



APRIL'S PROGRAM THE NEW ARCHITECTURAL WOODWORK STANDARDS

On October 1, 2009, Architectural Woodwork Standards officially replaced Woodwork Institute's Manual of Millwork. Due to its joint publication, there are changes that you should know about. Please join us for a presentation from the Woodwork Institute covering the following material:

- A brief history of architectural woodwork quality standards
 - The Manual of Millwork
 - Quality Standards Illustrated
 - Woodwork Organizations: WI, AWI, and AWMAC
- Architectural Woodwork Standards (AWS)
 - The new quality standard for all of North America
 - A collaboration of AWI, AWMAC, and WI
- What is in the AWS?
 - Objective, measurable standards for all types of architectural millwork
 - How the AWS is organized
- Comparison of AWS and Manual of Millwork
 - Distinct enhancements of AWS
- How to use the AWS in your specifications
 - Quality Assurance programs based on the AWS
 - Woodwork Institute
 - Certified Compliance
 - Monitored Compliance
 - AWI: Quality Assurance Program
- Other services provided by Woodwork Institute
 - Design Consultation
 - Guide specifications and consultation
- Wood: A Renewable Material
 - Selecting and specifying wood and veneer
- An overview of standards for doors, panel products, case work, and countertops

WHEN: Thursday, April 1st, 2010

COST: No host bar, dinner is \$32.00 including gratuity and tax.

LOCATION: Biltmore Hotel and Suites
2151 Laurelwood Road, Santa Clara
(Montague Expressway & 101)

RSVP: Please make your reservations to Krista Nelson with choice of meal by noon on Tuesday, March 30th.
email: krista@aba-arch.com
phone: (408) 535-2935

TIMES: Board Meeting: 5:00 p.m.
Social Hour: 6:00 p.m.
Dinner: 7:00 p.m.
Program: 8:00 p.m.

Guests are welcome • No-shows will be billed

MENU: Tossed salad; breaded chicken breast sautéed and served with couscous, spinach, mushrooms, feta cheese and red pepper sauce; wine; dessert, coffee or tea.

OR

Tossed salad; ravioli stuffed with shiitake mushrooms on a bed of marinara sauce with vegetables; wine; dessert, coffee or tea.

CONTINUING EDUCATION:

This program meets CSI/CEN and AIA/CES criteria. Participants will receive 0.1 hours of Continuing Education Units (CEUs) and 1 hour of LUS/HSW (learning units).



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PRESIDENT'S MESSAGE

BY HANNAH MOYER, CSI CDT AIA LEED

This month my message is going to be a potpourri of many things, as my brain is foggy at the moment from a head cold. Hope you all are staying healthy (and dry) during this odd weather we're having.

For those of you who missed last month's evening program, you really missed out. The speaker, Dr. Konstantinos Papamichael, is a professor at UC Davis and a co-director of the California Lighting Technology Center at UC Davis. He gave a presentation on Photo-Responsive Controls for Daylight Harvesting, a one-hour version of the three-hour presentation he'll be giving at the Lightfair International convention in Las Vegas in May. Not only was the information interesting, but Dr. Papamichael was entertaining. I was actually able to take something that I learned and apply it at work the very next day. Isn't that the goal of all programs? Thank you Programs Committee for putting on another successful program.

Speaking of Programs Committee, late in February I had the pleasure of sitting in on a Programs Committee brainstorming session, where we had nine people participating. During all my years of involvement with the chapter, this was a record turnout. Did I mention there were nine people, for a chapter of 88?! With that number, there's a guarantee we'll be having some great programs in the next year. The Committee always welcomes program suggestions. Better yet, if you're interested in joining the next brainstorming session, be sure to let Chair Kevin Norman know. He can be reached at knorman@des-ae.com.

If you haven't heard the news already, Bob Mosblech, CSI, CTC from our neighbor up north, CSI's San Francisco Chapter, will be elevated to Fellow this year. If you don't already know Bob, be sure to introduce yourself the next time you attend a San Francisco chapter meeting. Not only does he know a lot about

PRESIDENT • cont'd on pg 11



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CSI ONLINE

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Barbara Brosh, CSI and
Jeff Cremona, CSI hosting
the Otis Elevator Tabletop
at the March Meeting



MINUTES OF THE BOARD MEETING

CSI, Santa Clara Valley
(Draft, Board Approval Pending)
Place: Biltmore Hotel, Santa Clara
Date: March 4, 2010

Opening

The meeting was called to order by Chapter President Hannah Moyer at 5:01 p.m.

Attendees

Board Members

Hannah Moyer, CSI, CDT, AIA, LEED, President; Jim Morelan, CSI, AIA, Vice President; Marvin Bamburg, AIA, CSI, Treasurer; Maia Gendreau, AIA, CSI, CDT, Secretary; Rietta McCain, CSI, CCCA, AIA, Professional Director; Kevin Norman, CSI, AIA, LEED, Professional Director

Region Director

Julie Brown, CSI, SCIP, CCS

Members

Nancy Rhea, CSI

Minutes

The minutes of the February meeting were reviewed by those present. The minutes are approved as distributed.

Treasurer's Report

The new card reader is here, all the payments for last month's meeting need the security code for processing.

We will try to collect this information tonight.

Many of the responses for the 50th Anniversary Celebration do not have the security code for credit card payment, and follow up is being done by telephone.

The Treasurer's report is distributed.

Report is filed for annual review.

A new expense form with updated IRS rates is distributed for use.

Region Report

The Speak Out is tomorrow, March 5 at the Oakland Hilton. The Mid-Year Meeting is March 6.

The agenda has been published for the Mid-Year Meeting. Subjects under discussion include Northern and Southern California leadership training, West Region website, financial support of students at Cal Poly Pomona, and future West Region Conference dates. Hannah and Julie are planning to attend.

President's Report

March 15 is the deadline for Region Committee Chair nominations.

Unfinished Business

The Nominating Committee selected candidates and produced the ballot.

The Board accepts the nominees and the ballots will be mailed out to the membership.

Board approval for payment for the 50th anniversary is not necessary.

New Business

July Meeting: the date of the July meeting currently would be July 1, the holiday is Monday, July 5. The Board agrees the date should stand for the regularly scheduled meeting.

Marble Draw Winnings: the Board discusses limiting the marble draw winnings. A motion is made to limit the marble draw award to February's winning amount. When this winning is awarded, the future winning amount would be capped to \$1000, and the extra funds would then accumulate toward a future marble draw award. The motion is amended to include limiting the quantity of marbles. The motion and the amendment are seconded. Motion carried.

Dave Falk, our newest member, has offered to make a donation of 12 gifts for speakers. The Board agrees that we can graciously accept the gift. Dave Falk has also generously offered to make a plaque for the 50th Anniversary.

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MINUTES • from pg 4**Committee Reports****Membership**

Rose is not here tonight. We currently have 88 total members of which 62 are home chapter members. Steven Chee was working on the badge box. We are missing about 30 badges for current members. Julie comments that typically a sign-up sheet for badges is used. This method will be used again.

Education Seminar

We have been advertising but have no sign-ups yet.

Programs/Technical

Programs committee had a great turnout for the meeting, lots of ideas were generated. Tonight's meeting is Top 10 Framing Errors. April is AWS standards. May will be trouble shooting cracking and moisture in cement plaster.

Continuing Education

Tonight is registered; and both the educational seminars are registered.

Greeter/Raffle

Nancy Rhea volunteers to assist with raffle tickets this evening. The raffle winnings will be capped at \$1,768.

Annual Roster: Chair seat open.

Editor

Deadline is Wednesday, March 10th, at noon.

Historian: No report.

Awards: No report.

Website

The website is up but there is a problem with the webmaster's email.

Operating/House

We have 24 attendees tonight.

Toys-for-Tots: No report.

Marketing Committee

We have a volunteer to assist with Marketing.

Operating Guide Task Team

The Operating Guide has been published.

50th Anniversary Task Team (2010)

Due to the number of people in the smaller room, the cut off is 50 people. Previously the room capacity was 120 people and we had under 50. The room has very nice features and will make for a very nice venue.

Fully a third of the reservations came after the cut-off date. March 12th is the deadline for the final head count for the hotel.

The event appears that it will be profitable.

Announcements

Joe Cota has informed the Board that he has some schedule conflicts that will impact his ability to be on the Board. The Board will wait for further information from Joe next month.

Closing

The meeting was adjourned by Hannah Moyer at 6:01 p.m. ♥

**PLANNING
CALENDAR****CHAPTER MEETINGS**

APRIL 1	ARCHITECTURAL WOODWORK STANDARDS
MAY 6	CRACKING AND MOISTURE ISSUES IN CEMENT PLASTER
JUNE 3	AWARDS DINNER
JULY 1	TBD

PLAN AHEAD**CSI Annual Convention:**

Construct 2010
May 11-14, 2010
Philadelphia, PA

West Region Conference:

"Forces for Change"
Sept 30 - Oct 3, 2010
Yosemite, CA

Barbara Brosh

Project Manager
Western Region

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David Willis, CSI CDT
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It is that time again for me to do my best to pass on a few things, because as you know, I am a man of few words. It is my sincerest wish that the new year has brought some prosperity to you all. This economy has had so many bumps in the road, it is time to straighten it out.

I hope that you all have exercised your right to vote in the current CSI elections. You will probably not read this until after the election deadline, but it is my hope that you made your favorite choices for the next few years. I want to thank all those who voted

for myself as well as all the other well qualified members on the ballot.

I finally had a little time to look through some of my past Construction Specifier Magazines. In the October issue of 2009, I found a subject close to my heart, "Structural Masonry Done Right." For those of you that are sometime skeptical about designing with structural concrete masonry, you might want to take a look. There are some great tips on specifying concrete masonry, mortars and grouts. The author, Diane Throop, is the International Masonry Institute's director of engineering with 30 years of experience in engineering and construction, mostly in masonry. She can be reached at dthroop@imiweb.org.

As co-chair for the upcoming West Region Conference at the Tenaya Lodge at Yosemite, I can tell you that the committee is on schedule with conference planning. We have been notified that rain or shine, the Friday Dinner and Logger train ride will take place. The Chapter challenge will prove to be an interesting test of navigation, and building skill. I am not going to tell you what it is. You will just have to show up to find out.

You might read this prior to the Mid Year meeting in Oakland. I

hope you have sent your wishes and concerns along with your chapter's representative. We will again be fighting the budget. I believe that Eric will get this posted to the West Region website prior to the meeting.

I am planning to visit three more Chapters at their dinner meetings prior to the new CSI year including Redwood Empire, San Francisco, and East Bay Oakland. I will be attending the Santa Clara Valley Chapters 50th anniversary on March 20. Congratulations to all the SCV chapter members. There is going to be a special meeting in Reno on March 4 just prior to the Mid Year meeting. This will be a speak out meeting to discuss future programming and ideas. I am hoping all Reno members will be able to attend. Duane Johnson plans to be there to add his support as I would like to do, but I have a conflict that cannot be changed.

I wish you all a prosperous spring and hope to see you soon at a chapter meeting or the West Region Conference in the fall. ♡



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BUCHNOTES: MASTERWORKS OF TECHNOLOGY

BY EDMUND BUCH, CSI CCS AIA

If you had to identify one connection between the great pyramids of Egypt, Chartres Cathedral, the steam engine, the telegraph, the Apollo space exploration program and the Boeing 777, what would it be? The author, E. E. Lewis, former chair of the Department of Mechanical Engineering at Northwestern University, writes in his book, "Masterworks of Technology," the thread linking these diverse objects is technological innovation. This innovation has always originated in the same way: there existed a need for something new, or a need to do something better, and there was an inventive mind present to create the object or improve an existing one. Lewis uses a diverse and highly illustrative series of examples to depict the nearly continuous stream of technological innovation that has lead from elementary, utilitarian devices of antiquity to the highly sophisticated world we enjoy today. In the process he has compiled an informative history of technology.

Engineers, or more precisely, the problem solving thought process used by engineers, has always been at the heart of technological development. Until Galileo's era, nearly all advances

in technology were the result of trial and error, hands-on "tinkering" by artisans, builders, and anonymous engineers. Improvements in design were fragmented and evolutionary.

With the advances in scientific thought starting in the Renaissance, and with Galileo in particular, technology became more grounded in science, mathematics, and the scientific method: detailed observations, direct experimentation, and careful measurements. As a result, technology advanced at an increasingly faster pace to where today its benefits are felt in nearly everything we do. Engineering evolved as the bridge between basic science and technology.

Another important factor in the increased pace of technological development that began in the Renaissance was the transition to a commercial society. The growth in commerce provided funds for technological development which in turn made commerce more productive, and more profitable, resulting in more money available for technological research and development.

BUCHNOTES • cont'd on pg 10



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CHEVRONS FOR SALE

For those of you that have reached the prestigious point in your CSI membership where you have been a member for more than 10 years, 20 years, or 30 years, the CSI chevrons are available. They are \$10.00 each, which includes the hard costs and shipping costs at the time they were purchased.



Contact Julie Brown if you are interested in purchasing a chevron. She can be reached at (408) 778-0633 or julie@jkb specs.com.

CHAPTER EMAIL NOTICES



Make sure you are receiving all the latest news and announcements from the Chapter by updating your email spam filters or safe lists to include:

krista@aba-arch.com
webmaster@csiscv.org

This will help to ensure that you get all communications about upcoming events.

TRAVELOGUE: PART 2 CATHEDRALS AND CHURCHES

BY SHELDON WOLFE, RA FCSI CCS CCCS



Santi Vincenzo e Anastasio



We ended the first part of this travelogue at the Basilica di Santa Maria del Fiore, the cathedral church of Florence, Italy. As noted, it is one of the more recognizable churches of the world, thanks to its white, green, and red marble exterior. As we moved on to Rome, we expected to see more remarkable churches, and we weren't disappointed.

Due to the short time we had to plan the trip, we weren't able to do much research about the cities we visited, so we entered Rome with only a couple of specific goals, the Coliseum and the Pantheon. It might surprise you to know that our itinerary did not include St. Peter's or the Sistine Chapel.

Because we wanted to see a lot, we intentionally omitted many popular places from our itinerary, as we didn't want to spend a lot of time waiting to get tickets, waiting to get in, and getting trapped in crowds. Instead, we spent the afternoon of our first day in Rome leisurely touring the Coliseum and enjoying a pleasant dinner just a block away.

We started our second day with a visit to the Basilica di Santa Maria Maggiore, conveniently located just across the street from our bed &

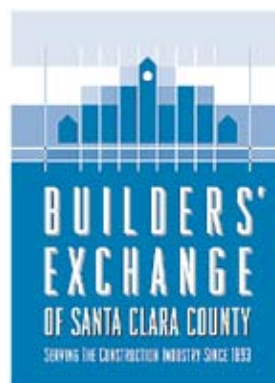
breakfast. Even though it is one of the four major basilicas of Rome, and considered one of Rome's most beautiful churches, it probably is overlooked by many visitors due to its distance from better known landmarks. The core of the building dates back to the fifth century, but much of the surrounding structure was constructed or updated in 14th through 17th centuries. Even after the wonders of Florence, the interior was amazing, with scintillating mosaics, intricately carved marble columns, coffered ceilings, and a series of chapels off each side of the nave, each of which would serve admirably as the main altar of a more ordinary church.

We next took a tour of the city on a double-decker bus, where we were fortunate to get seats on the upper level. Yes, it is touristy, but it's a good way to get a relatively quick idea of where to find some of a city's major attractions. We got off the bus near the Trevi Fountain and headed for the Pantheon. Being in the home of the Roman Catholic Church, we expected to find a number of churches, and along the way to the Pantheon, it seemed we found yet another church every block or two.

TRAVELOGUE • cont'd on pg 9



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TRAVELOGUE • from pg 8

We soon found Santi Vincenzo e Anastasio a Trevi. Despite the imposing collection of eighteen Corinthian columns surrounding its immense door, the front is fairly plain, especially in the presence of the Trevi Fountain, which it faces. Relatively small, I suspect this church is often overlooked; we found it by accident while trying to get a good picture of the fountain. I noticed the door was open, so in typical tourist manner I walked inside. Built in the mid-seventeenth century, the baroque interior is beautifully lit by clerestory windows. Near the entry is a twentieth-century interpretation of the collection of votive candles found in many Roman Catholic churches - a brass box with forty-five artificial candles, each with an electric bulb and corresponding switch. Also in this church, though we did not know it at the time, are the hearts and other viscera of twenty-five popes. Maybe we'll look for those the next time we're in Rome.

Our next stop was Sant'Ignazio Di Loyola, another baroque church built in the seventeenth century. Much larger than Santi Vincenzo e Anastasio, the interior is stunning; no surface was left untouched by some form of decoration - marble columns in countless colors, some looking like corkscrews; inlaid marble floors; intricate altars and ornaments; and magnificent frescoes that visually extend the walls through an apparently infinite heaven above. It is said that nearby residents prevented the architect from placing a dome over the crossing, as it would have created too much shade. The response was an interesting tromp l'oeil dome, which is quite convincing from near the center of the nave.

Just two blocks from the Pantheon is Santa Maria Sopra Minerva, reportedly the only gothic church in Rome. The exterior is so plain and simple that it doesn't look at all like a church, but the interior, though less ornamented than the baroque churches, is achingly beautiful. Rich marble columns and walls are a backdrop for ornate altars, and stained glass windows provide additional color. Gold arches spring from the tops of the columns, outlining a ceiling of intense blue with a few simple paintings and countless gold stars. Unfortunately, we arrived just before a wedding, so we were unable to see much of the church, and because I refrained from using a flash, I didn't get any good pictures. The body of St. Catherine of Siena is buried here - but not the head, which was spirited away to be entombed in Siena.

Our last stop in Rome is the Pantheon, one of the most popular destinations in Rome. Built in its current form about 125 AD, it originally was a temple for all gods, becoming a Christian church in 609. With an interior diameter of 142 feet, it was the largest dome of any kind for 1,300 years, and remains the largest

unreinforced concrete dome. The structure itself is the main attraction of this building. The coffered ceiling overwhelms the few altars and tombs that were added later, and the enormous, twenty-ton bronze doors look just the right size for the portico. This is a building that truly must be seen to be appreciated, as its spherical shape makes the interior essentially unphotographable. ♡



Sant'Ignazio Di Loyola



CSI INSTITUTE ELECTION RESULTS

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Office of West Region Vice
President:

David Alan Willis, CSI, CDT,
CCCM

BUCHNOTES • from pg 7

Very few drawings existed before the time of Leonardo da Vinci in the 15th century. His drawings and those by other artist/engineers of the era were the first time drawings were used as a visualization tool in the development of technology. Pictorial perspective, codified by Leon Battista Alberti in 1425, was one of the most significant contributions to technology made during the Renaissance. By the 18th century, detailed, scaled engineering drawings were in used routinely and became an absolutely critical element in the development of increasingly complex technology.

The book begins with a presentation on the construction of the pyramids in 2800 BC, and hop scotches through history. Along the way, the book includes a description of the evolution of architectural/structural

design from the relatively “heavy and short” churches of the Romanesque era to the “tall and light” Gothic cathedrals exemplified by the cathedral at Chartres. Also included are the 9th century evolution of waterwheels from undershot type, developed by the Romans, to the more efficient overshot design, and the evolution of the 18th Century steam engine from the Newcomen design to the much more efficient engine developed by the Englishman James Watt. The book concludes with the engineering advances used in the Apollo lunar missions and the development of the Boeing 777.

Lewis pays particular attention to the technological and engineering genius of Galileo Galilei, 1564-1642. Galileo’s investigations into the science of motion are better known than

BUCHNOTES • cont’d on pg 11

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PRESIDENT • from pg 2

ceramic tiles, but he knows a lot about CSI. The honor couldn't have been bestowed to a more deserving individual.

In Southern California, the Cal Poly CSI Student Affiliate will be hosting their 13th Annual Construction Sciences Forum on Wednesday, April 7th. The theme will be "Speculating the Future," addressing specifications writing for a constantly evolving design and construction industry. It's a one day event, with a keynote lecture, a product and firm show, and topped off with a professional-student dinner and roundtable discussion.

I was fortunate enough to attend the West Region's Mid-Year Board meeting last week in Oakland, and got to eavesdrop on a few tidbits. I saw a sneak peak of the proposed new CSINet website, and it's looking great! It's very fresh-looking and I think it's a definite improvement. The annual budget was reviewed, and I'm happy to say, the process was even more complicated than our chapter's, to my relief. Still, it looks like the Board has

a strong handle on their budget. Kerin Dodd-Hansen, FCSI, Chair for the West Region Education and Academic Programs Committee, gave a report on the status of the academic outreach program, which had me thinking about how our chapter can better reach out to all the wonderful learning institutions in our neck of the woods. Mmmm, that sounds like another Task Team in the making.

I hope to see you all at the next month's evening program, addressing Architectural Woodwork. Have a great month.

Housekeeping Note: Look out for the chapter's ballot that you should have all received by now. Please return them to Maia Gendreau, signed, no later than Monday, March 29, 2010. We want to be sure we hear the voices of all of our members. ♡

**BUCHNOTES • from pg 10**

his research into the relationship between geometry and strength of materials. The latter forms the basis of structural engineering design we use today. The advances in structural engineering by the Scottish engineer, Thomas Telford in the late 18th century are presented along with other significant engineering developments of the 19th century. Most significant among these were the introduction of Portland Cement, concrete, iron, and steel as structural engineering materials.

"Masterworks of Technology" is a short book, only 325 pages, and very accessible to the non-technical reader. It was published in 2004 by Prometheus Books and would be enjoyable for anyone interested in the relationship between technology, engineering, and society as a whole. ♡

Judy Coyle and Jerry Willis, CSI at the March Chapter Meeting



SANTA CLARA VALLEY CHAPTER OF
THE CONSTRUCTION SPECIFICATIONS INSTITUTE
presents a two seminar series:

Introduction to Specifications & Project Delivery Methods: Effects on Specifications

Dates: **Introduction to Specifications:** Friday, April 30, 2010, 9:00 a.m. to 5:00 p.m.

Project Delivery Methods: Friday, May 14, 2010, 9:00 a.m. to 1:00 p.m.

Location: XL Construction
 851 Buckeye Court
 Milpitas, CA 95035

**Continuing
Education:**



These programs meet CSI/CEN and AIA/CES criteria for Continuing Education.
Participants will receive the following credits:

Introduction to Specifications:

0.7 CSI CEN Continuing Education Units
7.0 AIA Learning Units

Project Delivery Methods:

0.40 CSI CEN Continuing Education Units
4.0 AIA Learning Units

Instructor – John R. Guill, AIA, CSI, CCS, CCCA, SCIP

John R. Guill AIA, CSI, CCS, CCCA, SCIP is Director of Construction Technology for AXIA Architects in Santa Rosa, CA, specializing in Construction Contract Administration, Specifications, Bidding and Quality Control. He has over twenty-five years experience in a wide variety of educational, institutional and industrial facilities for local, state and Federal government agencies as well as corporate and private clients.

Since 2000, Mr. Guill has served on the faculty of Sonoma State University, where he teaches Construction Contract Administration and Construction Specifying in the School of Extended Education's Construction Management Program. He is a regular presenter of continuing education programs on construction-related topics and has received a number of awards and recognitions for architecture, construction specifications and industry education, including honors by Construction Specifications Institute (CSI), the American Institute of Architects (AIA) and the Coalition for Adequate School Housing (CASH).

Introduction to Specifications

8:30 a.m. to 9 a.m.Registration and Snacks

9 a.m. to 5 p.m.Seminar & Question/Answer
 Lunch provided

Construction specifications are an essential part of Contract Documentation. Learn how to specify appropriate quality, enforce your design intent, how to coordinate specifications with drawings, hints, tips, tricks and key language for preparing professional specifications. Tour the CSI formats and understand the use and preparation of Master Guide Specifications and the process of preparing a Project Manual.

**Project Delivery Methods:
Effects on Specifications**

8:30 to 9 a.m.Registration and Snacks

9 a.m. to 1 p.m.Seminar, no lunch

Construction specifications for different or non-traditional Project Delivery methods can require use of specialized documents and highly customized administrative procedures. Learn about various Product Delivery methods, how the roles of the parties vary between methods, what contract types are available for use and how to craft specifications and administrative procedures appropriate to the contract type and delivery method.

Mail in registration information below with payment today

Pay in advance or at the door. Checks payable to: "CSI – Santa Clara Valley"

Introduction to Specifications: Friday, April 30, 2010, 9:00 a.m. to 5:00 p.m.

Project Delivery Methods: Friday, May 14, 2010, 9:00 a.m. to 1:00 p.m.

Registrant: _____

Company Name: _____

Complete Address: _____

Email Address: _____

Phone: _____ Fax: _____

I authorize the CSI to charge my credit card in the amount
of: \$ _____.

Cardholder's Name: _____

Credit Card # _____

Exp. Date _____ MC Visa

Signature: _____

Registration Fee:

Introduction to Specs:**\$135.00**

Project Delivery Methods:**\$75.00**

Both Seminars:**\$190.00**

Sorry, no refunds for no-shows.

Send registration & payment to:

CSI Santa Clara Valley

1176 Lincoln Avenue

San Jose, CA 95125

Email: maia@mba-architects.net

QUESTIONS? Call 408-297-0288

**Attach a list of additional attendees with email
addresses.**



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Are you ready to adopt and adapt ... or do you just plan to type faster?

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PART 1: BIM – Facts & Fictions

Speaker: David Morris, Director of Virtual Construction, EMCOR

- ✦ What BIM really is(n't)
- ✦ Interoperability Turf Wars – Why can't we all just get along?
- ✦ DataShapeShifting – What various forms is the model capable of taking?
- ✦ DataSharing – Paper is soooo last millennium. Gimme my 3D visor already!

PART 2: UCSD Sulpizio Family Cardiovascular Center Project Team Tells It Like It Is

A BIM Case Study Panel Discussion

- ✦ UCSD, Owner: A High-Performance Team – Responsibility, Trust & Respect
- ✦ RTKL, Architect: BIM Benefits ... and What We'd Do Differently
- ✦ DPR, General Contractor: BIM Benefits for Estimating, Scheduling & Site Management
- ✦ KPFF, Structural Engineer: Virtual Shop Drawings... Beyond Clash Detection
- ✦ University Mechanical, Major Sub: Fabrication & Materials Delivery

PART 3: Changing Times – A Time to Change

Dinner Program: "BIM and Integrated Project Delivery"

Speaker: Zigmund Rubel, AIA – Co-Author, AIACC IPD Guide

- ✦ This is really happening
- ✦ IPD – A Working Definition
- ✦ Commitment to Collaboration: Transparency, Contracts, Shared Risk & Reward
- ✦ Integration Tools: Making It Work Across the Table *and* Across the Wire
- ✦ The End Result: WIFM? ...as well as our community

DATE: THURSDAY, MARCH 25, 2010

SCHEDULE: 1:30-2:00 pm – Registration 5:00-6:00 pm – Networking/Technology Displays
2:00-5:00 pm – Seminar 6:00-7:30 pm – Dinner Program

LOCATION:



Courtyard San Diego Airport / Liberty Station

2592 Laning Road [Click here for map / directions.](#)

Point Loma area of San Diego (Phone: 619.221.1900)

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- Non-Members (payment received *prior to 3/15*): **\$30**
- Non-Members (payment received *on or after 3/15*): **\$40**

RSVP: **Call:** 619.401.6733 **or** toll-free 877.401.6733
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[CLICK HERE](#)
for **CREDIT CARD**
AUTHORIZATION FORM
and **FAX** to 619.593.9989.

OUT-OF-TOWN VISITORS: A block of hotel rooms has been reserved at **Courtyard San Diego Airport/ Liberty Station** (until March 15th) for the evening of Thursday, March 25th. The room rate is \$155 per night. For hotel reservations, call 619.221.1900 and reference block name "Construction Specifications Institute."



Free hotel shuttle bus service is available between the airport and Courtyard. Complimentary on-site parking.



David Morris has over 30 years of experience performing and directing all phases of piping and mechanical systems for Commercial, Hospitality, Industrial, and Power Generation construction. Current duties include improving BIM processes and sharing best detailing and virtual design practices for his company.

Mr. Morris brings a practical and commercial perspective to the use of technology in construction, which results from his involvement with several BIM and IPD related organizations: Director of the National BIM Standard, Deputy Director of the National CAD Standard, Vice-Chairman of the BuildingSmart Alliance Board of Directors. Director of the Quality of Life and Visualization, Simulation & Analysis Programs, Chairman of Associated General Contractors BIM Forum Subcontractors Subcommittee, Member of The Construction Users Round Table Process Transformation Committee, and Chairman of the AGC San Diego BIM committee.

UCSD Sulpizio Family Cardiovascular Center Project: In September 2007, UC San Diego Medical Center broke ground for the 128,000-square-foot Cardiovascular Center that includes an expansion of patient care areas of UCSD's Thornton Hospital. The sparkling four-story project will unify UCSD's ambulatory, clinical, and inpatient heart and stroke care in one convenient location with construction completion expected in late 2010, and open for patients in early 2011. The functional program includes more than 50 beds, four operating rooms, several laboratories, 60 offices and 20 examination rooms. At the same time, the emergency room at Thornton Hospital will be expanded. CVC website for more details: <http://health.ucsd.edu/heartcare/>

BIM Panel Discussion with CVC Project Team Members:

UCSD FD&C – Owner
DPR – General Contractor
RTKL – Architect of Record
KPFF – Structural Engineer of Record
University Mechanical – major sub-contractor



Zigmund Rubel is a founder at Aditazz, Inc. The company is exploring how to combine Design, Fabrication and on-site assembly technologies. Previously, he was a Principal at Anshen + Allen Architects and has over 20 years of experience on large and small scale healthcare projects. He was the 2007 President of the AIA San Francisco Chapter and is a Board member of the AIA California Council. Mr. Rubel has spoken throughout California and nationally on Integrated Project Delivery (IPD), Building Information Modeling implementation, sustainability for healthcare and Operating Room Design and Construction.

He led the IPD efforts at Anshen+Allen Architect's with the University of California San Francisco Mission Bay Hospital being delivered in a virtual IPD model. He was the Principal-In-Charge of the Kaiser Santa Clara Medical Center Replacement, Laguna Honda Replacement Hospital and two smaller Medical Office Buildings, all in the Bay Area of California.

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