

2010 C.A.S.H. Annual Conference
School Architecture Workshop Proposals

As of: 6/4/2009

Title: Architectural Forensics: The CSI of Design/Building

Description: Familiar with the Forensics? How about Architectural Forensics? Mention forensics these days and most people mention crime labs and the show CSI. Actually, architectural forensics is looking at a structure that has failed or has inherent problems that keep it from properly functioning. This workshop asks the questions as to WHY buildings fail and what can be done to prevent it in the future. Be prepared for a lively discussion!

Three Learning Objectives

1. Who are the Designers of the 21st century
2. Prevention and Cure to Architectural Forensics
3. Understanding the roles of the team to maximize efficiency and outcome

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: any

Interested In Moderating: Yes

Submitted by: Julie Barrett
WWCOT
3130 Wilshire Blvd. 6th Floor
Santa Monica, CA 90403-2349
Phone: (310) 828-0040 Email: julieb@wwcot.com

Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Educational Commissioning: Connecting Design to Learning/Teaching Outcomes

Description: We have CHPS and LEED certifications and A/E commissioning of buildings, but what about the educational component of matching the design of a facility with its intended outcome? Does the facility respond to the learners and the teachers in the manner it was designed? Educational commissioning is the follow up step to post occupancy evaluations and it intended to work with the State's guidelines for schools of distinction. Educational commissioning offers the bow on the package to distinguish great schools in all capacities from mediocre or just good schools. This workshop focuses on what goes into educational commissioning, how do districts, the state agencies and the design/engineering/construction professions utilize this information and implement it purpose for creating truly great learning environments as a total package

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: any

Interested In Moderating: Yes

Submitted by: Julie Barrett
WWCOT
3130 Wilshire Blvd. 6th Floor
Santa Monica, CA 90403-2349
Phone: (310) 828-0040 Email: julieb@wwcot.com

Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Educational Trends: What Are They and How Will They Affect the Planning, Design and Construction of School Facilities

Description: Twelve national trends are quickly rooting themselves in quiet neighborhood schools and major urban school districts in North America. How can school districts and the supporting staff, A/E/C communities be responsive and plan for this trends without having to react negatively to community pressures, budgets and political pressures? This workshop will highlight the trends and which ones are making a huge impact on school districts budgets and their planning processes. The workshop is intended to be interactive with presented scenarios and outcomes from the audience members. A “what if” game of sorts will be the precursor and the meat of the information will be presented on how to be affective and financially smart in proactively working with these trends.

Submitted as: Workshop: Roundtable: Clinic:

Length: any

Interested In Moderating: Yes

Submitted by: Julie Barrett
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Length: any

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Phone: (310) 828-0040 Email: julieb@wwcot.com

Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Edward R. Roybal High School (Belmont Learning Center) - From Lemons to Lemonade: Now the Rest of the Story!

Description: You've all heard the stories! You have probably even told a few yourself, but now you can learn the rest of this amazing recovery and delivery story on Edward R. Roybal High School aka Belmont Learning Center and Vista Hermosa High School. This is a true "lessons learned" story that will help both large and small school districts plan, design and construct their next educational facilities project.

Edward R. Roybal High School aka Belmont Learning Center has quite a history and the school hasn't even completed construction. With a new focus, administration, architectural team and contractors, the district is meeting the task of delivering a neighborhood school and overcoming the negative stigma that is attached to this project. Come find out the rest of the story.

Three Learning Objectives

1. Planning is good at all stages of the project
2. Make media your friend!
3. Bad projects can be good projects with a change of perspective

Submitted as: Workshop: Roundtable: Clinic:

Length: any

Interested In Moderating: Yes

Submitted by: Julie Barrett
WWCOT
3130 Wilshire Blvd. 6th Floor
Santa Monica, CA 90403-2349
Phone: (310) 828-0040 Email: julieb@wwcot.com

Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Facility Building Assessments: A New Way to Go Green!

Description: We like new! The feel of a new school complete with a lot of the latest gadgets and "stuff". We don't like "old" because most of the time old is due to lack of attention and less investment in the "cool stuff." Is building a new school really the right answer, though? Would it be better to consider a green alternative to renovating and reusing rather than relocating and building new? Working with DSA's CAPF, this session is intended to highlight why utilizing building assessments is a tool to measure a facilities utilization and long term life expectancy versus building a new facility.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1 or 1.5 hours

Interested In Moderating: Yes

Submitted by: Julie Barrett
WWCOT
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Achieving Grid Neutral or Zero Net Energy School Design in California

Description: The Division of the State Architect is recommending that all new schools in California be grid neutral. This presentation examines whether or not grid neutrality or net zero performance can be achieved and what the implications are for energy efficient design. As a case study, a detailed energy analysis of a new K-12 school located in Southern California has been carried out. The school which has been used for this investigation is LAUSD #12, a recently constructed elementary school located in the San Fernando Valley and designed to meet the District's CHPS goals. The software program, eQuest, a whole building energy simulation software program, has been the primary analysis tool used for this purpose.

The key questions examined during this session will be:

1. How is grid neutrality quantified? How do the impacts of this definition differ from similar benchmarks such as net zero site, net zero source, net zero cost and net zero carbon?
2. What is the typical energy consumption profile at K-12 schools?
3. What design and technologies measures make sense to achieve grid neutrality? How do they change the energy consumption of a school building?

The new school has been modeled three dimensionally to demonstrate the typical implications of going beyond a typical LEED or CHPS design to achieve grid neutrality.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1.5 hours

Interested In Moderating: Yes

Submitted by: John Dale
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Linking College and Career through Funding & Design

Description: By combining demanding Career and Technical Education with challenging academics, multiple pathways motivate students to stay in school and achieve to higher levels. Learn how to combine funding for capital outlay, innovative architecture and creative program design to produce effective high schools. Workshop draws on examples from several districts partnering with industry and community stakeholders.

Objective:

- Ways to create the pathways model—challenging programs of study that connect academics with professional and technical education tied to California industries
- Accessing funding sources including Federal stimulus package, Perkins, Title One, in combination with Bond money to promote exciting, pragmatic improvements.

Highlights:

- Understanding how to connect funding and program design to capital initiatives for district
- Directing high school educational planning outward and linking to local community, industry and nonprofits to promote exciting, pragmatic improvements
- Creating approaches that make CTE an integral part of the larger high school experience

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1.5 hours

Interested In Moderating: Yes

Submitted by: Rachel Del Fierro
BCA Architects
210 Hammond Avenue
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Watch out for the Deep End ... A New Approach for a Competition Pool Complex

Description: The purpose of this workshop is to inform school district facility personnel and architects about Myrtha pools. A DSA approved modular stainless steel design that can be used for renovation of older pools and construction of new pools in California. Learn about the life cycle benefits and enhanced construction time lines compared to other traditional pool construction activities.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1 or 1.5 hours

Interested In Moderating: Yes

Submitted by: Dave Doomey
David A. Doomey & Associates
83 Laurelhurst
Ladera Ranch, CA 92694-0204
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Sustainable Design and Construction

Description: Design and construction through close-out of LEED certified insulated concrete. Presented by Lelsly Miles, Westin Miles Architects

Submitted as: Workshop: Roundtable: Clinic:

Length: 1.5 hours

Interested In Moderating: Yes

Submitted by: Michelle Feldman
Pencon Inc.
3201 Doolan Road #201
Livermore, CA 94551-9605
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: ADA/CBC Disabled Access Issues for School Designers

Description: The latest scoop on disabled access compliance codes and issues, including what's new and how to avoid costly delays at DSA, followed by an always-lively Q&A session. California Architects who attend and identify themselves will receive a one-hour continuing education credit (including completed form and certificate mailed after the conference) valid towards the CA Architect's Board requirement for license renewal.

Submitted as: Workshop: Roundtable: Clinic:

Length: any

Interested In Moderating: Yes

Submitted by: James Fruit
Sally Swanson Architects Inc.
490 Post Street Ste. 830

Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Incorporating Sustainable Design Principals Responsively Into Your Next School Development Project

Description: Yes, your next School master plan, new construction or modernization project should be sustainable, it's good for the environment and good for people, however every "green" product that is on the market or sustainable design concept proposed may not be appropriate for the project that is being developed. As a matter of fact, a recent survey has shown that many of the certified sustainable projects that have been recently built could be performing worse than non-sustainable projects. This workshop will allow CASH conference attendees to understand how to responsibly develop and maintain your next sustainable project with fewer headaches and less liability.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1 or 1.5 hours

Interested In Moderating: Yes

Submitted by: Mark Graham
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Leveraging your Facilities to Improve Educational Quality

Description: The statewide budget crisis puts added pressure on ensuring the public gets the most value from its investment to improve or construct new school facilities. Leverage your capital program dollars to deliver facilities that advance innovative teaching methods. Examples from several recent school programs in California will be used to demonstrate how current technology, sustainability and the need to re-establish schools as centers of community can be translated into facilities that improve student learning, safety and security.

Topics

*Educational Technology – Beyond providing equipment; technology to support collaboration, interaction and creativity.

*Safety and Security – Providing a safe and secure place for students to excel.

*Schools as Centers of Community – Involving the community in the planning process, finding community partners, leveraging

relationships with business to provide mentorships, career paths and financial support.

*Sustainability – Modeling environmental stewardship, teaching citizenship by demonstrating care for the environment,

connecting the classroom to the world.

*Redefining the classroom – Supporting innovative teaching by providing agile and adaptable learning environments, including outdoor learning

environments, responsiveness to diverse learning needs.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1.5 hours

Interested In Moderating: Yes

Submitted by: Julia Hawkinson

Parsons

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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: CHPS Realistically! Is It Really as Simple as "They" Make It Sound?

Description: What to expect in your first CHPS project. We explore the real costs, what to expect in planning and design, maintenance and real challenges in pursuing the green route.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1 hour

Interested In Moderating: Yes

Submitted by: Marcus Hibser

Hibser Yamauchi Architects Inc.

300 27th Street 2nd Floor

Oakland, CA 94612-3124

Phone: (510) 446-2222 Email: mhibser@hy-arch.com

Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: How to Make Sure Your A/E Consultants are Doing Their Job

Description: Hear from the horse's mouth as to how district staff can check for a well-coordinated set of construction drawings. Using a case-study of Dover Elementary School that went into bid during the 2009 economic climate, we explore the importance of a good set of construction documents.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1 hour

Interested In Moderating: Yes

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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: State of the Art Mechanical Systems

Description: Natural ventilation, heat recovery systems, integrated control system are changing the way classrooms are conditioned, in a sustainable way. The old BARD units are history, and districts will need to understand the implications of the new systems.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1 hour

Interested In Moderating: Yes

Submitted by: Marcus Hibser
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Supersize the Technology In Your Classrooms!

Description: New technologies that every school district should be aware of!! We explore systems and technologies that are available to campuses to facilitate learning, teaching, ease of maintenance, cost-effectiveness etc. i.e.: Wireless systems, SmartBoards, Card Access, Implications on furniture systems etc.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1 hour

Interested In Moderating: Yes

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Hibser Yamauchi Architects Inc.
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Thinking beyond the NOW - Flexible Designs for Years Down the Road

Description: How to plan and design a successful campus that can withstand changes in educational programs, with users and facility folks constantly changing. We address way to incorporate flexibility in classrooms and elective spaces, accountability of design decisions, how to design for the present, yet prepare for the future technological advances.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1 hour

Interested In Moderating: Yes

Submitted by: Marcus Hibser
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: What does the future look like? - Imagining 21st Century Learning Environments and the future of California Schools.

Description: In a down economy, with declining enrollment and a slowed infusion of capital dollars, districts can “afford” to take a breath and create a vision for the next generation of California schools. Join us as we escape the difficulties of the current fiscal crisis and become inspired by what the future holds. The seminar will follow a school district process for needs assessment, inspiration, visioning and ultimately how they prepare for implementation.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length:

Interested In Moderating: Yes

Submitted by: Laura Knauss
Lionakis
1919 19th Street
Sacramento, CA 95811-6714
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: San Francisco Unified School District's Sustainable Projects: Abraham Lincoln High School and McLaren Child Development Center

Description: Presentation of CHPS projects one which will have just completed construction: Abraham Lincoln High School and McLaren Child Development Center which is in construction - discussion of implemented sustainable design strategies with additional information on SUDS programs by SFUSD Sustainability Director.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1 hour

Interested In Moderating: Yes

Submitted by: Toby Levy
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San Francisco, CA 94107-1807
Phone: (415) 777-0561 Email: toby@levydesignpartners.com

Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: It Isn't Always Easy Being Green

Description: Designing and constructing sustainable projects offers substantial rewards, but can also lead to additional liability for all involved. Listen as an attorney, a construction insurance broker, an architect and a contractor identify crucial issues from their perspectives and provide tips for avoiding related claims. All panel members except the insurance broker will be LEED-accredited professionals.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1.5 hours

Interested In Moderating: Yes

Submitted by: Cheri Love
PubliConstructionLaw
P.O. Box 3084
Monterey, CA 93942-3084
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: K-12 Interactive Learning Environments – Bringing Technology to the Students, not just the Classroom!!

Description: When a first grader arrives at school they most likely have been on a computer for several years. Middle and High Schoolers use less technology in schools than in their personal lives. How do we integrate technology into the built environment to prepare students for the world of tomorrow?

Technology in school design generally brings to mind “how do we wire for the future”. We must go well beyond this mind set to incorporate technology into educational curriculum and folding all of these into the educational and facility specifications of modernized and new educational buildings.

This interactive clinic will concentrate on the issues of reaching today’s generation of students through the use of the latest technologies in education delivered at all grade levels, while addressing real issues such as budgets and equipment obsolescence.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1.5 hours

Interested In Moderating: Yes

Submitted by: Kevin MacQuarrie
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: School Needs Become Community Assets

Description: Calistoga Unified School District has a goal to draw strong families to their school district. AS the catalyst, they have hired ELS to plan and design a new gymnasium, student union/dinning hall, performing arts theater and classrooms. While the facilities with benefit the school curriculum, they will also provide much needed community venues for after school recreation programs in the gym, causal (jazz café type) performances and public meetings in the Student Union and community and regional performances in the Theater. Through a series of community workshops, ELS and CUSD formed a program and design that accommodates these goals in a cost efficient way, by designing the buildings, centered around a new campus "heart," to have the flexibility to serve dual and triple users. This was important to provide broad appeal for the upcoming bond to pass.

Submitted as: Workshop: Roundtable: Clinic:

Length: 1 hour

Interested In Moderating: Yes

Submitted by: Clarence Mamuyac
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Exploring the Escondido Learning Centers

Description: The Escondido Learning Centers at Escondido High School, Orange Glen High School, and San Pasqual High School were developed as part of a collaborative design process including members from the architectural team, District personnel, and high school faculty to provide learning sanctuaries for At-Risk, Independent Study, and Accelerated Education students. During this process it was determined that flexibility would play a key role in the design of the three Learning Centers so that each facility will have the ability to adapt in support of changing student needs. In addition to the educational programs that will be offered at the Learning Centers, students will also be provided with counseling, guidance services, and college and career planning. The intent of the Learning Centers is to convey to students the value in education and within themselves.

While each of the Learning Centers will be located within a separate campus, they have all been designed based on identical requirements. Intended for before, during, and after school use, the buildings will feature both campus and street side entrances to provide easy access throughout the day. Each center, occupying approximately 5,400 square feet, will be located on the campus perimeter with easy access to parking.

Per instruction period, each learning center will support 30-37 students for credit recovery, 2-3 students for independent study, and 5-10 students for extended independent study. Small groupings will allow students to work independently at the computers and will allow them one-on-one time with their teachers. Specific subjects that will be taught at the centers include English, math, social science, science, foreign language, health, and those electives that will have the ability to be supported in the learning center environment.

The Escondido Learning Centers will play a major role in the success of Escondido's high school students from varying educational paths, whether they are underperforming in the traditional educational environment or are seeking their diploma on a fast track schedule. Designed with flexibility in mind, the Centers will continue to grow and evolve with the students in the years to come, ensuring that they are met with a facility to support all of their academic needs.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1 hour

Interested In Moderating: Yes

Submitted by: Richard Nowicki
NTD Architecture
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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: BIM: Not Just Another Three Letter Word

Description: Building Information Modeling...no longer just another dirty three letter word, BIM finally takes its rightful place in our every day vocabulary.

This session is aimed at illustrating the success that the Architectural and Engineering team can achieve together through the utilization of BIM on your K-12 projects, including the many benefits to your districts found in this now industry standard software.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1.5 hours

Interested In Moderating: Yes

Submitted by: Robert Simons

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Strands Submitted to: FM: HP: MO: P: SA: SC:

Title: Failing to Plan is Planning to Fail – Planning and Designing for Construction at Occupied Schools

Description: This workshop will explore the planning, design, and construction administration required to successfully accomplish an addition or major remodeling project on an occupied school site. The workshop will examine a project at John Glenn High School in Norwalk-La Mirada Unified School District as a case study as well as other projects from around the country to identify successful strategies for delivering projects while school is in session on site. Techniques, checklists, and other communication tools that facilitate construction activity and student and staff safety while maintaining effective learning environments will be discussed. Participants will come away with knowledge of tools and techniques they can use when planning their next design and construction project at an occupied school.

Submitted as: **Workshop:** **Roundtable:** **Clinic:**

Length: 1 hour

Interested In Moderating: Yes

Submitted by: Greg Stack

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Strands Submitted to: FM: HP: MO: P: SA: SC:
