

Sydney / Tuesday 25 October 2016

# Design Speaks

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## Health Care/Health Design

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### 2016 Program

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A forum about the future of healthcare design

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Design Speaks Symposia 2016:

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Presenting Partner



Health Care / Health Design 2016:

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Supporting Partner



Program Organizer



# Program

The Health Care / Health Design forum brings together Australasia's leading practitioners, researchers, administrators and clinicians to discuss issues, share their experiences and speculate on possible futures for health design and healthcare.

**Venue:** Warrane Theatre,  
Museum of Sydney,  
Corner of Phillip Street  
and Bridge Street,  
Sydney

**Date:** Tuesday 25 October 2016

- 8.45 am Arrival and seating
- 9.00 am Welcome from Cameron Bruhn,  
editorial director, Architecture Media
- 9.15 am **KEYNOTE ADDRESS**  
**Ronald Hicks**  
Principal and Director of Health and  
Research, HDR | Rice Daubney (Sydney)  
ricedaubney.com.au
- John Grealy**  
Director, Architectus (Brisbane)  
architectus.com.au
- 9.55 am **CASE STUDY: KARRATHA SUPER CLINIC**  
**Emma Williamson**  
Practice Director, CODA (Perth)  
coda-studio.com
- 10.10 am **CASE STUDY: PALING COURT**  
**Connie Argyrou**  
Senior Associate, Jackson Teece  
Architects (Sydney)  
jacksonteece.com
- 10.25 am Q&A with Ronald Hicks, John Grealy,  
Emma Williamson and Connie Argyrou
- 10.45 am Morning tea

- 11.15 am **KEYNOTE ADDRESS**  
**Seow Kin Yong**  
Director, Facilities Development,  
SingHealth (Singapore)  
singhealth.com.sg
- 11.55 am **PANEL DISCUSSION**  
Susie Pearn (Aurecon) (chair),  
Seow Kin Yong and Julian Ashton (BVN),  
with questions from the audience
- 12.15 pm **KEYNOTE ADDRESS**  
**Eve Edelstein**  
Director, Human Experience Lab,  
Perkins+Will (USA)  
perkinswill.com
- 1.00 pm Lunch break
- 2.15 pm **CASE STUDY: CENTRAL & CECIL**  
**Ian Lomas**  
Partner, Make Architects (Sydney)  
makearchitects.com
- 2.30 pm **KEYNOTE ADDRESS**  
**Kristen Whittle**  
Executive Director, Bates Smart  
(Melbourne)  
batesmart.com
- Aija Thomas**  
Director, Silver Thomas Hanley  
(Melbourne)  
sth.com.au
- 3.10 pm **PANEL DISCUSSION**  
Stefano Scalzo (Department of Health &  
Human Services) (chair), Eve Edelstein,  
Ian Lomas, Kristen Whittle and Aija  
Thomas, with questions from the  
audience
- 3.45 pm Closing comments from Cameron  
Bruhn, editorial director,  
Architecture Media
- 4.00 pm Closing drinks
- 5.00 pm Event closes

# Keynote Addresses

## **“SUNSHINE COAST UNIVERSITY HOSPITAL: A QUEENSLAND FIRST – PUBLIC HOSPITAL DELIVERED THROUGH PUBLIC PRIVATE PARTNERSHIP”**

Presented by Ronald Hicks, Principal and Director of Health and Research, HDR | Rice Daubney (Sydney) and John Grealy, Director, Architectus (Brisbane)

Sunshine Coast Architects (a joint venture between Architectus and HDR | Rice Daubney) is working with Lend Lease to deliver the 160,000-square-metre Sunshine Coast University Hospital (SCUH) – Australia’s largest greenfield hospital. The new hospital was developed as part of a twenty-hectare integrated health campus. The design is set to deliver a new benchmark in integrated research and training facilities and patient-centred care. It will also provide a desirable workplace for the Sunshine Coast community.

The design vision for SCUH was to reflect the Sunshine Coast way of life: climatically idyllic and welcoming. The hospital is planned to open in April 2017 with 450 inpatient beds, expanding to 738 by 2021. It will offer a wide range of tertiary-level care, including a mental health unit, emergency department, comprehensive cancer centre, specialized medical and surgical services, maternity service, rehabilitation service, renal service, women’s and children’s health, and interventional and diagnostic services – including nuclear medicine.

Construction of the public hospital began in October 2012.

## **“OLD AND NEW: INTEGRATED CARE IN THE TWENTY-FIRST CENTURY”**

Presented by Seow Kin Yong, Director, Facilities Development, Singapore Health Services (Singapore)

Like many developed countries in the world, Singapore is facing the impending onslaught of a so-called “silver tsunami.” In the rapid ramp-up of healthcare facilities to cater for the escalating demand of an aging population, it is necessary for effective strategies to ensure that facilities are future-proof and meet the needs of a changing model of care setting. This model is moving away from a primarily acute setting to patient-centered integrated care, in order to rein in a drastic rise in healthcare costs, while maintaining a high standard of care.

How should healthcare design respond to such changing needs? What are the conflicting requirements that the design needs to cater for?

In her keynote address, Seow Kin Yong will discuss the necessary approaches in providing healthcare infrastructure that meets the current and future needs of the ageing population – balancing healthcare quality and costs from the perspective of an integrated health system and the physical infrastructure and design.

## 03 Keynote Addresses

### “NEURO-ARCHITECTURE”

Presented by Eve Edelstein, Director, Human Experience Lab, Perkins+Will (USA)

Translational research now offers the means for medical and scientific findings to clinically inform the design of healthcare settings. The growing field of neuro-architecture provides brain-based design principles that seek to improve outcomes – for the most fragile through to the most gifted of users. In concerts, fully-immersive virtual reality and visual and acoustic simulations, combined with wearable brainwave and heartrate biosensors, measure the influence of the built environment on the brain, body and behavior.

A practical translational design process will be described, incorporating research that reveals the interaction between buildings and the biological bases of mental, emotional and physical wellbeing. Examples of this applied-research-based approach include the programming and planning of two neuroscience institutes as well as both large and small scale built projects in the Americas and China that demonstrate the integration of original research in design decisions. Eve Edelstein will discuss the value of research-based design and how this approach may disrupt the process of architecture itself.

### “A NEW HOSPITAL FOR BENDIGO”

Presented by Kristen Whittle, Executive Director, Bates Smart (Melbourne) and Aija Thomas, Director, Silver Thomas Hanley (Melbourne)

Silver Thomas Hanley and Bates Smart are part of the team developing the largest regional hospital development in Victoria. The \$630-million Bendigo Hospital will be a state-of-the-art facility, providing high quality healthcare for Bendigo and the wider regional community. The project aims to create a tranquil and caring environment for staff, patients and visitors through its integration of architecture, landscaping, health service planning and evidence-based design.

The design for the new main hospital takes its cues from Bendigo’s vernacular buildings and natural context, and unites them with a holistic approach to healthcare. The design conceives the new hospital building and landscape as an integrated whole, where the built form reaches out and frames the garden setting and the landscape creates sanctuaries of internal tranquillity.

The new hospital, located on Barnard Street, will feature 372 inpatient beds, an integrated cancer centre, eleven operating theatres, and an eighty-bed integrated psychiatric inpatient unit, including a five-bed mother-and-baby unit. The main building is linked to facilities on the Lucan Street site via a pedestrian bridge. The adjacent site provides a conference centre, multi-deck car park, long- and short-term accommodation and a dedicated childcare centre, providing greater amenity to staff and patients.

# Case Study Talks

## **KARRATHA SUPER CLINIC (KARRATHA, WA)**

Presented by Emma Williamson,  
Practice Director, CODA (Perth)

The Karratha Super Clinic acts as a hub for general practice, allied health, mental health and ancillary health services for the Pilbara region, as well as providing educational programs and clinical training in regional health.

The building combines the needs of both the local Indigenous population and the many fly-in fly-out workers that work in the region, and considers the social impact of remote living.

The design response combines best practice healthcare facility management with an understanding of the cultural values of Indigenous clients. In particular, the building responds to sensitivities around enclosed spaces, connections to the landscape and an understanding of cultural traditions for privacy.

The harsh climatic conditions of the Pilbara triggered the project's shading strategy – a deep colonnade. This space is for circulation and waiting and allows clear visual connections through the facility. The striking use of colour internally and externally responds to the landscape and acts as an important wayfinding device within.

## **PALING COURT (CAMDEN, NSW)**

Presented by Connie Argyrou, Senior Associate,  
Jackson Teece Architects (Sydney)

Over the past ten to fifteen years, Jackson Teece Architects has worked with many different aged care providers to deliver a high standard of built work in the aged care market.

Carrington Centennial Care is an ongoing client with whom Jackson Teece Architects has developed a strong working relationship. Jackson Teece first started working with Carrington Centennial Care in 2008 on Grassmere Terrace aged care facility.

In this case study talk Connie Argyrou will focus on Paling Court, a residential aged care facility in Camden. This is a 126-room-facility with associated cafe, pharmacy, beauty salon and accommodation, located adjacent to two significant heritage buildings. The design focus was to provide a deinstitutionalized experience for the residents, through designing quality environments with domestic character, abundant natural light and views.

Paling Court was designed to deliver a high standard of care for the aged community, while being sympathetic to the site and surrounding built environment.

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# Case Study Talks

## **CENTRAL & CECIL (UK)**

**Presented by Ian Lomas, Partner,  
Make Architects (Sydney)**

Make is new to the aged care sector, but bring the same emphasis on sensory engagement to these projects that is a focus in its other work, including homes and hotels. Discussing a project currently in development in London, Ian Lomas will explore the design process and journey that the Make team embarked on. He will also reflect on the position of this project within the practice's residential and hotel work, and within the United Kingdom market – where aged care provision now begins before retirement and develops into full care, ideally within the same building and community.

# Keynote Speakers

## **RONALD HICKS**

Principal and Director of Health and Research, HDR | Rice Daubney (Sydney)

Ronald Hicks has specialized in the design and delivery of major healthcare facilities for over thirty years. His portfolio ranges from conceptual, clinical planning and strategic studies, through to on-site delivery as project director on some of Australia's most significant and complex hospitals, such as The Royal Prince Alfred Hospital, the Liverpool Hospital redevelopment and the Westmead Hospital redevelopment, all in New South Wales, and the \$1.8-billion Sunshine Coast University Hospital in Queensland.

His extensive masterplanning experience in both the urban and regional context, his design skills and esteemed outcomes are highly regarded. He is also well versed in contemporary best practice clinical planning, and in recent times has focused on the design and delivery of cancer care facilities.

Ronald has been the recipient of a number of prestigious architectural awards, including category wins at the World Architecture Festival in 2015, 2014 and 2011 (in two categories), a broad range of healthcare design awards and four architectural design awards from the South African Institute of Architects.



## **JOHN GREALY**

Director, Architectus (Brisbane)

John Grealy is a director of Sunshine Coast Architects (a joint venture between Architectus and HDR | Rice Daubney), principal consultant for the Sunshine Coast University Hospital. He is also currently delivering the implementation of the masterplan for Australian New Guinea Administrative Unit Memorial Hospital in Lae and the new Lae School of Nursing in Papua New Guinea.

As the founding director of Architectus in Brisbane, John has been responsible for the delivery of a number of significant public buildings in Brisbane including, The Queensland Elizabeth II Courts of Law, the Harry Gibbs Commonwealth Law Courts Building, the Neville Bonner Building and the School of Veterinary Science at The University of Queensland.

These buildings typically demonstrate humanist ideals and are notable for their enduring people-friendly spaces, while being connected to the broader urban and sub-tropical environs. The new Sunshine Coast University Hospital embodies these trademark design principles and takes advantage of the benign healing environment of this coastal region.



# Keynote Speakers

## **SEOW KIN YONG**

**Director, Facilities Development, SingHealth (Singapore)**

Seow Kin Yong has more than thirty years of experience in the development and management of infrastructure facilities, with twelve years in the healthcare industry. Her other experience includes developing and managing state-of-the-art semiconductor facilities, advanced pharmaceutical manufacturing plants and a world renowned airport. The high standards demanded in these various service and manufacturing facilities have given her a solid foundation in developing high quality healthcare facilities that meet the users' need.

In her current role as director of Facilities Development at Singapore Health Services, Seow Kin oversees the design and development of healthcare infrastructure facilities in the public healthcare sector, which includes two tertiary hospitals, five national medical centres, a community hospital and nine polyclinics.

Seow Kin regularly speaks at healthcare design conferences and has actively participated in developing several healthcare design guidelines.



## **EVE EDELSTEIN**

**Director, Human Experience Lab, Perkins+Will (USA)**

Doctor Eve Edelstein's background combines design practice and research expertise, drawing from a doctorate in neuroscience (University College London), a professional architecture degree and studies in anthropology (University California, Berkeley).

Eve directs the Human Experience Lab, which translates current neuroscientific and clinical data into design principles that have been applied in award-winning built projects. She also directs the DesignHealth Co-Laboratory, part of the American Institute of Architects' Design and Health Research Consortium, which explores the impact of design at environmental, urban and architectural scales.

Eve brings together experts to apply emerging biosensors, environmental trackers and real-time fully immersive virtual reality simulations to demonstrate the impact that buildings have on the brain, body and behaviour. Her neuro-architectural approach and translational design process informs design solutions to enhance cognition, creativity, intelligibility, action and emotion, as well as reducing error and supporting the health and wellbeing of all users.



# Keynote Speakers

## **KRISTEN WHITTLE**

**Executive Director, Bates Smart (Melbourne)**

Kristen Whittle is an executive director of Bates Smart and architectural design leader for the Melbourne office.

Educated at Manchester University in England, Kristen completed his postgraduate studies at the Southern California Institute of Architecture in Los Angeles. He went on to work with Herzog and de Meuron in Basel, Switzerland and in London where he played a lead role in the prize-winning Laban Dance Centre and Tate Modern art gallery.

Over the past ten years, Kristen has had a special focus on healthcare design, brought to life through his work on the \$1.2-billion Royal Children's Hospital in Melbourne, which won the 2012 Victorian Architecture Medal and was the health category winner at the 2012 World Architecture Festival. He also worked on the new Dandenong Hospital Mental Health Facility in Victoria, which won a National Architecture Award in 2014. Kristen and his team are currently designing what will be Australia's leading private hospital redevelopments at the Cabrini Hospital in Malvern, Victoria, as well as completing the design for the \$650-million Bendigo Hospital, which will open in January 2017 and will be the largest social infrastructure project ever undertaken in regional Victoria.



## **AIJA THOMAS**

**Director, Silver Thomas Hanley (Melbourne)**

Aija Thomas is a principal and founding director of Silver Thomas Hanley (Australia) and, in this capacity, leads the health facility planning and establishes the design philosophy for the professional development of the practice.

Aija's expertise and experience in health facility planning is extensive, commencing after graduation with international experience in Canada and New Zealand, and continuing in Australia with specialist involvement in all areas of health facility project architecture for over thirty years.

Her dedication, skill and enthusiasm for planning solutions is continuous and she demonstrates lateral thinking and innovation in each project that she has been involved in. Her skills in developing brief requirements ensure a high level of function and aesthetics. The practice's built works, many of which have evolved out of Aija's health design expertise, have had a significant influence on the development of healthcare design in Australia.



# Case Study Speakers

## **EMMA WILLIAMSON**

Practice Director, Coda (Perth)

Emma co-founded Coda Studio twenty years ago, upon graduation from university. Since that time she has worked across a broad range of projects, from product and exhibition design to design of residential, commercial, education, health, urban and interiors.

Coda is an award-winning practice that specializes in design and approaches each project with an open mind, an appetite for collaboration, plenty of questions and a desire to produce work that genuinely improves the built environment.

In addition to her role as practice director, Emma leads all of the interiors projects within the studio. She is a regular contributor to architectural publications, was the founding chair of the National Committee for Gender Equity for the Australian Institute of Architects and is an adjunct senior research fellow at Monash University.



## **CONNIE ARGYROU**

Senior Associate, Jackson Teece Architects (Sydney)

Connie Argyrou is a senior associate at Jackson Teece Architects and is currently leading architectural teams in multi-residential developments, seniors living and residential care projects. Connie has extensive architectural experience in a diverse range of projects across varying scales, typologies and complexity. She is committed to design excellence and is interested in all areas of architecture, from concept design to the finer details of construction.

Connie has led teams that have received industry recognition from the Australian Institute of Architects, the Urban Development Institute of Australia and various other bodies, demonstrating her ability to provide innovative architectural design solutions in a highly competitive and cost-driven market. She contributes to the industry through the promotion of architecture to students and with her involvement in mentoring programs. She has curated a series of the Architecture on Show talks with the City of Sydney council, as well as managing Jackson Teece's office-wide charity program.



# Case Study Speakers

## IAN LOMAS

Partner, Make Architects (Sydney)

Ian has more than twenty-five years experience as an architect, during which time he has worked on a broad array of projects in the United Kingdom, Europe, United States and, more recently, Australia. His diverse portfolio spans workplace, retail, residential, leisure and master-planning sectors, embracing all aspects of urban and interior design.

He joined Make in 2005 and has since led a number of key projects, ranging from the London Wall Place – a City of London scheme built around parks and gardens – to the redevelopment of London's Harrods department store. In Sydney, Ian has led a number of projects including the Wynyard Place project, a new transit hall with office and retail tower, and the re-imagining of the historic sandstone buildings in Sydney's CBD into a luxury hotel. Prior to Make, Ian worked for Foster and Partners, during which time he worked on the Reichstag project in Berlin.

In 2016, Ian relocated from London to Sydney.



# Panellists

## SUSIE PEARN (CHAIR)

Client Director, Health and Education, Aurecon (Brisbane)

Susie has more than twenty years experience in health infrastructure. She has held lead management roles in the planning and delivery of numerous health projects, including projects over one billion US dollars in value. Susie's advisory skill set and asset management background brings a diverse perspective to her role. Susie is passionate about helping health leaders create a more sustainable health system.

Susie has a particular interest in the convergence of health services, infrastructure and technology and how this can help create a new health paradigm with better outcomes – one that is more efficient, integrated and preventative.



# Panellists

## **JULIAN ASHTON**

Principal, BVN Architecture (Sydney)

Julian is a principal at BVN and has extensive experience in the areas of education, research and health. He is active in all areas of architecture, including masterplanning, concept design, user group consultation, documentation and contract administration. He has strong interest in bringing these areas of expertise together and applying them to each new building challenge. He is also interested in the development of new paradigms, particularly in the exploration of building types and their potential for varied application.

Since joining BVN in 2009, Julian has predominantly been involved in health and research projects and has recently worked on a number of major projects, including the National Life Sciences Hub at Charles Sturt University, the Westmead Millennium Institute, the CSIRO Black Mountain Consolidation Project, the Health Innovation Building for the University of South Australia, the Discovery Centre for the Powerhouse Museum and the Father John Therry, All Hallows and St Marks Catholic Primary Schools.



## **STEFANO SCALZO (CHAIR)**

Manager, Design Services, Infrastructure, Planning and Delivery,  
Victorian Department of Health and Human Services

Stefano is manager of design services at the Infrastructure Planning and Delivery Branch of the Victorian Department of Health and Human Services. He joined the Victorian Government in the middle of 2016 after over twenty years experience at executive level on some of Australia's most significant health projects, including the \$1.5-billion Lady Cilento Children's Hospital in Brisbane.

Recently, Stefano travelled throughout Scandinavia and Europe as a fiftieth anniversary Churchill Fellow, investigating high-amenity mental health units designed over multiple levels. In his current role he provides design leadership for the Victorian Government's health infrastructure priorities, including providing expert input into statewide health infrastructure planning, responding to changing demographic and service needs.



# Contact

**Event and sponsorship enquiries**

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