

**LA/AIA COMMITTEE ON ARCHITECTURE FOR HEALTH**  
**MINUTES OF THE MEETING: CAH No 06-09**

Date: Wednesday, 20 September 2006

Time: 4:30 p.m.

Place: **Lee, Burkhardt, Liu, Inc.**  
13335 Maxella Ave.  
Marina del Rey, CA 90292

Subject: ***Addressing the Technology Challenge: How to Build the Right Building by Harnessing the Power of Technology Planning***

Speaker: **Phil Crompton, Principal Vantage Technology Consulting Group**

Present: **Zeke Triana, AIA (Lee, Burkhardt, Liu, Inc.): CAH Chair**

- |                           |                      |                          |                    |
|---------------------------|----------------------|--------------------------|--------------------|
| 1. Devra Brenner          |                      | 23. Joseph Madda, AIA    | LBL                |
| 2. Angela Buickians       | Cedars Sinai Med Ctr | 24. Nick Miller          |                    |
| 3. Erich Burkhardt, AIA   | LBL                  | 25. George Pressler, AIA | PDR                |
| 4. Chungyang Cheng        |                      | 26. Richard Ramer, AIA   | Ramer Architecture |
| 5. Carl Christiansen, AIA | SmithGroup           | 27. James Sorrenpohl     |                    |
| 6. George Conde, AIA      | UCLA                 | 28. Al Roden             | Smith Group/Chong  |
| 7. Lisa Cooper            | P2S                  | 29. Dana Von Allonen     |                    |
| 8. Yvonne Cooper          | LBL                  | 30. Andrea Walden        | Vantage            |
| 9. Julius Costescu, AIA   | LBL                  | 31. Joe Warren           |                    |
| 10. Gary Goldberg, AIA    | Devenney Group       | 32. Sina Yerushalmi, AIA | LBL                |
| 11. John Grossman         | Milie & Severson     |                          |                    |
| 12. Al Guterrez, AIA      | Perkins & Will       |                          |                    |
| 13. Bill Hamilton, AIA    | LBL                  |                          |                    |
| 14. Derek Hamilton, AIA   | LBL                  |                          |                    |
| 15. Charlotte Hogan       | 5THink               |                          |                    |
| 16. Nancy Hogan-Baur      | 5THink               |                          |                    |
| 17. Steve Jackson, AIA    | Chong Partners       |                          |                    |
| 18. David Keiser, AIA     | Langdon Wilson       |                          |                    |
| 19. Tibor Kisvarday, AIA  | Kisvarday Associates |                          |                    |
| 20. Suzan Kurem, AIA      |                      |                          |                    |
| 21. Roger Lieb            | Leib & Leib          |                          |                    |
| 22. Ken Liu, AIA          | LBL                  |                          |                    |

**LA/AIA-CAH ANNOUNCEMENTS:**

1. The **November** Meeting of the **LA/AIA-CAH** is scheduled for Wednesday, 15 November 2006 at 4:30 p.m., CO Architects will be presenting, announcement to follow.
2. The **December** Meeting of the **LA/AIA-CAH** is scheduled for Wednesday, 20 December 2006 at 4:30 p.m., TRL Systems will be presenting, announcement to follow.

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**CALENDAR OF EVENTS:**

1. **Medquest Communications in conjunction with The Center for Health Design** has announced that their annual conference, *HEALTHCARE DESIGN.06*, is scheduled to take place from November 4 to November 7, 2006, and will be held in Chicago, Illinois. Information is available at [www.healthcaredesignmagazine.com/conference](http://www.healthcaredesignmagazine.com/conference).

**FOR YOUR INFORMATION:**

1. We have not found any items of interest to include in this months column.

**PEOPLE, PLACES & THINGS:**

1. We have not found any items of interest to include in this months column.

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**SPEAKER:**

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For over eighteen years **Phil Crompton** has provided strategic technology planning, systems design, engineering and installation services on communications and information technology projects throughout the US and Europe. He applies his extensive project experience, strong communication skills and comprehensive technical knowledge to help organizations envision the role of technology in their future. With a strong technology vision as a basis, Phil then guides his clients through the complex process of building effective and resilient technology systems and infrastructure. Phil has served on the Educational Advisory Council of the Building Industry Consulting Service International (BISCSI), and is a regular speaker at conferences and events focusing on technology and its impact on the built environment. He holds a Masters Degree in Business Administration (MBA) and an undergraduate degree in Electrical and Electronic Engineering, is a licensed Professional Engineer and a Registered Communications Distribution Designer (RCDD).

**THE PRESENTATION: *Addressing the Technology Challenge: How to Build the Right Building by Harnessing the Power of Technology Planning***

**Phil Crompton** opened the presentation addressing today's technology challenges. The velocity of technological change has caused technology obsolescence. User's expectations continue to increase like water from a faucet. Technology used to be an add-on, but now it must be an integral part of the clinical environment.

Phil discussed some of the technology trends that are redefining healthcare. Real time voice communication that redefines voicemail and overhead pages and reduces telephone tag. The main users of real time communication revolve around nurses and patients, doctors and support services. The other beneficiary is for asset location, the ability to track and locate high-value equipment, patients and key staff. Providing ubiquitous access to clinical and administrative data throughout the facility using a variety of devices increases patient safety.

Patient information systems such as satellite TV, video on demand, education, internet and intranet content streams at the patient bedside. Some of the issues include type and location of display, foot of bed or wrap-around arm. Another issue is whether to include access for visitors from a separate display or from the patient bedside.

Phil started the section on technology futures with a quote from Wayne Gretzky "*I skate to where the puck will be.*" E Ink Corporation and Seiko Watch Corporation have developed the world's first watch to utilize an electronic paper display. A large-scale wall-sized newspaper utilizing E Ink Electronic Paper was unveiled at EXPO 2005. Wearable computing that combines speech recognition with a diagnostic system provides patient information to trauma caregivers. Bulletin boards and information kiosks will sense your approach and provide context-sensitive information.

A "rounding robot" rolls down a corridor at Mission Hospital in Mission Viejo with Dr. John Shaver's face displayed on a video screen. The technology lets the physician interact with patients from a remote location. Minimally invasive coronary bypass and mitral valve repair surgery using new DaVinci system with videoscopic and robotic techniques.

Patient identification systems such as Radio Frequency ID (RFID) bracelets provide access to medical records. The bracelets can replace name and bar code tags in hospitals. Physicians will know their patients' case histories almost from the moment they shake hands.

The importance of technology planning is to make sure we are building the right building. The technology plan must include: planning for integration and convergence; budgeting; scheduling the "last responsible moment" which should involve pilot projects, systems selection, procurement and installation; and, staffing. Room layouts and configurations need to be thoughtfully planned for critical spaces such as patient rooms, operating rooms and nurse stations.

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In closing, **Phil** left us with an image of a computerized toaster with the quote “just because you can, it doesn't mean you should!” There are limits to the appropriate use of technology.

On behalf of the membership of the Los Angeles Chapter of the AIA's Committee on Architecture for Health, we wish to express our thanks to our presenter **Phil Crompton** for providing us with a most thought provoking presentation and for providing the refreshments. Many thanks to LBL for accommodating the event in their offices!!

**Zeke Triana, AIA, Chair**  
**LA/AIA Committee on Architecture for Health**

**cc: With attachments**  
**All attending and non-attending members of the CAH**  
**Nicola Solomons, Executive Director, LA/AIA Chapter**