a compact, accessible layout.

### Cambridge walking and architecture tour (pictured top right)

This 90-minute tour will cover the historic heart of this world-famous university city, including: the golden Corpus Clock; the Senate House and Old Schools; stunning colleges such as King's, Corpus Christi and Trinity; and the Old Cavendish Laboratory, home of world-changing scientific discoveries. Tour guides will explain features common to all 31 university colleges and that shape student life, as well as highlighting intriguing details, events and people specific to each one. Tour delegates will learn about student life and pranks, see well-known landmarks, and hear fascinating insights from more than 800 years of the university's history.



## STUDY TOUR 3: MANCHESTER (Maximum 15 participants)

### Manchester Proton Beam Therapy Centre (pictured top left)

Opening this year, the Christie NHS Foundation Trust Proton Beam Therapy Centre is the first of two new centres in England delivering high-energy proton beam therapy. From the outset, the design approach was to focus on patient experience. Various measures were applied to create a warm, inviting space, aimed at reducing fear and anxiety. Natural daylighting and landscaping were given high priority, as well as creating a sense of community among the building's users. Waiting spaces were located at external walls and courtyards, and the main waiting area was designed as a winter garden, integrating light, vegetation and social interactivity. The paediatric waiting and recovery areas were designed to cater to children and their families.

### Maggie's Manchester, Robert Parfett Building (pictured top centre)

Designed by Foster + Partners, Maggie's Manchester aims to create a domestic atmosphere in a garden setting, and is a short walk from the Christie Hospital. The roof of the single-storey building rises in the centre to create a mezzanine level, supported by timber beams, which act as natural partitions. A mix of spaces include intimate private niches, a library, exercise rooms, and places to share a cup of tea. The heart of the building is the kitchen and its large communal table. There is a focus throughout on natural light, greenery and garden views. A greenhouse provides a garden retreat for people to work with their hands and enjoy nature.

### Brooks Building, Manchester Metropolitan University (pictured top right)

As masterplanner and architect, Sheppard Robson led the design of Manchester Metropolitan University's new Birley Campus, set in the heart of Hulme. Its focal point is the Brooks Building, a new academic facility for the Faculty of Health, Psychology & Social Care and the Institute of Education. The building's key design themes are openness, informality and the dissolution of barriers between the community and higher education. The building is clad in glazed white ceramic and fritted glass panels, which change in density across the facade and lift to reveal the community-accessible spaces on the ground floor.



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