



Published by ASPE San Diego Chapter #4

October 2019 Volume 17, Issue 10

MEETING AT A GLANCE

DATE: TUESDAY, OCTOBER 22, 2019

4:30 PM—Registration in the Lobby

5:00 PM-Site Tour Begins

6:00 PM—Dinner Registration at Hotel **6:30 PM**—Dinner Served/Program follows

SITE TOUR OF FUTURE OF SURGERY CENTER AND HYBRID OPERATING SUITE

SITE TOUR LOCATION:

Telemedicine Building at the end of Osler Ln, off of Gilman Dr. Parking available in the Osler Parking Structure on Gilman Dr. UCSD Campus Map

SITE TOUR HOSTS & DINNER SPEAKERS:

Mark Rowland & Rod Barker

UCSD Facilities Design & Construction and a Representative from Align Builders, Inc.

DINNER LOCATION:

Sheraton Hotel La Jolla

3299 Holiday Court, La Jolla, CA 92037

South of La Jolla Village Drive & West of I-5. Parking is available in the lower lot on the north side of the hotel.

Meal Choices: Chicken, Salmon or Vegetarian Plate

COST: Members & Guests - \$45/person Students (discount) - \$30/person

> Cancellations must be received by NOON on Monday, October 21st or no shows will be billed.

RSVP:

Qvite http://evite.me/jC828QwXkm

MEMBERS AND GUESTS UTILITIZING THE **EVITE RESERVATION PLATFORM** MUST PROVIDE THE INDIVIDUAL'S NAME AND COMPANY NAME FOR EVERY REGISTRANT.

-OR: Paul Chang CPE - 619.513.4399 (cell) aspechapter4@outlook.com

TI for Top-of-the-Line Surgical Centers A Look Back and A Leap Forward for **UCSD's Future of Surgery Center**

by Lisa Thibodeaux, Construction Experts, Inc. ASPE San Diego Chapter #4 Programs Chair

mprovements to medical facilities require a lot of collaboration among trades, practitioners, and a lot of funding. The tenant improvements for the Future of Surgery Center at UCSD is no exception.

"This expansion is an extraordinary opportunity for our microvascular surgeons and those who practice catheterbased endoluminal vascular procedures," says Dr. Bryan Clary, chair of the Department of Surgery. "The CFS will be one of only a few surgical simulation training facilities in the world to have a hybrid OR for training, research, and device development in the endoluminal surgery."

The Center for the Future of Surgery, LEED Gold, opened its doors to residents in training on the UCSD campus in 2011. Since then, over 20,000 medical students, residents, surgeons, nurses and medical industry partners have received training at this state-ofthe-art surgical training center.

(cont'd on pg 3)

INSIDE THIS ISSUE ...

October Program Article1,3-4
Message from the Chapter President, Paul Chang, CPE 2
Meet the Members of Your Chapter Board: Edna Rodriguez 5
Meet the New Members of Your Chapter: AJ Ducusin 5
Ask a CPE Q&A with Dan Kilcoyne CPE
Spotlight on Member-Firms: HERC RENTALS INC
Become an ASPE Newsletter Sponsor or Advertiser
ASPE Membership, Mission Statement & Code of Ethics
San Diego Chapter Calendar of Events9
2019 Officers, Board of Directors, Committees
Contact ASPE
ATTACHMENTS:
UCSD Campus Map for October 22nd Site Tour
WHY ASPE? — 3 Steps to Annual Renewal — Certificate
Programs + Online Classes — ASPE Career Center 12-15

Message from the Chapter President by Paul M. Chang, CPE

Dear Friends and Members,

I would like to take this opportunity to thank everyone who came out to support our last ASPE 13th Annual Golf Tournament at Admiral Baker last month. The entire event was truly enjoyable. ASPE appreciates the time of the



Paul M. Chang CPE

guest golfers and sponsors. The audience turnout was great and excited. Thank you for supporting our scholarship program.

In today's construction market, **Networking** often begins with a single point of common ground. The most obvious is a professional affiliation, but some people find effective networking opportunities in a college alumni group, a church or synagogue social group, or a private club.

For professionals, the best networking opportunities may occur at trade shows, events, seminars, and conferences, which are designed to attract a large crowd of like-minded individuals.

Networking helps a professional keep up with current events in the field and develops relationships that may boost future business or employment prospects. Needless to say, it also provides opportunities to help other people find jobs, make connections and catch up on the news.

I and my Chapter Board of Directors look forward to welcoming you all at ASPE, an organization where you will not only polish your professional skills but also become a better Estimator.

Paul M. Chang, CPE

ASPE San Diego Chapter #4 President



Page 2 October 2019

TI for a Top-of-the-Line Surgical Center: A Look Back and A Leap Forward for UCSD's Future of Surgery Center

cont'd from pg 1

Director of the Center and Chief of the Division of Minimally Invasive Surgery Dr. Santiago Horgan says, "In surgery today, technology is evolving, techniques are changing, new devices are coming out all the time. There are still many operations that are done open because surgeons don't have the skills. There is a huge need for simulated training."

The high-end finishes, LED lighting systems, and overall design aids in delivering a futuristic atmosphere. Upon entry, medical professionals know the space they are entering was designed with the future of medicine in mind.

Since 2011 staff medical professionals have been envisioning the next chapter of the Center for the Future of Surgery. The newest addition involved demolishing an unfinished shell to build up the tenant improvement. Some of the features of the TI designed by CallisonRTKL include:

- Terrazzo floor
- Corian walls
- LED lighting systems
- Zeego C-Arm used for robotic surgeries
- Multi-taction Touch Screen Display
- Vacuum Extraction System

OSHPD and non-OSHPD elements are included in the improvements. Teaching space, storage and research space were included alongside a Microsurgical Lab and a Hybrid OR Suite.

The Microsurgical Suite Advances and Details

This Microsurgical Suite is designed to support medical students, residents, and medical staff in training in the new procedures of skull-based surgery, vascular surgery, neurosurgery, and plastic surgery.

Each of the 14 workstations and 1 prop station are equipped with:

- Mounted microscopes
- Snorkels, stents that enable blood flow to otherwise inaccessible arteries
- Vacuum system for suctioning fluid, draining wounds, lung and chest drainages, collection and suction of non-body fluids
- Touchscreen computers
- Air needle
- Extraction arm
- Faucet with foot pedals
- Medical air
- Surgical drive system
- Camera
- Camera with endoscopy control chair

One floor stand microscope will be available for collective use.

A unique 260-pound fluid waste management system, Dornoch, is newly installed. This is the mechanism that cleans the fluid containers with a water, enzyme, bleach bath.



(cont'd on pg 4)

TI for a Top-of-the-Line Surgical Center: A Look Back and A Leap Forward for UCSD's Future of Surgery Center

cont'd from pg 3

This Microsurgical Suite is in addition to the 22 surgical stations available for teaching purposes. The FSC specializes in training in:

- Robotics: Two da Vinci® Surgical Systems in the lab
- Simulators: Simbionix™ laparoscopy and endoscopy
- Laparoscopic Surgery

Hybrid Operating Room (OR)

The Hybrid Operating Room offers an advanced procedural space that combines a traditional operating room with an image-guided interventional suite. This combination allows for highly complex, advanced surgical procedures with specialists working collaboratively to solve advanced medical traumas (Steris Healthcare).

Because the FSC offers training in diverse specialties, including:

- Cardiothoracic
- Colorectal
- ENT
- Gastroenterology
- General surgery
- Neurosurgery
- Orthopedics
- Trauma
- Urology
- Vascular

the Hybrid OR will be a highly utilized feature.

Mark Rowland, Architect and Program Manager for UCSD, says, "The interior construction is remarkable as well. The amount of building services and systems, including conduit, pipe, electrical, ductwork, etc., behind and in the walls and ceilings (as well as under the slab) is incredible."

It is no wonder that with all these state-of-the-art systems multiplied by 14 + a prop station and teaching station, the total cost for this TI amounts to \$3.3 million for 1,800 GSF.

As a structure, the Future of Surgery Center is 100,000 GSF and \$50 million.

Subcontractors contributing to the project include:

- Fluid Sound
- Fuller Electric
- University Mechanical
- Other Leave
- Stryker

- Siemens
- KM Consulting Group LLC
- Randall Lamb Associates
- KPFF

ASPE October Meeting Details

Join ASPE San Diego #4 on Tuesday, October 22 for a tour of the Future of Surgery Center's tenant improvements. The tour will be led by UCSD architects Mark Rowland and Rod Barker.

Site Tour Location: Telemedicine Building at the end of Osler Lane, off of Gilman Drive. Parking available in the Osler Parking Structure on Gilman Drive. UCSD Campus Map

Registration is at 4:30 p.m. Tour is 5:00-6:00 p.m. Dinner at 6:30 p.m.

We will convene thereafter at the <u>Sheraton Hotel La Jolla</u> and dine on seared salmon, chicken, or vegetarian entree. Cost is \$45 for members, \$30 for students. *For those not attending the site tour, dinner registration begins at 6:00 pm.*

Meeting at a glance information can be found on page 1.

Lisa Thibodeaux, Construction Experts, Inc. ASPE San Diego Chapter #4 Programs Chair

MICROSURGERY LAB

<u>Click here</u> for more project information from Skidmore, Owings & Merrill LLP.



Mark Rowland

Page 4 October 2019

Meet the Members of Your Chapter Board ... Focus on EDNA RODRIGUEZ Territory Representative—Herc Rentals

dna Rodriguez joined the construction industry in 2001. She is currently a Territory Rep at Herc Rentals.

The company is a premier, full-service equipment rental firm, providing customers the equipment, services and solutions they need to achieve optimal performance safely, efficiently and effectively.

Edna likes to get involved within the Industry. She is on the board of directors for ASPE and NAWIC and is also a member of the WCC association. She enjoys learning about the industry and interacting with people who are just as passionate about the industry.



Edna Rodriguez

Through her involvement, she has continued to learn and grow.

Meet the New Members of Your Chapter ... Focus on AJ DUCUSIN Estimator—West Coast Air Conditioning Co., Inc.



AJ Ducusin

J Ducusin initially started his construction career at Core Consulting Group in 2014, and got his first estimating position at Nuera Contracting in 2017, and has been working as an Estimator since.

After graduating from San Francisco State University with a BA in Political Science, his intent was to become a lawyer. After working at a law firm for 7 years as a Paralegal, he decided to switch careers and take as many classes as he could to learn construction, from Blueprint Reading to Project Management classes at Southwestern Community College.

Recently, AJ took the AEP test from ASPE and is currently working for West Coast Air in El Cajon. ■

Ask a CPE: Q & A

Responses from Dan Kilcoyne, CPE—California Sheet Metal

1. When did you complete the CPE certification?

I completed my certification in September 2018.

2. What made you pursue CPE certification?

I wanted to take more seriously my proficiency within Estimating.

The certification process gave me the opportunity to demonstrate current competencies, and was also invaluable in revealing where I needed further development.



Regardless of where I work, it seemed fitting to have independent recognition of my standing within the Estimating Community. In return for the effort, certification has afforded me confidence in my current position and optimism in my career moving forward.

4. What do you suggest to other estimators regarding getting certified?

I would say anyone who has chosen Estimating as their career should strongly consider going through the CPE process. While challenging, even those with numerous other obligations can successfully achieve certification. Many within ASPE are available to help you through the process as well.

5. Brief description of your certification process, estimating life and/or any other comments?

In April 2018 I started the CPE certification process. Maintaining a balance with family life, career responsibilities, and certification studies extended the completion until September 2018. Through the help of several fellow ASPE members, I was able to write an accepted Technical Paper, and pass the General Knowledge and Discipline Specific exams. I can honestly say that going through the certification process was well worth the result.

If you have any questions, please contact Dan Kilcoyne CPE (dan@kilcoyne.me).

Page 6 October 2019



Dan Kilcoyne CPE

ASPE San Diego Chapter #4

SPOTLIGHT on MEMBER-FIRMS ... HERC RENTALS





Herc Rentals offers 20' and 40' Containers.

<u>Click here</u> to reference Herc Rentals' New Solutions Guide.

Herc Rentals Inc. is a premier, full-service equipment rental firm — providing their customers the equipment, services and solutions they need to achieve optimal performance safely, efficiently and effectively.

With more than 50 years of equipment rental expertise, approximately 4,800 employees and approximately 275 company-operated locations primarily in the United States and Canada, Herc Rentals serves a broad range of customer markets, including large and small industrial companies in construction; customers such as large industrial manufacturing plants, refineries petrochemical operations; and other



customers such as governmental entities and government contractors, disaster recovery and remediation firms, infrastructure, railroads, utility operators, individual homeowners, entertainment production companies, agricultural producers, special event management and facility management firms.

A pioneer of the equipment rental industry, Herc Rentals continues to evolve and grow through technological innovations, expanded product offerings and value-added services and consultative solutions to support its customers' projects.

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- Full-Page Sponsor Profile in 1 Issue
- Hot Link to Sponsor's Website or Designed Email Address

INDIVIDUAL BUSINESS CARD AD—\$200/yr

EMPLOYMENT AD:

\$70 /ad in 1 issue; \$100/ad on website FREE TO ASPE MEMBERS!

FOR MORE INFO—CONTACT:

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Cell 619.980.4025; pancho77@cox.net

P.R. Chair: JOE HERNANDEZ 619.717.1814;

joehernandez777@yahoo.com



ASPE MISSION STATEMENT

The American Society of Professional Estimators is dedicated to the promotion of the profession of estimating and to the benefit of the construction industry.

Click here for ASPE's CODE OF ETHICS.

ASPE Membership

n accurate cost estimate is the first of many key components of a successful construction project. Plan interpretation, labor and material costs, scheduling costs, and level of difficulty recognition are a fraction of the skills necessary to become a successful estimator.

Why join the American Society of Professional Estimators? ASPE is the most recognized and credentialed group of construction cost professionals in our nation's construction industry. ASPE provides education, industry information, and fellowship to all levels of our members. It is made up of professionals in the following three member classifications.

- -1- Estimator: Shall be an active Construction Estimator in one or more of the construction estimating disciplines.
- -2- Affiliate Member: Shall be employed in a construction-related field.
- -3- Student: Shall be a full-time student actively pursuing a curriculum leading to a degree or certificate in a construction-related field.

One of the ultimate goals of a member in ASPE is to achieve status as a "Certified Professional Estimator," otherwise know as "CPE." CPE status is recognized by Builders, Government Agencies, joehernandez777@yahoo.com

Developers, and many other Corporate entities as the highest level of qualification as an estimator. Educational training is available to become part of this elite group of professionals.

ASPE San Diego Chapter #4 is perennially recognized as one of the top chapters of the nation's 50 chapters. The local chapter meets on the third Tuesday of each month. This general membership meeting offers education and insight into our industry. Each membership meeting is highlighted by presentations and guest speakers, with information pertinent to our ever-changing industry.

If you would like to become part of this exciting group of professionals, please contact Venu Dorapally CPE at 858.947.5197 or:

venuarch@gmail.com

Page 8 October 2019

San Diego Chapter #4 Calendar of Events



Tuesday, October 22, 2019 (4:30 PM Registration)
 ASPE San Diego Monthly Site Tour & Dinner Meeting

Program: Future of Surgery Center

Site Tour Location: UCSD Medical Center, La Jolla

UCSD CAMPUS MAP Telemedicine Building at the end of Osler

Lane, off of Gilman Drive

Parking available in the Osler Parking

Structure on Gilman Drive

Site Tour Hosts & Dinner Meeting Speakers:

Mark Rowland and Rod Barker

UCSD Facilities Design and Construction ◆ and Align Builders' Representative

Dinner Location: Sheraton Hotel La Jolla

3299 Holiday Court, La Jolla (858.453.5500)

South of La Jolla Village Drive and West of I-5. Parking available in the lower lot on the

north side of the hotel.

Tuesday, November 19, 2019 (4:15 PM Registration)
 ASPE San Diego Monthly Site Tour & Dinner Meeting

Program: Site Tour of California Sheet Metal

Office and Fabrication Facility

Site Tour Hosts: California Sheet Metal Representatives

In-house Speaker: Dan Kilcoyne, CPE
Dinner: Catered by Phil's BBQ

• Friday, December 13, 2019 (7:00 AM Registration)

Joint ASPE/CSI San Diego Holiday Breakfast Meeting

Program: Economic Forecast for 2020

Speaker: Alan Nevin, Director of Economic &

Market Research—Xpera Group

Location: Admiral Baker Golf Course Clubhouse

2400 Admiral Baker Way, San Diego (Off Friars Road in Mission Valley)

• Tuesday, January 21, 2020 (4:30 PM Registration)

ASPE San Diego Monthly Dinner Meeting

Program: What Estimator Need to Know About

Construction Safety Issues

Speaker: Steve Samuelson

Construction Safety Program Manager

San Diego County Regional

Airport Authority

Location: To be determined

Tuesday, February 18, 2020 (4:30 PM Registration)
 ASPE San Diego Monthly Dinner Meeting

Program: To be determined

Speaker: To be determined

Location: Balfour Beatty Training Center

10620 Treena Street, Ste 300, San Diego East of I-15. South of Mira Mesa Boulevard

Dinner: Catered Dinner to be determined

Tuesday, March 17, 2020 (4:15 PM Registration)
 ASPE San Diego Monthly Dinner Meeting

Program: Ethics Presentation to be determined

Speaker: To be determined Location: To be determined

Tuesday, April 21, 2020 (4:30 PM Registration)
 ASPE San Diego Monthly Site Tour & Dinner Meeting

Tentative Hoover High School New Theater,
Program: Classroom and Administration Building
Location: 4474 El Cajon Boulevard, San Diego
Hosts and Representatives from Balfour Beatty

Dinner Meeting Speakers:

In-House

Paul Chang, CPE

Speaker:



Directory of San Diego Chapter #4



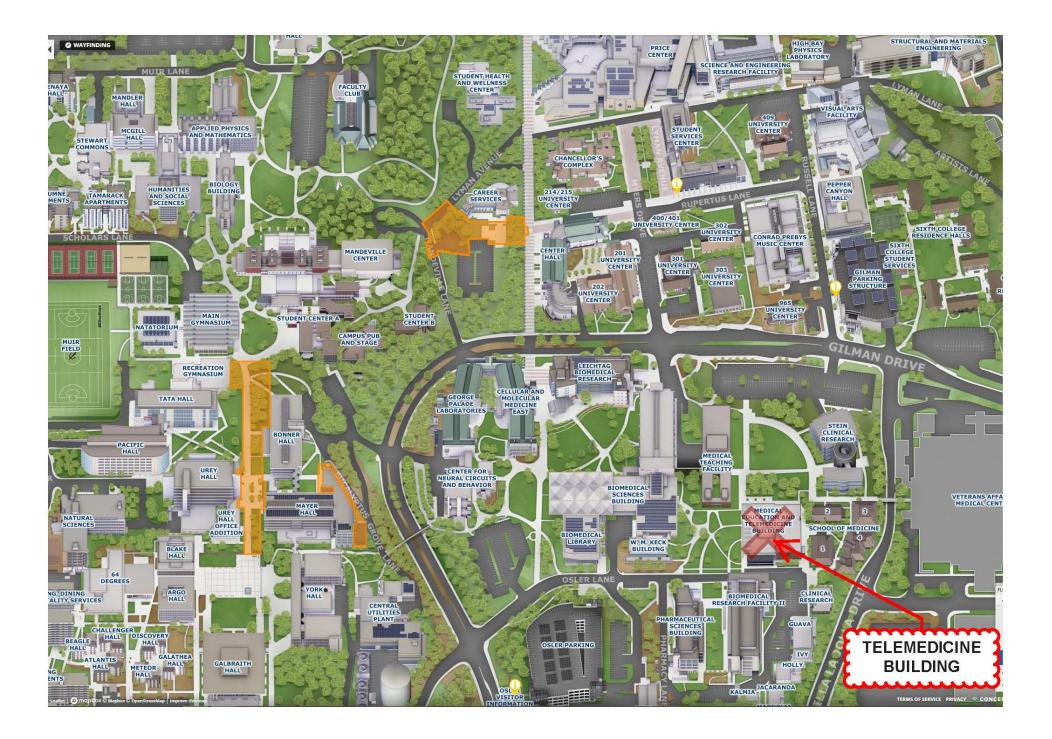
TECHNICAL COMMITTEES:		2019-20	Chapter	Officer	2018	
Certification:			on apre-	0111001		
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Standards: OPEN	1 st Vice- President	Steve Schraibman, CPE Arcor-Inc.	858.481.4494 619.252.4941-C	858.481.4146	steve@arcor-inc.com	
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National Awards OPEN	Secretary	David Luhm, E Countywide Mechanical	760.238.3355-C		dluhm@countywidems.com	
Nominations: OPEN	Treasurer	Frank E. Young, FCPE Ramos Consulting Svcs	619.440.5517 619.980.4025-C	619.401.7545	pancho77@cox.net	
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Frank Values FCDF	Divo	Mari Bhana	Fow		Email	

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Dan Luckhardt, CPE					Alley.		
Outreach:	Phone: 619.749.1890 Email: <u>info@aspechapter4.org</u> Chapter Website: <u>aspechapter4.org</u> National Website: <u>aspenational.org</u>						
Paul Chang, CPE							

Page 10

October 2019





WHY ASPEP

The Professional Network and Thought Leadership of Estimators worldwide.

The American Society of Professional Estimators serves residential, commercial and civil construction estimators by providing Education, Fellowship, and the opportunity for Professional Development. The proper Education, Ethics, Standards, Certification and Fellowship lead to the ultimate goal of Professionalism.



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ASPE SAN DIEGO CHAPTER # 4

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3 Steps to Annual Renewal



Step I = PDUs

Professional Development Units must be earned + logged within the calendar year. Submit documentation, in PDF or DOC format, to back-up journal entry.

CPE = 24 PDUs AEP = 12 PDUs

To access the PDU Journal, sign into your ASPE Profile.
PDU Reference Table found on the Certification page.

CPE = Certification > CPE Applications + Forms > More Information

AEP = Certification > Certification Program (AEP) > More Information

Step 2 = Application

Certificate holders are required to complete the Renewal Application from within their profile.

CPE = Certification > CPE Applications + Forms > More Information **AEP** = Certification > Certification Program (AEP) > More Information

Step 3 = Fees

Renewal Fees are paid within the online application, available at ASPEnational.org / Certification.

CPE + AEP Renewal Fees

ASPE Member = \$50 Non-Member = \$350







Certification Cycle = January I - December 31



Certificate Programs

Construction Estimating

Civil Sitework Construction Construction Project Management

Construction Supervision - Civil Sitework Construction Supervision - Building

Construction Supervision

Self-Paced Courses

101 Introduction to Construction Estimating 102 Essential Construction Math

Instructor-Guided Courses

103	Construction Blueprint Reading	201S	Leadership + Motivation
105	Estimating + Bidding 1	202	Oral + Written Communication Skills
106	Estimating + Bidding 2	203P	Problem Solving + Risk Management
107	Construction Materials + Processes	204	Contract Documents + Construction
108	Construction Equipment + Methods	205T	Planning + Scheduling
109	Practical Applications of Civil Sitework	206T	Construction Productivity + Cost Management
110	Civil Blueprint Reading + Materials	305	Building Green Buildings
114	Estimating Civil + Sitework Construction	308	Construction Project Management

Construction Practices

Courses begin in January, April, June and September * Each Course is a 10-Week Session

Visit ...

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for the following Class Information

Fees • Prerequisites • Learning Objectives • Class Organization + Grading • Weekly Syllabus

Assistance is available by contacting

Cinder, Online Class Coordinator • 615.316.9200 • Cinder@ASPEnational.org

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