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EUROPEAN HEALTHCARE DESIGN

RESEARCH • POLICY • PRACTICE

COVID-19 GLOBAL SUMMIT

VIRTUAL

Organised by

AfH ARCHITECTS FOR HEALTH

SALUS GLOBAL KNOWLEDGE EXCHANGE

PRELIMINARY PROGRAMME

AT THE TIPPING POINT

DESIGNING FOR POPULATION AND PLANETARY HEALTH

Register at www.europeanhealthcaredesign.eu | info@europeanhealthcaredesign.eu

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TIMETABLE OF EVENTS

Please note that all times in the programme are British Summer Time (BST).

Tuesday 3 September 2020

Deadline for Early bird registration

Monday 14 September 2020

08.45–18.45: EHD2020 Congress & Exhibition (online only)

Tuesday 15 September 2020

08.00–18.40: EHD2020 Congress & Exhibition (online only)

Wednesday 16 September 2020

08.00–17.45: EHD2020 Congress & Exhibition (online only)

Thursday 17 September 2020

08.00–17.45: EHD2020 Congress & Exhibition (online only)

(incorporating the COVID-19 Global Healthcare Design Summit: A New Paradigm)

Friday 18 September 2020

08.00–16.30: EHD2020 Congress & Exhibition (online only)

(incorporating the COVID-19 Global Healthcare Design Summit: A New Paradigm)

16.45–17.30: EHD2020 Awards ceremony (online only)

(supported by lead sponsor: IHP)

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NHS Nightingale Hospital, London, ExCeL Centre, design adaptation led by BDP (image by Sludge B on Flickr).

AT THE TIPPING POINT

DESIGNING FOR POPULATION AND PLANETARY HEALTH

Healthcare is an active participant in the climate crisis and a major contributor to the environmental degradation of our planet. And there is emerging evidence that this destruction of nature has paved the way for the spread of deadly infectious disease such as COVID-19.

Our objective in 2020 is therefore clear: to construct a comprehensive narrative for sustainable design in the new context of a global public health emergency. Actors at all levels need to construct a comprehensive design narrative for the sustainable development of population-based health systems.

This year, owing to the pandemic, the 6th Annual European Healthcare Design 2020 Congress, Awards & Exhibition takes place over five days (14-18 September 2020) in an exclusively virtual setting. The disruption has been considerable but, as organisers, Architects for Health and SALUS Global Knowledge Exchange are excited by the prospect of extending access to world-leading research, practice and policy thinking in the healthcare design field to a global audience remotely at a time when it's needed more than ever before.

Healthcare is now the biggest 'industry' in the world and the single largest component in the economies of many developed countries. It's a voracious consumer of goods and services, producer of waste and generator of carbon. But a population-based health system has responsibilities to planetary health that extend beyond care delivery.

A fundamental transformation in service models is required. This carries significant risk because prescriptive and top-down changes to complex systems have unintentional consequences, which are often more disruptive than a reform's primary objectives.

Redesigning healthcare systems

Redesigning networks at a whole-system level is critical. Emissions originating directly from healthcare facilities make up 17 per cent of the sector's worldwide footprint, but 71 per cent of emissions is derived from the healthcare supply chain.[1] Services need to be redesigned to shift care upstream and place greater emphasis on primary care, prevention and self-management.

Where are we making better use of digital technologies, developing more integrated forms of care, removing duplication and redundancy from care pathways, empowering patients, and moving care closer to home? How do we increase the resilience of services while reducing their impact on the environment?

Digital connectivity provides a framework by which healthcare networks can inform and empower staff and patients, and move them efficiently around the system. We also need to understand what advances have been made in AI, pharma, robotics and algorithmic diagnosis.

The ability of population-based healthcare systems to align to the UN's Sustainable Development Goals and the Paris Agreement's global climate goals relies on a dynamic integration of health and social care with housing, planning, transport and social support. Healthcare projects will increasingly be part of wider mixed-use developments, which in turn will require mixed funding.

From disposable to circular

The age of the disposable building has passed. If we adopt a circular economic model then any healthcare building should be capable of alternative future use and fulfil a greater role in the public realm. And more extreme climates will require buildings designed to be climate adaptable, very low- or zero-carbon, and energy efficient. Active buildings can integrate renewable energy technologies for heat, power and transport as components of an active healthcare network integrated into the smart city. The future will also see investment in greening our cities, communities and health buildings.

Organised by:

ARCHITECTS FOR HEALTH

SALUS
GLOBAL KNOWLEDGE EXCHANGE

Healthcare design post COVID-19

The impact of COVID-19 on healthcare design will be felt for years. In some cases, the pandemic will accelerate trends already in play prior to the crisis, such as the need for infrastructure to be adaptable to changing needs, closer co-ordination of primary and secondary care, and delivery of health services via digital technology. In other ways, COVID-19 has raised new design issues. For example, designing in surge acute and critical care capacity, supporting the mental health of patients and health workers, the impact of social isolation and health inequalities, and resourcing staff with proper medical equipment and PPE.

European Healthcare Design 2020 features five days of streams, comprising nearly 60 sessions of talks, panel discussions and workshops. The first three days (14-16 September) will include two streams running alongside each other, as well as a third stream of poster presentations. On days four and five (17-18 September), there will also be three streams: one dedicated to the new COVID-19 Global Summit on Healthcare Design: A New Paradigm (the programme for which will be announced in August); one continuing the presentations from EHD2020; and the third devoted to the European Healthcare Design Awards 2020 shortlisted projects. Every day between 13.00 and 13.30, we will also be hosting an 'Innovation showcase' for exhibitors in the virtual 'Expo area'. And to conclude the congress, day five (18 September) will culminate with a virtual ceremony to present the EHD2020 Awards. **Please note that all times in the programme are British Summer Time (BST).**

For details about online registration and sponsorship opportunities, please go to page 20 of this programme.

[1] Health Care Without Harm and Arup. Health care's climate footprint. How the health sector contributes to the global climate crisis and opportunities for action; 2019. Accessed at https://noharm-global.org/documents/health-care-climate-footprint-report

JOHN COOPER
EHD2020 Programme Chair
Architects for Health

MARC SANSOM
Director
SALUS Global Knowledge Exchange

KEYNOTE SPEAKERS

DR JENNIFER DIXON
Chief executive, The Health Foundation, UK

DR HOWARD FRUMKIN
Professor emeritus, University of Washington School of Public Health, USA

LORD NIGEL CRISP
Independent crossbench member of the House of Lords; Co-chair, All-Party Parliamentary Group on Global Health, UK

DR NICK WATTS
Executive director, Lancet Countdown, UCL; Chair, NHS Net Zero, UK

SONIA ROSCHNIK
Global climate policy director, Health Care Without Harm, UK

TIMETABLE OF EVENTS

Tuesday 28 July 2020

Deadline for submission of abstracts

August 2020

Programme launched

Thursday 17 September 2020

08.00–17.45: COVID-19 Global Healthcare Design Summit: A New Paradigm (online only)

Friday 18 September 2020

08.00–16.30: COVID-19 Global Healthcare Design Summit: A New Paradigm (online only)

Please note that all times in the programme are British Summer Time (BST).

COVID-19 GLOBAL SUMMIT

A New Paradigm

In direct response to the pandemic, we are excited to announce the launch of the COVID-19 Global Healthcare Design Summit: A New Paradigm, fully integrated into the 6th European Healthcare Design Congress, which will now take place in a virtual setting on 14-18 September 2020.

In a matter of months, the emergence of a new human coronavirus has brought global society to a standstill, sent vibrant economies spiralling into freefall, overwhelmed and placed untold stress on health systems, and caused death, illness and despair to billions of people worldwide. As this existential shock and continuing threat to life reverberates through societies, international health systems are adapting and reshaping at speed. The direct and indirect impacts on physical and mental health will be felt for years to come.

The convergence of the dual threats of infectious disease and climate crisis requires actors at all levels of society to construct a comprehensive design narrative for the sustainable development of population-based health systems.

We are delighted to invite you to participate in the '***COVID-19 Global Healthcare Design Summit: A New Paradigm***' to learn from, share and contribute towards a truly global dialogue around the current and future impact of the pandemic on the way healthcare systems, services and infrastructure are designed.

Set to launch in August, following completion of the Call for Papers, as an integrated addition to the existing programme for European Healthcare Design, the principal themes will include:

- Strengthening health systems' resilience and preparedness;
- Joining up public health services with health and social care systems;
- Designing in surge acute and critical care capacity;
- The fourth wave: the population health impact of 'lockdown';
- Supporting healthcare workforce resilience and mental health;
- Sustainable hospital design: the architecture of adaptable infrastructure; and
- How the pandemic is accelerating innovation in digital health and technology.

DAY 1, STREAM 1: DESIGNING FOR POPULATION AND PLANETARY HEALTH

14 September 2020 Main stage (all times are British Summer Time; all sessions streamed exclusively online)

Supported by: Ryder

SESSION 1

Opening plenary: Designing for population and planetary health

Chair: John Cooper, Architects for Health, UK

08.45	**Chair's welcome** John Cooper, Programme chair, Architects for Health, UK
09.00	**Keynote: Rescuing planetary health: the role of the health sector** Dr Howard Frumkin, Professor emeritus, University of Washington School of Public Health, USA
09.15	**Keynote: Climate change and healthcare: from threat to opportunity** Dr Nick Watts, Executive director, Lancet Countdown, UCL; Chair, NHS Net Zero, UK
09.30	**Keynote: Healthcare's climate footprint** Sonia Roschnik, Global climate policy director, Health Care Without Harm, UK
09.45–10.15	**Panel discussion**

SESSION 2

Healthcare in harmony: designing with nature

Chair: Sue Morgan, Design Council, UK

11.30	**Carbon footprint of the health sector – a global assessment** Tamer Rabie, Lead health specialist, World Bank Group, USA Stephen Dorey, Senior environment and health specialist, World Bank Group, UK Caroline Anitha Devadason, Consultant, World Bank Group, USA Manfred Lenzen, Professor of Sustainability Research, University of Sydney, Australia
11.45	**Integrating green and blue infrastructure into healthcare investment** Luke Engleback, Chartered landscape architect, eco-urbanist, founder/director, Studio Engleback, UK
12.00	**Hospitals as superorganisms: how humans, plants, microbes, viruses and other selfish entities can shape the health of our cities** Steven Ware, Architect and partner, Art & Build, France
12.15–12.45	**Panel discussion**
13.00–13.30	**Innovation showcase – Expo area**

SESSION 3

Transforming health infrastructure

Chair: Richard Mann, AECOM, UK

14.45	**Delivering major projects and programmes – setting up for success** Kieran McDaid, Director, capital estates and major projects, Moorfields Eye Hospital, UK David Powell, Project director, Velindre Cancer Centre; Executive director, Alder Hey Children's NHS FT, UK; Peter Ward, Director, real estate development, King's College London, and Guy's and St Thomas' NHS FT, UK The UK Government's Health Infrastructure Plan has started a new long-overdue investment in the NHS across England. However, key questions remain unanswered. Panellists will share their aspirations on sustainable development and design, the impact of COVID-19, known and potential pitfalls, procurement strategies, and lessons learnt from previous projects that inform their decisions as they steer their major projects towards having a successful impact on patient care.
15.30	**A manifesto for the new UK hospital building programme** John Cooper, Programme chair, Architects for Health, UK
15.45–16.15	**Panel discussion**

SESSION 4

Sustainable development of major projects

Chair: Sunand Prasad, Penoyre & Prasad, UK

16.45	**Designing zero-carbon hospitals that heal** Andy Vernon, Director of healthcare; Eimear Moloney, Associate director, Hoare Lea, UK
17.00	**Feasibility study versus a masterplan – which project definition methodology works best?** Robin Guenther, Healthcare practice leader and firmwide sustainability principal; Anthony Mistretta, Healthcare operations and strategic planning executive; Jeffrey Dreesman, Western US healthcare practice leader, Perkins and Will, USA
17.15	**Achieving healthcare transformation in times of austerity** John Kelly, Director, ETL, UK Frank Kittredge, Director, HKS, USA
17.30	**Silicon Valley at the tipping point: Stanford Medicine Project Renewal** George Ruhl Tingwald MD, MArch, Director of medical planning, Stanford Health Care, USA Jill Sullivan MSN, Vice-president, Lucile Packard Children's Hospital at Stanford, USA Niraj Dangoria, Associate dean for facilities planning and management, Stanford University, USA
17.45–18.15	**Panel discussion**

DAY 1, STREAM 2: SCIENCE, TECHNOLOGY AND INNOVATION

14 September 2020 Breakout session (all times are British Summer Time; all sessions streamed exclusively online)

Supported by:

MOTT MACDONALD

SESSION 5

The future hospital

Chair: Richard Cantlay, Mott MacDonald, UK

10.30	**Integrated patient room 'healing' technology design – a stepwise approach** Merlijn Smits MSc, Design manager, R4heal, Radboud University Medical Center, Netherlands Harry van Goor MD, PhD, Professor of Surgical Education, Radboud University Medical Center, Netherlands
10.45	**Conceptualisations of AI smart hospitals by experts in teamwork** Johan van der Zwart, Assistant professor, Architecture & Health, NTNU, University of Science and Technology, Norway
11.00	**Bringing proton-beam therapy to UK patients** John McIntosh, General manager, Rutherford Estates, UK Kevin Turnbull, Director, JDDK Architects, UK Mura Mullan, Director, JDDK Architects, UK
11.15	**Advancing technology versus architectural and environmental design** Emma Smyth, Architect, HDS Architects, UK Richard Lavine, Director, HDS Architects, UK
11.30–12.00	**Panel discussion**

SESSION 6

Neuroscience and navigation

Chair: Eve Edelstein, Clinicians for Design, USA

13.45	**Evaluating and optimising wayfinding in healthcare settings through biometric data and virtual-response testing** Saleh Kalantari, Assistant professor, Cornell University, USA Robin Snell, Principal, Parkin Architects, Canada
14.00	**Empowerment through digital wayfinding solutions** Steinar Valade-Amland, Head of strategy and business development, Triagonal Information Design, Denmark Peter Donner, Partner, director, Triagonal Information Design, Denmark
14.15	**Human-responsive healthcare buildings and neuroscience** Davide Ruzzon, Director, Lombardini22 Milan; NAAD Master, IUAV University of Venice, Italy
14.30–15.00	**Panel discussion**

SESSION 7

Designing for clinical research

Chair: Christine Chadwick, Cannon Design, Canada

15.30	**Human-centred design for tomorrow's healing environments** Clark Miller, Managing principal; Dr Eve Edelstein, Director of Human Experience Lab; Emily Bateman, Project manager, Perkins and Will, USA
15.45	**Clinical research facilities – facilitating the realisation of population health** Niraj Dangoria, Associate dean, Stanford University School of Medicine, USA
16.00	**Reimagining clinical and research environments as a shared urban experience** Gavin Henderson, Principal director, Stanton Williams Architects, UK
16.15–16.45	**Panel discussion**

SESSION 8

Future visions: Surgical, emergency and ward design

Chair: Hank Adams, HDR, USA

17.15	**The surgery unit of the future: an experimental prototype** Ana Lucia Morales Tarazone, Architect, LAHB, Spain
17.25	**Clinical scenario-driven approach of design and technology at the normal ward** Harry van Goor, Professor of Surgery and Innovation, Radboud University Medical Centre; Geert Visker, Digital coach, service designer, Full2Inspire, Netherlands
17.35	**What do care partners find important in a surgery centre waiting room?** Anjali Joseph, Professor, Endowed chair, Center for Health Facilities Design and Testing; Roxana Jafarifiroozabadi and Rutali Joshi, Graduate assistants, doctoral candidates, Clemson University, USA; Deborah Wingler, Vice-president, health research lead, HKS Architects, USA
17.45	**Designing the physician workspace to support handovers in the ED** Rutali Joshi, Doctoral candidate; Anjali Joseph, Endowed chair, Center for Health Facilities Design and Testing, Clemson University, USA; Ronald Pirrallo, Vice-chair for academic affairs, Prisma Health, USA; David Allison, Director of graduate studies, Clemson University, USA
17.55	**Novel design research methodologies for understanding space** Bella Shah Nagappan, Resident physician; Ben Bassin, Assistant professor, Emergency Medicine; Cemal Sozener, Associate professor, Emergency Medicine, University of Michigan, USA
18.05	**Renovating for planetary health: reducing the impact of surgical services on the climate** Shelly Fleck, Director, surgical services; Dr Kelly Lefaivre and Dr Peter Gooderham, Surgeon leads, Vancouver General Hospital, Canada; Knut Boeck, Principal, DYS Architecture, Canada
18.15–18.45	**Panel discussion**

DAY 1, STREAM 3: POSTER PRESENTATIONS

14 September 2020 (all times are British Summer Time; all sessions streamed exclusively online)

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SESSION 9

Healthcare at home and in the community

Chair: Femke Feenstra, Gortemaker Algra Feenstra Architects, Netherlands

14.30	**Delivering chronic condition preventive and self-management support interventions through physiology-centred healthcare design in public spaces: community chronic care capsules** Eva Hernandez-Garcia, Architect MSc, University of Barcelona, Spain
14.40	**A safe home is still a home** Diane Chandler, Lead occupational therapist, Sussex Partnership Foundation NHS Trust, UK Audrey Yong, Senior lecturer, occupational therapy, Brighton University, UK
14.50	**CU@Home – proactively managing safe transitions to home after joint replacement surgery** Anjali Joseph, Professor, Endowed chair, Director, Center for Health Facilities Design and Testing, Clemson University, USA Sahar Mihandoust, Research Assistant Professor, Architecture & Health, Clemson University, USA Lisa Hoskins, Graduate assistant, Architecture & Health, Clemson University, USA
15.00–15.30	**Panel discussion**

SESSION 10

Design quality: Culture and communication

Chair: Gary Hamilton, WSP, USA

16.00	**Hospitals should make you feel better** Ivan Harbour, Senior partner, Rogers Stirk Harbour + Partners, UK Steve Martin, Associate partner, Rogers Stirk Harbour + Partners, UK
16.10	**Designing for cultural sustainability: development of a toolkit to support the design of culturally sustainable healthcare environments** Sophie Crocker, Medical planner and designer researcher, HKS Architects, UK Deborah Wingler, Health research director, HKS Architects, UK Jane Ho, Healthcare design director, HKS Architects, UK Jason Schroer, Executive practice director, HKS Architects, UK
16.20	**Health in the built environment – new systems to bridge architecture and medicine** Timothy D Rossi, Founder, Architectural Medicine, USA
16.30	**How we can use graphic communication sustainably to aid the user journey within a UK hospital** Alex Harrington, Graphic designer and researcher, UK
16.40–17.10	**Panel discussion**

DAY 2, STREAM 4: POPULATION-BASED HEALTH SYSTEMS

15 September 2020 Main stage (all times are British Summer Time; all sessions streamed exclusively online)

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HLM Architects LLEWELYN DAVIES

SESSION 11

The health gap: building a healthy and health-creating society

Chair: Chris Liddle, HLM, UK

09.00	**Keynote: Health is made at home, hospitals are for repairs** Lord Nigel Crisp, Independent crossbench member of the House of Lords; Co-chair, All-Party Parliamentary Group on Global Health, UK
09.20	**Keynote: The stalling of life expectancy and the increasing health gap: what to do?** Jennifer Dixon, Chief executive, The Health Foundation, UK
09.40–10.10	**Panel discussion**

SESSION 12

Population health in practice

Chair: Paul Bell, Ryder, UK

11.15	**Healthcare in placemaking: putting population health needs at the heart of regeneration** Helen Revitt, Regional director, AHR, UK Alison Evans, Regional director, AHR, UK
11.30	**Reshaping primary care** Jason Pearson, Director of healthcare and science architecture, AECOM, UK Jack Dunmore, Strategic estates manager, NHS WEL CCGs – Newham, Tower Hamlets and Waltham Forest, UK
11.45	**How design can reduce aggressive behaviours of patients. Experiences from primary care in the Spanish health system** Angela Elisabeth Müller, Architect and consultant, Parra-Müller, Spain
12.00	**Redefining the shape and form of health systems – the new Healthcare Centre Holstebro, Denmark** Birgitte Ernst, Partner, Arkitema Architects, Denmark
12.15–12.45	**Panel discussion**
13.00–13.30	**Innovation showcase – Expo area**

SESSION 13

Integrating care in the community

Chair: John Cooper, Architects for Health, UK

15.00	**Regenerative design is a trigger for developing healthy communities: a case study of the University Hospital Tübingen, Germany** Tatiana Epimakhova, Architect, Heinle, Wischer und Partner, Freie Architekten, Germany Edzard Schultz, Partner, Heinle, Wischer und Partner Freie Architekten, Germany
15.15	**Great Ormond Street Hospital as a part of the city – a health-led approach to public realm** Magali Thomson, Project lead for placemaking, Great Ormond Street Hospital NHS FT, UK
15.30	**Redesigning systems of health: human-centred, participatory and systems-minded approaches to co-designing community health initiatives** Mikaela Patrick, Research associate, STEMA, UK Geordan Shannon, Research fellow, UCL/STEMA, UK Nikita Simpson, Project officer, SHM Foundation; PhD candidate, London School of Economics, UK Tatiana Salisbury, Research fellow, King's College London, UK
15.45	**Adapting interactive web-based healthcare services (e-health) for elderly population** Noemi Bitterman, Chair, medical design, Technion, Israel
16.00–16.30	**Panel discussion**

SESSION 14

The hospital in the city

Chair: Kevin Cassidy, WSP, Canada

17.00	**Royal St: better health and wellbeing for people through an evidence-based, outcome-focused approach** Katie Wood, Director; Angela Crowther, Associate, Arup, UK
17.15	**Focusing on population health through a living design framework** Basak Alkan, Senior urban designer, senior associate, Perkins and Will, USA
17.30	**The patient's medical home – theory into practice: a frontline experience** Colleen McKinstry, Healthcare consultant, principal/co-owner; Stacey Strilchuk, Healthcare consultant, principal/co-owner, 143 HealthCARE Consulting, Canada
17.45–18.15	**Panel discussion**

DAY 2, STREAM 5: ART, ARCHITECTURE AND MEDICINE

15 September 2020 Breakout session (all times are British Summer Time; all sessions streamed exclusively online)

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SESSION 15

Multi-disciplinary and participatory design

Chair: David Martin, Stantec, UK

08.00	**Tall hospitals** Regina Kennedy, Associate; Tina Nolan, Director, ETL, UK; Paul Johnson, Director, BDP, UK; Bob Klaber, Consultant general paediatrician, Imperial College Healthcare NHS Trust, UK
08.15	**Empowering patients with self-serving logistics** Thomas Strecker Leitner, Market director, hospital logistics – Nordics and UK, Ramboll Denmark, Denmark Kristian Bille, Logistics consultant, Capital region of Denmark, Denmark
08.30	**Shaping sustainable health infrastructure through participatory design** Jane Carthey, Doctoral student, Queensland University of Technology, Australia
08.45–09.15	**Panel discussion**

SESSION 16

Art & Design Studio Workshop

Facilitators: Louisa Williams, Director, Art in Site, UK
Martin Jones, Director, Art in Site, UK
Peter Shenai, Creative strategist, Art in Site, UK

Organised by: Art in Site

10.30–12.30	Collaborating with a collective of partners, art studio Art in Site will curate a programme of activities and interactive exhibits, showcasing innovative approaches to art and design for healthcare environments. This session will provide a counterpoint to the lecture format, offering attendees a chance to get creative. The programme will focus on the practicalities of successful art and design in healthcare projects: What kinds of processes work well for which healthcare context? How can healthcare practitioners get such projects started? Which kinds of artists and designers are suited to which healthcare context, and why? What are some of the best formats for running arts and interiors engagement? How can innovation in materials and techniques help art seize on the opportunities of the healthcare space, rather than being limited by compliancy standards?

SESSION 17

Designing for critical care and surgery

Chair: Ganesh Suntharalingham, Intensive Care Society, UK

14.30	**Return to the fishbowl: increasing visibility in the ICU** D Kirk Hamilton, Julie & Craig Beale Endowed Professor of Health Facility Design, Texas A&M University, USA Sandra M Swoboda, Research programme co-ordinator, Schools of Medicine & Nursing, Johns Hopkins University, USA Charles D Cadenhead, Senior principal and senior medical planner, EYP Architecture & Engineering, USA
14.45	**Translating research into practice: a web-based 'Safe Operating Room design' tool to support evidence-based design decision-making** Anjali Joseph, Professor, Endowed chair, Director, Center for Health Facilities Design and Testing, Clemson University, USA Deborah Wingler, Vice-president, healthcare research lead, HKS Architects, USA Herminia Machry, Graduate assistant, Clemson University, USA
15.00	**Present-day challenges of integration and control for the operating theatres of the future** Adrian Hall, Chief operating officer, Brandon Medical Co, UK
15.15–15.45	**Panel discussion**

SESSION 18

Research-based changes for COVID-19 healthcare facilities

Organised by: CLINICIANS for DESIGN CARE + EDUCATE + INSPIRE; building blocks for clinicians

Facilitators: Eve Edelstein, Clinicians for Design, USA; **Dr Diana Anderson,** Clinicians for Design, USA**; Dr Anita Honkanen,** Stanford University, USA
Panel: Dr Ruth Fanning, Stanford University, California, USA**; Dr Emma Stockton,** Great Ormond Street Hospital, UK; **Paul Greig,** University of Oxford, UK; **Adrian Upex,** Bristol Royal Hospital for Children, UK; **George Tingwald,** Stanford University, USA

16.15–18.00	**Clinicians for Design Front-line Provider Workshop** This interactive workshop is for clinicians, designers and estates professionals who have worked at the front line of COVID-19 care, or have planned or developing innovative means to design safer healthcare facilities. Participants will discuss the challenges faced, the solutions developed, and the issues remaining to prepare for the next surge of COVID-19, or next health crisis. Presentations by doctors specialising in intensive care, emergency medicine, and anaesthesia, among others, will be followed by active discussion facilitated by members of the AIA COVID-19 Front Line Task Force and others around the world who developed new guidance for facility design that considers the latest evidence regarding how components of design influence transmission risk for providers and patients.

DAY 2, STREAM 6: POSTER PRESENTATIONS

15 September 2020 (all times are British Summer Time; all sessions streamed exclusively online)

Supported by: AECOM

SESSION 19

Designing for different generations

Chair: Noemi Bitterman, Technion, Israel

10.45	**Research on approaches to multigenerational healthcare design** Elif Özgen, Research assistant, Hacettepe Universit, Turkey Imran Kavaz Altun, Research assistant, Hacettepe University, Turkey Bilge Sayil Onaran, Professor, Hacettepe University, Turkey
10.55	**Come to your senses: dementia-sensitive design saves care time** Dr Birgit Dietz, CEO, Bavarian Institute of Architecture for the Elderly and Cognitively Impaired, Germany
11.05	**Wayfinding way beyond the point of care delivery** Steinar Valade-Amland, Head of strategy and business development, Triagonal Information Design, Denmark Peter Donner, Partner, Director, Triagonal Information Design, Denmark Louise H Kristiansen, Research assistant, Triagonal Information Design, Denmark
11.15–11.45	**Panel discussion**

SESSION 20

Designing for children

Chair: Davide Ruzzon, TUNED, Lombardini22, Italy

13.45	**Designing paediatric networks – It's not child's play** Deirdre Foley-Woods, Director, ETL, UK Alice Dowling, Consultant, ETL, UK
13.55	**Inclusive design thinking – designing from small to big** Astrid Piber, Partner, senior architect, UNStudio, Netherlands Erik van Kuijk, Creative director, MMEK', Netherlands Martijn Meeske, Business director, MMEK', Netherlands Lars van Hoften, Architect, UNStudio, Netherlands
14.05	**The impact of single-family room design on family engagement in the neonatal ICU** Herminia Machry, Graduate research assistant, Clemson University, USA Anjali Joseph, Professor, Clemson University, USA
14.15–14.45	**Panel discussion**

SESSION 21

Technology and the future of care

Chair: John Kelly, ETL, UK

15.30	**Shaping the future of care** David Lewis, Partner, NBBJ, UK
15.40	**CAR-T cell therapy versus architectural design – a retrofit approach** Emma Smyth, Architect, HDS Architects, UK
15.50	**General collective intelligence as a paradigm in healthcare** Andy E Williams, Executive director, Nobeah Foundation, USA
16.00	**Cognitive design: adaptive biophilia for older hospitals** David Navarrete, Director, research initiatives, Sky Factory, USA
16.10–16.40	**Panel discussion**

SESSION 22

System design to improve population health

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

17.30	**Healthy data – leveraging healthcare information to design a healthier society** Nolan Rome, US director of healthcare, WSP, USA Kevin Cassidy, Canada director of healthcare, WSP, USA
17.40	**Circulating health information towards health action: a design approach to translating clinical guidelines for population impact** Nita Lakhani, Student, Ontario College of Art and Design, Canada Peter Jones, Associate professor, Ontario College of Art and Design, Canada Chris Rice, Student, Ontario College of Art and Design, Canada
17.50	**Promoting community advancement and education** James Crispino, Global practice area leader, Gensler, USA
18.00	**Design's ability to transform and deliver population health** Louis A Meilink Jr, Senior principal, Ballinger, USA Christina Grimes, Associate principal and director of healthcare planning, Ballinger, USA
18.10–18.40	**Panel discussion**

DAY 3, STREAM 7: CLIMATE-SMART HEALTHCARE

16 September 2020 Main stage (all times are British Summer Time; all sessions streamed exclusively online)

Supported by:

SESSION 23

Designing for climate adaptation

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

09.00	**Adapting rural health services in Victoria, Australia** Allen Kong, Director, Allen Kong Architect, Australia Peter Birkett, CEO, Hesse Rural Health Services, Australia Andrea Dunlop, Manager, workforce and service development, Hesse Rural Health Services, Australia
09.15	**Towards a carbon-positive healthcare infrastructure** Kelly Alvarez Doran, Senior principal, MASS Design Group, UK Amie Shao, Principal, MASS Design Group, Rwanda James Kitchin, Engineer, MASS Design Group, Rwanda John Maher, Architect, MASS Design Group, USA
09.30	**How to reduce whole-life carbon in a new London development** Helen Hough, Associate, Bryden Wood, UK Martina Cardi, Associate, Bryden Wood, UK
09.45	**The adaptive hospital** Dale Sinclair, Director – architecture, technical practice, AECOM, UK Lindsey Sokolich, Deputy director of strategic development, Moorfields Eye Hospital and UCL Institute of Ophthalmology, UK
10.00–10.30	**Panel discussion**

SESSION 24

Healthcare's climate footprint

Chairs: Katie Wood, Arup, UK
Kristian Steele, Arup, UK

11.00–12.30	**DESIGN WORKSHOP: Healthcare's climate footprint: how the health sector contributes to the global climate crisis and opportunities for action** The healthcare sector, which sits on the front lines as a first responder to climate change, also makes a significant contribution to the problem. This workshop will explore how healthcare can respond to the climate emergency not only by treating those affected by the climate crisis and its causes but also by practising primary prevention, radically reducing its own emissions.
13.00–13.30	**Innovation showcase – Expo area**

SESSION 25

Resilient design in the circular economy

Chair: Alan Kondys, IHP and Vinci, UK

14.30	**Resilient healthcare design** Gary Hamilton, Senior vice-president, WSP, USA
14.45	**A field guide to safe and circular building materials** Jean Hansen, Sustainable principal, senior professional associate, HDR, USA Wendy Vittori, Executive director, Health Product Declaration Collaborative, USA
15.00	**Wood in healthcare buildings, sustainable and healthy – theory and practice: Psychiatric Clinic, Södra Älvsborgs Sjukhus, Borås, Sweden** Magnus Bunner, Architect, White Arkitekter, Sweden Jens Axelsson, Architect, White Arkitekter, Sweden Stefan Lundin, PhD student, Chalmers University of Technology, Sweden
15.15–15.45	**Panel discussion**

SESSION 26

How can the healthcare industry support cities in their transformation to decarbonisation?

Organised by:

Panel: Suzanne MacCormick, WSP, UK
Gary Hamilton, WSP, USA

16.15–17.45	**WORKSHOP** Cities consume 78 per cent of the world's energy and produce more than 60 per cent of its greenhouse gas (GHG) emissions, while the healthcare industry contributes to 4 per cent of global GHG emissions. This workshop will look at the impact of the healthcare industry on global cities' efforts to decarbonise by minimising energy use and embodied carbon. The session will review the opportunities and challenges faced by the healthcare industry in this path towards decarbonisation within the broader theme of environmental sustainability in the built environment.

DAY 3, STREAM 8: SUSTAINABLE HEALTH INVESTMENT

16 September 2020 Breakout session (all times are British Summer Time; all sessions streamed exclusively online)

Supported by: ARCHUS ADVISORY • INVESTMENT • DEVELOPMENT

SESSION 27

Transformation, investment and guidance

Chair: Chris Shaw, Architects for Health, UK

08.00	**Health service sustainability and investment prioritisation framework** Matthew Holmes, Global healthcare director, Jacobs, Australia Annabel Frazer, Director, clinical health planner, Jacobs, Australia Kerry Armstrong, Director of healthcare, Jacobs, Australia
08.15	**Better structured projects – a case study from building a model for healthcare delivery across a country** Conor Ellis, Head of business planning and strategy, Archus, UK Nicola Clemo, Associate partner, Rider Levett Bucknall, UK
08.30	**When integrated project delivery is not enough and changes are needed: some examples from inpatient wards with 100-per-cent single-occupancy rooms** Liesbeth van Heel, Senior policy advisor and PhD student, Erasmus University Medical Centre, Netherlands
08.45	**Sixty years of research and guidance: Health Building Notes and Technical Memoranda** Susan Holding, Associate director, Archus, UK Richard Darch, Chief executive, Archus, UK
09.00–09.30	**Panel discussion**

SESSION 28

Fit for the future? Forty new hospitals

Sponsored by: arjo

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

10.00–11.30	**The Health Infrastructure Plan (HIP) Programme** Nigel Edwards, Chief executive, Nuffield Trust, UK Simon Corben, Director and head of profession, NHS Estates, NHS England and NHS Improvement, UK *(Invited)* Richard Darch, Chief executive, Archus, UK John Cooper, Programme chair, Architects for Health, UK

SESSION 29

Driving a greener NHS

Organised by: NHS Property Services

Panel: Cameron Hawkins, NHSPS, UK
Alison Davies, NHSPS, UK
Simon Taylor, NHSPS, UK

14.00–15.30	The NHS is the UK's largest public-sector emitter of carbon emissions and has a duty to respond to government targets, including being net carbon-zero by 2050. NHS England has recently launched its 'Greener NHS' campaign, and NHS Property Services is committed to making its properties more environmentally friendly. This ranges from the way they build, refurbish and update buildings, increase space utilisation, and encourage best practice among its tenants and employees. In this workshop, speakers will discuss the challenges in transforming the estate, progress to date, and future priorities.

SESSION 30

Professional education to build workforce capacity in healthcare design and planning

Organised by: UCL THE BARTLETT REAL ESTATE INSTITUTE

Chair: Evangelia Chrysikou, The Bartlett Real Estate Institute, UK

16.00–17.30	Huge population growth and associated rise in life expectancy over the last 150 years, alongside the development of new drugs and medical technologies, greater public awareness of the value of health and the emergence of chronic lifestyle diseases, had already established healthcare as the world's largest industry before the COVID-19 pandemic. With this new challenge stimulating even greater investment into healthcare systems and infrastructure, the need to build workforce capacity in healthcare planning and design is an urgent requirement for governments and industry all over the world. This workshop, delivered by the course directors of The Bartlett Real Estate Institute's (BREI) Healthcare Facilities MSc provides, will demonstrate the value of an integrated and interdisciplinary programme related to healthcare facilities in the widest sense, providing attendees the opportunity to learn how professional education can help build industry capacity to support all aspects of the process of creating, renewing or managing healthcare facilities, including: development and capital projects; building solutions and systems; modern economics and finance for real estate; forms of value for real estate; health systems, services and technologies.

SESSION 31

Designing new models of care

Chair: Jonathan Wilson, GB Partnerships, UK

11.30	**Redefining primary care** Chris Thornton, Healthcare sector lead, ADP, UK Dr Edward Williams, Senior partner, Ascot Medical Practice, UK Duncan Kerr, CEO, Wave Leisure, UK
11.40	**Lessons learnt from the implementation of new care models in the North East** Gregory Maniatopoulos, Senior research associate, Newcastle University, UK David J Hunter, Professor of Health Policy and Management, Newcastle University, UK Jonathan Erskine, Executive director, European Health Property Network / Honorary fellow, Durham University, UK Bob Hudson, Visiting professor, Kent University, UK
11.50	**No place like home – an innovation hub for outpatient care** John Kelly, Director, ETL, UK Tina Nolan, Director, ETL, UK Jack Goodall, Consultant, ETL, UK
12.00–12.30	**Panel discussion**

SESSION 32

Lean and productive healthcare design

Chair: Bill Hercules, WJH Health, USA

13.45	**Production success** Li Liljeberg, Architect, LINK arkitektur, Sweden Anna Rolf, Architect, LINK arkitektur, Sweden
13.55	**ABW tool: how to ease change resistance in an activity-based working environment when planning the hospital** Teemu Kiiveri, Processes expert, Kanta-Häme Hospital District, Finland Paula Turunen, Chief physician of the project, Kanta-Häme Hospital District, Finland
14.05	**Asset light / experience heavy** Scot Latimer, Health and wellness leader, strategy director, Gensler, USA Randy Guillot, Health and wellness leader, design director, principal, Gensler, USA
14.15	**Physician engagement and perspective in the Lean facility design process** Benjamin Bassin MD, EDAC, Director of critical care operations, associate service chief, attending physician, University of Michigan Health System, USA Cemal Sozener MD, MEng, EDAC, Medical director, Comprehensive Stroke Center; Attending physician, University of Michigan Health System, USA Diana Anderson MD, MArch, Healthcare architect, internist, fellow in Geriatric Medicine, University of California – San Francisco, USA Juliet Rogers PhD, MPH, President, Blue Cottage of CannonDesign, Blue Cottage Consulting, USA
14.25–14.55	**Panel discussion**

SESSION 33

Designing for nursing

Chair: Marte Lauvsnes, Sykehusbygg, Norway

15.30	**Exploring the relationship between access to nature views and nurse burnout** Sahar Mihandoust, Research assistant professor, Clemson University, USA Debajyoti Pati, Assistant professor, Texas Tech University, USA
15.40	**Effects of inpatient unit design on nurses' walking distances and job satisfaction in three Jordanian hospitals** Bushra B Obeidat, Assistant professor, Jordan University of Science and Technology, Jordan
15.50	**Horseshoe, cockpit and dragonfly: nurse movement patterns in the ICU** D Kirk Hamilton, Julie & Craig Beale Endowed Professor of Health Facility Design, Texas A&M University, USA
16.00–16.30	**Panel discussion**

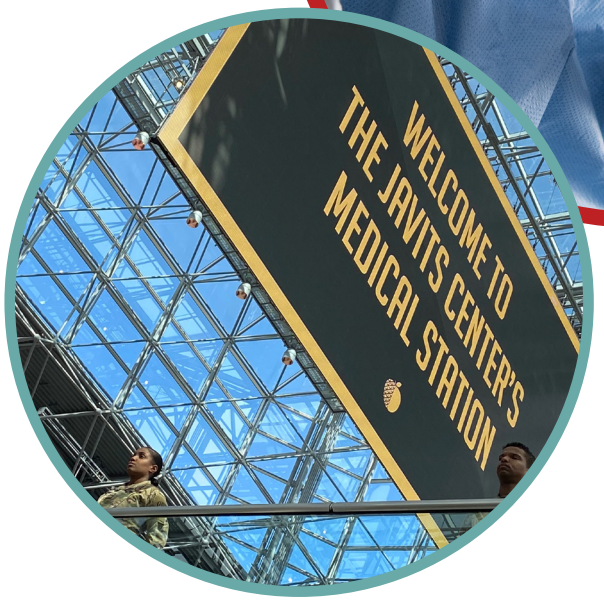
DAY 4, STREAM 10: COVID-19 GLOBAL SUMMIT ON HEALTHCARE DESIGN

17 September 2020 Main stage (all times are British Summer Time; all sessions streamed exclusively online)

14-18 SEPTEMBER 2020

COVID-19 GLOBAL SUMMIT ON HEALTHCARE DESIGN

The programme for the COVID-19 Global Summit on Healthcare Design will be launched in early August.



DAY 4, STREAM 11: NEW PARADIGMS IN HEALTHCARE DESIGN & PLANNING

17 September 2020 Breakout session (all times are British Summer Time; all sessions streamed exclusively online)

Supported by:

Stantec

SESSION 38

Designing for mental health

Chair: Alex Caruso, Design in Mental Health Network, UK

08.30	**Anything but institutional – a new model of care for young people experiencing mental ill health – the New Orygen Development, Parkville, Australia** Tonya Hinde, Associate director, Billard Leece Partnership, Australia Kerryn Pennell, Director of strategy and development, Orygen, National Centre of Excellence in Youth Mental Health, Australia Paul Longridge, Associate, Billard Leece Partnership, Australia
08.45	**Metabolic syndrome and architecture: improving our health and wellbeing** Anthony Jones, Associate director, The Fairhursts Design Group, UK Linda Jordan, Senior healthcare architect, The Fairhursts Design Group, UK
09.00	**Interrogating the 'desktop precedent study': a predominant but little-discussed research method in contemporary healthcare facilities design** Rebecca McLaughlan, DECRA research fellow, University of Newcastle, Australia
09.15	**Artworks for New Broadmoor Hospital** Martin Jones, Director, Art in Site, UK Louisa Williams, Director, Art in Site, UK
09.30–10.00	**Panel discussion**

SESSION 39

Designing for cancer care

Chair: Karin Imoberdorf, LEAD Consultants, Switzerland

11.00	**Shaare Zedek Cancer Centre, Israel** Tye Farrow, Senior partner, Farrow Partners, Canada
11.15	**Healthcare architecture education: designing the first Maggie's Center in Israel** Nirit Pilosof, Postdoctoral researcher, Technion – Israel Institute of Technology, Israel
11.30	**Design, health and community – an analysis of small-scale cancer care facilities and the implications for the existing Brisbane, Australia Age Care model** Gabriella Avenia King, Graduate of Architecture, Hassell, Australia
11.45–12.15	**Panel discussion**
13.00–13.30	**Innovation showcase – Expo area**

SESSION 40

The future of health planning

Chair: Richard Darch, Archus, UK
John Kelly, ETL, UK
Tina Nolan, ETL, UK

Organised by:

HEALTH PLANNING ACADEMY

14.30–16.00	**Professionalising health planning globally** As health systems around the world grapple with the acceleration of new technologies, COVID-19, and how these pressures impact and shape healthcare delivery, health planners have the opportunity to be centre stage. But how are the sub-disciplines of strategic health planning, clinical planning and space planning informing the design of health systems, clinical processes and new facilities? At last year's congress, an interdisciplinary group of delegates met to form a new professional body to regulate and represent health planners from around the globe, and bring rigour and professionalism to the discipline. More than 12 months on, the Health Planning Academy has been formed. This seminar will feature a panel of seasoned health planners debating how best to position the discipline to inform health policy around the world.

SESSION 41

Paradigm shifts in healthcare architecture

Chair: Brenda Bush-Moline, Stantec, USA

16.30	**The future of an architecture for health** David Allison, Director of Graduate Studies in Architecture + Health / Alumni Distinguished Professor, Clemson University, USA Edzard Schultz, Partner, Heinle, Wischer und Partner, Germany Eva Henrich, Architect, Heinle, Wischer und Partner, Germany
16.45	**Physician engagement in the development of the Vancouver General Hospital Surgical Center** Peter Gooderham, Surgeon lead, Vancouver General Hospital, Canada Shelly Fleck, Clinical project director, Vancouver General Hospital, Canada Kelly Lefaivre, Surgeon lead, Vancouver General Hospital, Canada
17.00	**A paradigm shift: providing critical care in a purposefully designed emergency critical care unit: a five-year post-occupancy analysis** Cemal Sozener, Associate Professor of Emergency Medicine, University of Michigan Medical School, USA Benjamin Bassin, Assistant Professor of Emergency Medicine, University of Michigan Medical School, USA
17.15–17.45	**Panel discussion**

DAY 4, STREAM 12: EHD2020 AWARDS PRESENTATIONS

17 September 2020 (all times are British Summer Time; all sessions streamed exclusively online)

Supported by:

Integrated Health Projects by VINCI CONSTRUCTION Sir Robert McALPINE

SESSION 42

Healthcare Design (Over 25,000 sqm)

Lead judge: Kate Copeland, Australian Health Design Council, Australia
Panel judges: Simon Kydd, WSP, UK; **Bill Hercules,** WJH Health, USA

08.00	**Blacktown Hospital Acute Services Building, Australia** Jacobs
08.15	**National Centre for Infectious Diseases, Singapore** CPG Consultants
08.30–08.50	**Panel discussion**

SESSION 43

Category sponsor: WSP

Design for Adaptation and Transformation

Lead judge: Jim Chapman, Manchester School of Architecture, UK
Panel judges: Chris Shaw, Medical Architecture, UK; **Jane McElroy,** NBBJ, UK

09.30	**National Centre for Infectious Diseases (NCID) & Ng Teng Fong, Centre for Healthcare Innovation (CHI), Singapore** CPG Consultants Pte Ltd
09.45	**Kantor Centre of Excellence: The Anna Freud Centre and The Pears Family School, UK** Penoyre & Prasad, Studio Ilse and Webb Yates
10.00	**Värnamo Hospital, Operation and ICU Clinic, Sweden** White Arkitekter
10.15–10.45	**Panel discussion**

SESSION 44

Design Innovation for Quality Improvement

Lead judge: Johnathan West, Royal College of Art, UK
Panel judges: Danny Gibson, MJ Medical, UK; **Phil Wade,** Phil Wade Business Consulting, UK

11.45	**Operating Room 4.0 (OR4.0), Spain** Mysphera
12.00	**Sensory lighting technology reducing patient stress and anxiety in the healing environment, UK** Visualite
12.15–12.45	**Panel discussion**

SESSION 45

Healthcare Design (Under 25,000 sqm)

Lead judge: Liesbeth van Heel, Erasmus University Medical Centre, Netherlands
Panel judges: Coen van Wijngaart, archipelago architects, Belgium;
Christine Chadwick, Cannon Design, Canada

13.45	**The Ark, Noah's Ark Children's Hospice, UK** Squire & Partners
14.00	**University of Cincinnati Gardner Neuroscience Institute, USA** Perkins and Will
14.15	**Zayed Centre for Research into Rare Disease in Children, UK** Stanton Williams Architects
14.30–15.00	**Panel discussion**

SESSION 46

Interior Design and Arts

Lead judge: Alexandra Coulter, Arts & Health South West, UK
Panel judges: Femke Feenstra, Gortemaker Algra Feenstra Architects, Netherlands; **Charlotte Ruben,** White Arkitekter

15.30	**MUSC Shawn Jenkins Children's Hospital and Pearl Tourville Women's Pavilion, USA** Perkins and Will
15.45	**The Prince and Princess of Wales Hospice, UK** Ryder Architecture
16.00	**Zayed Centre for Research into Rare Disease in Children, UK** Stanton Williams Architects
16.15–16.45	**Panel discussion**

DAY 5, STREAM 13: COVID-19 GLOBAL SUMMIT ON HEALTHCARE DESIGN

18 September 2020 Main stage (all times are British Summer Time; all sessions streamed exclusively online)

14-18 SEPTEMBER 2020

COVID-19 GLOBAL SUMMIT ON HEALTHCARE DESIGN

The programme for the COVID-19 Global Summit on Healthcare Design will be launched in early August.

DAY 5, STREAM 14: DESIGNING FOR YOUNG AND OLD

18 September 2020 Breakout session (all times are British Summer Time; all sessions streamed exclusively online)

Supported by: Medical Architecture

SESSION 51

Designing for older age

Chair: Suzanne MacCormick, WSP, UK

09.00	**Optimising aged care environment design evaluation** Lucio Naccarella, Principal research fellow, University of Melbourne, Australia
09.15	**How can we improve hospitals with age-friendly design?** Laia Isern Meix, Architect, Vitaller Arquitectura, Spain Albert Vitaller Santiró, Architect founder, Vitaller Arquitectura, Spain
09.30	**Museums at the heart of person-centred dementia care: the case of House of Memories** Kerry Wilson, Head of research, Liverpool John Moores University, UK Carol Rogers, Executive director, National Museums Liverpool, UK
09.45–10.15	**Panel discussion**
13.00–13.30	**Innovation showcase – Expo area**

SESSION 52

New models of design and evaluation

Chair: Göran Lindahl, Chalmers University, Sweden

13.45	**Multigenerational models of mental health design to support normalised living** Mark Carter, Director, Ryder Architecture, UK Victor Muniz, Associate, Ryder Architecture, UK
14.00	**Reconciling LEED and salutogenic attributes in residential care environments for the aged: Part II literature review and metric typology** Stephen Verderber, Professor, University of Toronto, Canada Terri Peters, Assistant professor, Ryerson University, Canada
14.15	**Design as a factor of behaviour change** Prof. Levkovitz Yechiel, Deputy director, Beer Yaakov / Ness Ziona Mental Health Centre, Israel Dalia Shilony, Independent interior designer, Israel Shlomit Roitman Laor, Project manager, Beer Yaakov / Ness Ziona Mental Health Centre, Israel
14.30–15.00	**Panel discussion**

SESSION 53

Designing for women and children

Chair: Stephanie Williamson, Guy's and St Thomas' NHS Foundation Trust, UK

15.30	**Redefining paediatric healthcare services in Northern Greece in the context of the Stavros Niarchos Foundation Health Initiative** Moritz Spellenberg, Associate, Llewelyn Davies, UK Deirdre Foley Wood, Director, ETL, UK
15.45	**Don't just design another hospital ward – respectful design for respectful maternity care** Dr Sarah Joyce, ESRC postdoctoral fellow and practising architect, University of Leeds, UK
16.00	**Protecting the most vulnerable: NICU design as a population health imperative** Francesqca Jimenez, Researcher, HDR, USA Renae Rich, Research analyst, HDR, USA Regina Reynolds, Director of nursing-nursery services, Parkland Health and Hospital System, USA Jeri Brittin, Research director, HDR, USA
16.15–16.30	**Panel discussion**

DAY 5, STREAM 15: EHD2020 AWARDS PRESENTATIONS

18 September 2020 (all times are British Summer Time; all sessions streamed exclusively online)

Supported by:

SESSION 54

Category sponsor: HOARE LEA

Design for Health and Wellness

Lead judge: Dr Liz Paslawsky, SALUS Global Knowledge Exchange, Australia
Panel judges: Jonathan Wilson, GB Partnerships, UK; **Eve Edelstein,** Perkins and Will, USA

08.00	**Greenwood Centre, UK** AHR
08.15	**The Prince and Princess of Wales Hospice, UK** Ryder Architecture
08.30	**Sint Maartenskliniek, Netherlands** EGM architects
08.45	**Zayed Centre for Research into Rare Disease in Children, UK** Stanton Williams Architects
09.00–09.30	**Panel discussion**

SESSION 55

Category sponsor: Medical Architecture

Design Research

Lead judge: Jonathan Erskine, European Health Property Network, UK
Panel judges: Goran Lindahl, Chalmers, Sweden / Tampere Technical University, Finland

10.00	**Shortlisted Paper 1 (to be announced)**
10.15	**Shortlisted Paper 2 (to be announced)**
10.30–10.50	**Panel discussion**

SESSION 56

Mental Health Design

Lead judge: Alice Liang, Montgomery Sisam, Canada
Panel judges: Marte Lauvsnes, Sykehusbygg, Norway; **Brenda Bush-Moline,** Stantec, USA

12.00	**Thomas Embling Hospital – Secure Psychiatric Intensive Care Unit, Australia** MAAP and Design Inc
12.15	**Belfast Acute Mental Health Inpatient Hospital, UK** RPP Architects
12.30–12.50	**Panel discussion**

SESSION 57

Health and Life Sciences Research

Lead judge: David Powell, Velindre Cancer Centre; Alder Hey Children's Hospital, UK
Panel judges: Karin Imoberdorf, LEAD Consultants, Switzerland;
Tye Farrow, Farrow Partners, Canada

14.00	**German Cancer Research Centre Heidelberg, Research & Development Centre for Imaging & Radio-oncology, Germany** Heinle, Wischer und Partner Freie Architekten
14.15	**University of Cincinnati Gardner Neuroscience Institute, USA** Perkins and Will
14.30	**Zayed Centre for Research into Rare Disease in Children, UK** Stanton Williams Architects
14.45–15.15	**Panel discussion**

SESSION 58

Category sponsor: IHP

Future Healthcare Design

Lead judge: Cliff Harvey, Union of International Architects' Public Health Group, Canada
Panel judges: Paul Bell, Ryder, UK; **Hank Adams,** HDR, USA

15.45	**Expansion University Hospital, Germany** HENN + C.F. Møller Architects
16.00	**Redemption Hospital: Caldwell, Liberia** MASS Design Group
16.15–16.30	**Panel discussion**

SESSION 59

Lead sponsor: IHP

Awards ceremony

Chair: John Cooper, Programme chair, Architects for Health, UK

16.45–17.30	**European Healthcare Design Awards 2020 ceremony** Main stage

DESIGN INNOVATION SHOWCASES

DESIGN INNOVATION SHOWCASES

Design thinking and innovation are the foundational premise of the European Healthcare Design Congress. The success of the design of a health system or service, of a product or technology, or of the architecture of a hospital or health centre, is determined largely by the design thinking, principles and insights applied.

At the beginning of the COVID-19 pandemic, the healthcare industry alongside other industries demonstrated remarkable capacity for rapid innovation in response to urgent need and demand. From the development of field hospitals and the adaptation and conversion of existing healthcare facilities, stadiums, hotels and conference centres to the design, manufacture and supply of ventilators, face shields and visors, and other PPE, all over the world public- and private-sector organisations came together in partnership to innovate and save lives.

How do we continue to capture and stimulate that capacity for innovation? Held between 13.00–13.30 BST on each of the five days of the virtual European Healthcare Design 2020 Congress, the innovation showcases are a celebration of design innovation in healthcare. The showcase programme will be launched in mid August 2020 and updated in this programme and at www.europeanhealthcaredesign.eu

SPONSORSHIP AND VIRTUAL EXHIBITION

We are grateful for the fantastic support we have received from all of our sponsors and exhibitors in the transition this year from an 'in person' to a virtual event. The recognition that the expert knowledge and content delivered and shared at European Healthcare Design each year are more valuable and relevant than ever during and beyond the pandemic has allowed us to increase access to many more design and healthcare practitioners, researchers and policy thinkers worldwide.

To provide your support and build your knowledge brand as part of this global healthcare design partnership, learning environment and community, please review the packages below and contact Marc Sansom at marc@salus.global

Virtual Sponsorship package, including virtual exhibition booth: £6000

- Branding on EHD website, event literature and digital newsletters
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- Company profile, logo and web/social links in virtual event hub
- Session sponsorship in EHD 2020 or COVID-19 Global Summit programme
- 1-year annual membership of SALUS
- Branding on virtual event lobby carousel
- Live streaming webinar facility
- Pre-recorded promotional video
- Live chat and 1-2-1 video meets
- 8 x full-event 5-day delegate passes (or equivalent 1-day passes)
- Digital briefcase – corporate and product literature
- Qualified audience analytics and lead manager
- Event offer option for delegates

Virtual Exhibitor package: £3500

- Branding on EHD website, event literature and digital newsletters
- Branding on all EHD and SALUS social channels
- Company profile, logo and web/social links in virtual event hub
- Innovation showcase – live streaming webinar facility
- Pre-recorded promotional video
- Live chat and 1-2-1 video meets
- 4 x full-event 5-day delegate passes (or equivalent 1-day passes)
- Digital briefcase – corporate and product literature
- Qualified audience analytics and lead manager
- Event offer option for delegates

ATTENDEE REGISTRATION

Presented in its new virtual format from 14-18 September, the 6th European Healthcare Design 2020 (EHD 2020) Congress and Awards, including the inaugural COVID-19 Global Healthcare Design Summit, is the world's leading forum for the exchange of knowledge on the relationship between research and health policy and practice within the field of healthcare design.

Congress attendees will develop their knowledge of the political, social, economic and environmental context, emerging practice, skills and core competencies in designing and commissioning health services, technology and infrastructure, project management, and the evidence base for healthcare design, sustainable development and quality improvement.

With access to over 200 talks, workshops, poster and award presentations, and more than 25 virtual exhibitions – as well as the ability to create your own personal profile and network via live chat and messaging, and video meetings – attendees will enjoy a unique professional development and networking experience with colleagues in the healthcare design field from all over the world at accessible prices.

A range of ticket types is available, giving attendees from all over the world great value for money. Attendee registration is available at **www.europeanhealthcaredesign.eu** at the following rates:

Early bird rates (available until 3 September)

UK – 5 days: £195 + VAT	Rest of the World – 5 days: £195
UK – 1 day: £75 + VAT	Rest of the World – 1 day: £75

Standard rates (available from 4 September)

UK – 5 days: £245 + VAT	Rest of the World – 5 days: £245
UK – 1 day: £95 + VAT	Rest of the World – 1 day: £95

- Members of Architects for Health are entitled to a 20 per cent discount. Please apply for your discount code at info@europeanhealthcaredesign.eu. Please note that a discount code may only be used once by the same user.
- Please note VAT is not applicable to tickets bought by registrants outside of the UK. UK registrants will be e-mailed a VAT invoice receipt within five days of registration.

THE PROGRAMME COMMITTEE

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Great Ormond Street Hospital for Children, UK

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For further enquiries on the event programme, sponsorship or exhibition opportunities, contact:

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EUROPEAN HEALTHCARE DESIGN

RESEARCH • POLICY • PRACTICE

COVID-19 GLOBAL SUMMIT

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For exhibition and sponsorship enquiries, contact
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