

## CHAA NEWSLETTER - 1 September 2006

### INTRODUCTION

Welcome to the eighth CHAA Newsletter for 2006. This newsletter continues the monthly series intended to disseminate useful sources of information and update our sponsors and key stakeholders regarding key CHAA research, events, and achievements.

Thanks once again to all our sponsors from the Health Capital Asset Managers' Consortium (HCAMC) jurisdictions for their ongoing support and feedback. Thank you also to our UNSW sponsors, especially those in the Faculty of the Built Environment (FBE).

### EVENTS

#### CHAA Conference 2007- Conference Announcement

Planning for the CHAA Conference 2007 "Future Health Facilities: Sustainability, Financing, Design & Research" is well underway with the Conference Announcement last month as the initial Call for Presentations, Papers & Sessions. Mark your diaries for this event to be held at The University of New South Wales on **Monday the 19th & Tuesday 20th February 2007**.

This newsletter includes the link to the second **Call for Expressions of Interest** from industry, academia and public sector to present at the Conference by submission of an EOI by email to the Conference Convenor. The purpose of the initial Call was to gauge interest in the sub-themes and topics which will assist planning of the Draft Program. Note that the **CLOSING DATE FOR PAPERS IS MONDAY 6<sup>th</sup> November 2006**. Please refer to the [CHAA website](#) for development of the Conference program detail and the Second Call for Presentations at the end of this Newsletter.

#### FBE News & Events: Adjunct Professorial Lecture Series

The Faculty of the Built Environment (FBE) at the University of New South Wales has organised Adjunct Professors in Architecture, who are some of the most prominent architects and engineers in Australia, to deliver an open lecture series. Although the topics of these lectures are aimed to cultivate and inspire the architectural students, these lectures will become the forum for communicating current architectural thinking and practice by some of the country's movers and shakers.

**When:** Wednesdays at 2.00 PM; **Where:** Physics Theatre, UNSW

For more information, contact Paola Favaro, lecture series coordinator ([paolaf@fbe.unsw.edu.au](mailto:paolaf@fbe.unsw.edu.au))

Link to event timetable: [lecture series details](#)

#### CHAA Australasian Seminar Series update

A timetable has been developed for all Health Capital Asset Managers Consortium jurisdictions to host these seminars in 2006 in each Australian State/Territory and in New Zealand before the end of the year. Please see details on the CHAA website Events Program > [CHAA events](#)

The next HCAMC Seminar is being organized by Queensland Health on Wednesday 20th September 1.30-4.30pm, to be held in the Auditorium at Royal Brisbane and Women's Hospital.

The seminar program has a common set of topics based on CHAA projects and related research of

- Australasian Health Facility Guidelines – R&D to date & user feedback;
- Post-Occupancy Evaluation – CHAA methodology and guidance on use & user feedback;
- CHAA website – resources available.

These seminars have now been held in Adelaide, South Australia (20<sup>th</sup> June) organised by Asset Services, South Australian Department of Health; in Canberra for the ACT jurisdiction (20<sup>th</sup> July) and the most recent in Perth, Western Australia (2<sup>nd</sup> August) was a great success with over 100 attendees from the private and public sectors interested in health facilities design and construction. Please feel free to [email us](#) & Miriam will coordinate answers to questions on these seminars.

## NSW Health Seminar Series 2006

- **Report on CHAA Seminar 23<sup>rd</sup> August 2006**

This was a particularly successful event, with a new record of 85 registrations in total. The participation of 34 Faculty of the Built Environment post-graduate students, from the Master of the Built Environment (Sustainable Development) Program, provided additional youth & enthusiasm to discussions in the Seminar and over food and drinks following the event.

The theme for this second seminar of three was **The NSW Health System: Facilities Management & Environmental Sustainability**. Our thanks to Michelle Malanca, Senior Technical Manager, Green Building Council of Australia ([Development & Application of the Green Star Health tool to NSW Health Facilities](#)), Stephen Hennessy, Director, AHA Management P/L ([Building Services Maintenance: improving energy efficiency](#)) and Peter Graham, Director, Environment & Sustainability Research Group, UNSW for their expert and entertaining participation. The key speakers' presentations are available online from the CHAA website with a list of [references](#) for further reading.

- **Invitation to CHAA Seminar 18<sup>th</sup> October 2006**

Mark your diary for the third NSW Health supported seminar Wednesday 18<sup>th</sup> October 2006, starting at 5.30pm for 6pm. The venue is the Carlton Crest Hotel, Thomas St, Sydney. It is centrally located with good parking available next door and public transport access (buses at George Street, Great Southern Hotel or a short walk across George Street from Central Railway Station).

**Theme: Culture and Health as elements of design.**

**Aim:** To present to the health facilities planning and design industry case studies on cultural, health and design that will stimulate improved cultural design of health facilities.

**Target group:** health planners; designers; architects; multicultural coordinators and program managers; board, management and planners of culturally diverse organizations; NSW Health Dept. Capital Management group; Faculty of the Built Environment post graduate students, FBE culture and design groups.

## PROJECTS UPDATE

### Progress Report at end of August 2006

- **Program 1: Standards and Guidelines**

#### *1.1 NSW Health Facilities Guidelines*

The issue of an additional 12 NSW HPU is on track for November/December 2006. These will include Pathology, Oral Health, MPS, Administration, CSSU, Day Procedure Unit, Main Entrance, Mortuary, Staff Amenities, Aged Persons Acute Psychiatric Unit, Radiotherapy and Nuclear Medicine. In addition, an additional 40 standard components have undergone review and will be posted as part of the November NSW HFG update.

#### *1.2 Australasian Health Facilities Guidelines*

The Project Coordination Working Committee is working productively with input from all HCAMC jurisdictions and CHAA towards the November launch of the Australasian HFG. The updated website will be loaded for final approval and comment by early September, with a public launch for 12 months' industry review expected in late November.

- **Program 2: Benchmarking and Evaluation**

#### *Project 2.1 Benchmarking*

The Version 2 of the Victorian DHS capital benchmarking model is now being reviewed by CHAA. The Australasian Capital Health Assets Project is being developed as a web-based data entry portal for jurisdictions to enter their data directly into the CHAA maintained database of projects. This Project is now called CHAP (Capital Health Assets Project) & is managed by Tim Earnshaw.

*Project 2.2 Post Occupancy Evaluation*

The NSW POE methodology has been used on two further NSW Health project POE in 2006. The draft report for the Young POE is currently being reviewed by CHAA. We await the approval of further funding for NSW POE to enable further development and testing of the model.

- **Program 3: Capacity Building**

*Project 3.1: Knowledge Infrastructure and Management*

The CHAA newsletter continues to be issued monthly and receives a positive industry response. Likewise the CHAA website is receiving increasing numbers of 'hits' and positive feedback from both local and international users. Updates continued in August of the **Web Links and References Index** with new material (e.g., NICU updated)

[http://www.fbe.unsw.edu.au/CHAA/links&refs\\_index.asp](http://www.fbe.unsw.edu.au/CHAA/links&refs_index.asp)

*Project 3.2: Health Facility Workforce Project*

A workshop was held on 23rd August to further the work of this project, which has refocused from the education needs of health facility asset managers towards looking at the broader issue of health facilities workforce across a range of occupations from health service planners, designers, construction personnel to facility managers. A CHAA Discussion Paper has been circulated to Working Party members with recommendations for further development of this project.

*Project 3.3: Education Project*

The second of the series of three NSW Health seminars will be held on 23 August on the theme of 'NSW Health: Facilities Management and Environmental Sustainability'.

Three seminars have so far been conducted for three HCAMC jurisdictions (SA, ACT, WA) on the subject of the Australasian Health Facility Guidelines development and implementation. Seminars for the other jurisdictions are planned for later in 2006.

CHAA Conference 2007 planning is well in-hand for the conference to be held in Sydney on 19<sup>th</sup> & 20<sup>th</sup> of February 2007. An initial call for expressions of interest from presenters was included in the August CHAA Newsletter. A second Call is attached to this newsletter (or online) with academic papers to be peer-reviewed and final versions submitted of all **papers by Monday 6<sup>th</sup> November 2006**. Themes for the conference include health facilities sustainability, financing, design for the future and health facilities research.

- **Other CHAA Progress**

*UNSW & RAI 2006 REPORT INTO HEALTHCARE DESIGNERS*

The Centre for Health Assets Australasia and the Royal Australian Institute of Architects are pleased to jointly announce the publication of the Report which is accessible [here](#). The Report is based on a survey of Australian and New Zealand health care design firms in Nov/Dec 2005. The Report is interesting reading as it quantifies the range and extent of architects' involvement in the healthcare industry and the information sources used for their design work. A recent article on this work appeared in the July 2006 issue of 'Hospital and Healthcare Journal'.

*Health Facility Guidelines – Reviewers wanted*

Please consider being a Reviewer of the new Guideline components that are in development in 2006. In addition to internal CHAA and Department of Health review, we wish to obtain as wide a representation as possible from within the industry, encompassing designers, facility planners and practitioners – as individuals or as representatives of professional bodies, associations and other relevant organisations. **Radiation Therapy** is the next Health Planning Unit for review. If you are interested in commenting on this Unit please [e-mail](#) Margaret Binnie, Research Fellow, CHAA or via phone: 02 9385 4364.

**BOOK REVIEW:**

'**Planning, Design and Construction of Health Care Facilities**', Joint Commission on Accreditation of Healthcare Organizations, Joint Commission Resources, Illinois, 2006.

“This helpful publication assesses the challenges, compliance issues, and need for a holistic approach to the planning, design, and construction of health care facilities. It also provides tips, tools, and strategies to consider and shares real life case studies of organizations that have seen great success in their approach to planning, design, and construction with a patient safety focus.”

Jane Carthey, Director, CHAA has written a brief Book Review, appended to this Newsletter.

Sample pages: <http://store.trihost.com/jcaho/product.asp?dept%5Fid=24&catalog%5Fitem=708> & follow link at left of page (requires Adobe Acrobat Reader).

Book purchase: <http://store.trihost.com/jcaho/product.asp?dept%5Fid=24&catalog%5Fitem=708>

## CHAA PERSONNEL

### • Meet Patrick Chu: Research Fellow, CHAA

CHAA is pleased to commence a new section of our Newsletter, featuring a brief Profile on a staff member. This month's (inaugural) volunteer is Patrick Chu, who joined CHAA in April 2005.

Patrick has provided the following haiku for your information:



“Sydney has the perfect weather and space  
To test flight flying objects in any form or shape.  
I discovered Aero-modelling at 10 years old,  
It has been with me for the last 40 years.  
A perfect weekend is to soar around the Sydney skyline.”

### Patrick's current project:

- Australasian Health Facility Guidelines

### Background - before CHAA:

- Health architect since 1986

### Currently studying:

- Masters of Facilities Management at USyd (will finish this year!)

### Favourite past-time at CHAA:

- 'Avoiding making soup on soup day'

## THE MORE THINGS CHANGE.....



This section of the CHAA Newsletter will explore our past and encourage reflection on current healthcare facility design, service planning and delivery of services. Please feel free to submit items of interest on 'past' healthcare facilities to our Newsletter Editor ([email](#)).

**With regards to the design of hospitals “.....is one (in) which the scientific knowledge of the physician must be welded for work with the practical organization power of the hospital Board and the constructive talent of the architect”.** (Sir Alfred Roberts, “Upon a few points in the construction and organization of hospitals, bearing upon the physical and social characters of Sydney”, *The Australasian Medical Gazette*, January 1884, page 85)

## BOOKMARK OF THE MONTH: Evidence-Based Design and Practice

This month's Bookmarks are in keeping with the historical quote above:



Hamilton, D Kirk, “Hypothesis and Measurement: Essential Steps Defining Evidence-based Design”, *Healthcare Design*, (4) 2004

[http://www.healthcaredesignmagazine.com/Past\\_Issues.htm?ID=3089](http://www.healthcaredesignmagazine.com/Past_Issues.htm?ID=3089)

Hamilton, D Kirk, “The 4 Levels of Evidence-based Practice”, *Healthcare Design*, (3)

November 2003 pp. 18-26 [http://www.healthcaredesignmagazine.com/Past\\_Issues.htm?ID=2922](http://www.healthcaredesignmagazine.com/Past_Issues.htm?ID=2922)

## **FUTURE MONTHS:**

Please circulate the newsletter amongst your colleagues, consultants, contractors, etc and encourage them to go to our website at [www.chaa.net.au](http://www.chaa.net.au) to register for CHAA.Net free membership. We welcome your feedback on areas of particular interest that we can address in future newsletters. Please email your comments, links for useful resources, news items etc for the next newsletter **by Friday, 22<sup>nd</sup> September 2006.**

Regards,

**Jane Carthey**

Director, Centre for Health Assets Australasia

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The University of New South Wales

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**Issued Monday 4<sup>th</sup> September 2006**

## **BOOK REVIEW: Joint Commission on Accreditation of Healthcare Organizations, ‘*Planning, Design and Construction of Health Care Facilities*’, Joint Commission Resources, Illinois, 2006.**

This recently published manual provides an interesting and comprehensive overview of the planning, design and construction of US healthcare facilities. It's stated purpose (p.2) is ‘...to help health care organization leaders, environment of care professionals, and other health care organization staff members successfully navigate the planning, design and construction process.’

The book is organised to reflect the six distinct phases of building projects namely planning, schematic design, design and development, construction documents, construction and commissioning. It then includes two appendices that look at the specialised areas of laboratory and pharmacy design.

Apart from the editors, a wide range of individuals are acknowledged as contributors to the book range from design consultants, equipment suppliers, healthcare funders, clinicians, medical administrators, facility managers, researchers, contractors, sustainability experts and others. It is therefore as expected, comprehensive, detailed, practical and informative.

Its relationship to the design guidelines developed by the AIA and accepted as accreditation standards in 42 US states is noted, and offers an overview of the many concepts developed in more detail in the guidelines and other relevant standards, handbooks and legislation that apply to healthcare design and procurement in the US. The book makes reference to research in a range of areas including that into healing environments and the effect of design on patient outcomes. Also offered are practical tools to deal with risks associated with the construction of health care projects, an overview of the LEED tools, the Green Guide to Healthcare Construction plus a useful chapter on Commissioning.

This is an interesting overview of healthcare facility development and although of much relevance to the Australian healthcare facility environment, it also highlights key differences between the US and Australian healthcare systems. For example, health service planning is considered to be the role of local health care organisations and providers rather than a central government role to ensure equity of service provision to all US citizens and residents. There is an implicit faith that the market will get it right, although it does note some US Medicare initiatives aimed at plugging gaps for poorer and more remote communities who would suffer under a purely market driven model.

It would be interesting to see an Australian version of this manual developed, filling the gap between development of health facility guidelines (HFG) by CHAA on behalf of the States/Territories of Australia and New Zealand, and the accreditation requirements of the Australian Council on Healthcare Standards (ACHS) which largely looks at operational issues. This may be considered as a future project for CHAA to undertake in conjunction with other interested parties drawn from the healthcare industry.

Attachment:

## **CHAA Conference 2007**

### **Future Health Facilities: Sustainability, Financing, Design & Research**

#### **Announcement - Call for Presentations, Papers and Sessions**

We are proud to announce the second call for presentations, papers and sessions for the CHAA Conference 2007. This is the premier health assets and facilities conference in Australia and New Zealand for leaders and their professional peers within healthcare, hosted at the University of New South Wales. Come and share a podium with International and Australia Keynote speakers!

Learn about design, planning, construction and management of hospitals and other healthcare facilities from the people who practice in the field and have lessons to share. Meet industry experts, decision makers, innovative companies and many others in the beautiful city of Sydney, Australia from the evening of the 18th until the 20th February 2007.

#### **Expressions of Interest**

Both experience-based and evidence-based research are welcome for presentation, with optional academic peer-review of abstracts and full papers where appropriate.

Representatives from industry, academia and the public sector are invited to present at the CHAA Conference 2007 by submission of an EOI by **Sunday 1<sup>st</sup> October 2006**.

Details of the specific EOI response format are attached overleaf (page 2)

Authors of academic peer reviewed papers will be informed about their papers acceptance/rejection from this round by **Friday 13<sup>th</sup> October 2006**. Final academic papers accepted for this conference have a deadline for receipt by CHAA by **Monday 6<sup>th</sup> November 2006**.

#### **Aim of the Conference**

The CHAA Conference 2007 aims to raise awareness of the facilities issues in the healthcare sector and to increase and disseminate knowledge on best-practices to solve current and emerging problems. CHAA Conferences aim to be the meeting point for all healthcare professionals with an interest in improving healthcare facilities design, functional planning, operation and life-cycle management to support improved patient care outcomes and the performance of the health care sector.

#### **Themes**

CHAA Conference 2007 sessions will include presentations on the themes of health facilities sustainability, financing, design for the future and health facilities research. Details of indicative sub-themes and topics are outlined on page 2 for further information.

#### **Organisers**

The Centre for Health Assets Australasia is the organiser on behalf of the University of New South Wales.

#### **Sponsors/Contributors**

CHAA acknowledges the Health Capital Asset Managers Consortium (representing the public health sector capital works executives in Australian and New Zealand) as major sponsor.

We are happy to receive other levels of sponsorship: please refer the CHAA website for details of how you may be involved in the conference through financial or other support of this event.

For further information contact: CHAA [website](http://www.chaa.net.au) ([www.chaa.net.au](http://www.chaa.net.au)) & / or [email](mailto:CHAA.Conference@fbe.unsw.edu.au) ([CHAA.Conference@fbe.unsw.edu.au](mailto:CHAA.Conference@fbe.unsw.edu.au)) for response as soon as possible.

## **CHAA Conference 2007 Future Health Facilities: Sustainability, Financing, Design & Research**

### **Expressions of Interest (EOI) Format:**

#### **Proposed Title of Presentation / Paper (16 point, bold)**

#### **Author(s) Name(s) (12 point, bold)**

Organization / Affiliation (12 point)

Complete Postal Address (12 point)

Telephone/Facsimile Numbers (12 point)

Email Address (12 point)

For the EOI, please provide: a structured **abstract for a paper or descriptive summary** of the intended presentation (not exceeding 250 words) with a **statement indicating whether a full paper for publication will also be submitted**. Authors should identify if **DEST or Internationally equivalent peer-review** for academic credit is sought.

### **Session Themes and range of topics of interest:**

#### *1. Healthcare Facilities and Sustainability*

- Site selection & master planning
- Design issues
- Construction
- Facilities Management
- Tools and methods supporting sustainability (e.g., Green Star Health Tool, Life Cycle Costing / Analysis / Management)

#### *2. Healthcare Facilities and Private Financing*

- Bidding / risk management and related financial processes
- Future of PPP / PFI – govt experiences worldwide
- Case studies – Europe, UK, Australia

#### *3. Healthcare Facilities and the Future*

- Service needs / models of care / design responses
- Design responses to service needs / models of care (especially case studies)
- Tools and methods for improving design & facilities operation e.g. simulation tools, simulation laboratories for clinical skills development, building management monitoring, testing of physical space utilisation
- Trends in technology impacting on delivery of care

#### *4. Healthcare Facilities, Current and Future Research*

- Environment-behaviour research
- Impact of culture on the design of healthcare facilities
- Project evaluation and standards development – national agenda, reviews
- Climate change – mitigation and adaptability for healthcare, global issues
- ‘Research I would like to do’ (proposed workshop final session / summing up)