# S.D. Mater



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### **MEETING AT A GLANCE**

DATE: TUESDAY, SEPTEMBER 19, 2017

TIME: 5:00 PM—Registration

ALL ATTENDEES MUST SIGN INSURANCE WAIVER FORM!
ALL PARTICIPANTS SHOULD BRING REQUIRED PPE!

5:30 PM—Site Tour Begins

7:15 PM—Dinner Begins at Nicolosi's

Italian Restaurant, 7005 Navajo Road (San Carlos)

8:00 PM—Program Begins

#### PROGRAM:

**SITE TOUR & DINNER MEETING PRESENTATION:** 

"SDSU'S ENGINEERING INTERDISCIPLINARY SCIENCES BUILDING"

#### SITE TOUR HOSTS & DINNER SPEAKERS:

Matt Gerard – Project Executive Wendy Bohn – Senior Project Manager

Clark Construction Group - CA LP

#### SITE TOUR LOCATION:

East side of the SDSU campus, adjacent to the existing Engineering Complex (Click here for map.)

ATTENDEES SHOULD PARK IN PARKING STRUCTURE 3 ON EAST SIDE OF COLLEGE AVENUE, SOUTH OF I-8.

COST: Members & Guests - \$30/person Students (discount) - \$20/person

Site Tour Only Option - \$10/person

Cancellations must be received by NOON on Sept. 18th or no shows will be billed.

RSVP: <a href="http://evite.me/5TpqfsKCkK">evite</a> <a href="http://evite.me/5TpqfsKCkK">http://evite.me/5TpqfsKCkK</a>

-OR: Paul Chang - Sundt Construction

619.321.4822 aspechapter4@outlook.com

### "San Diego State University's Engineering Interdisciplinary Sciences Building"

#### **Site Tour & Dinner Meeting Presentation**

any years ago, engineering students could choose Architectural, Civil, Mechanical, Electrical, and perhaps Industrial as their majors. At Stanford, for a few individuals, we could opt out of the primary categories and select Engineering without Specification of a Major, or simply General Engineering, to fulfill the engineering academic requirements. Today, San Diego State University offers the following alternatives in the engineering field at the undergraduate level:

Aerospace, Civil/Construction/Environmental, Computer/Electrical, and Mechanical

Graduate students seeking Masters credentials can also pursue Bioengineering or an Interdisciplinary Master of Engineering. These various courses of study help explain SDSU's need for a complex such as the new Engineering Interdisciplinary Sciences Building adjacent to the present facility on campus.

We are indebted to Clark Construction Group – CA LP's Project Team members who have graciously offered to

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## Sept. Program Notes: "SDSU's Engineering Interdisciplinary Sciences Building" Site Tour and Dinner Meeting <u>cont'd from pg 1</u>

conduct our members and invited guests through their jobsite on Tuesday, September 19, 2017. The 90,000 square-foot \$77 Million Design-Build contract will encompass teaching labs and flexible research space to accommodate a variety of engineering and science programs. The structure will foster collaboration between engineers, biologists, mathematicians, and entrepreneurs to enhance the school's aspirations to become one of the top 50 public research facilities in the nation.

The EIS building will house spaces for virus and brain imaging research, an institute for developing innovative medical devices and diagnostics, and facilitate studies in biomedical engineering, renewable energy and wireless communications. Substantial completion is anticipated in early 2018, and complex should achieve LEED accreditation.

AC Martin out of Los Angeles headed up the design team, while major subcontractors included the following firms:

Concrete Pacific Southwest Structures

Misc. Steel McMahon Steel
Casework Spooner's Millwork
Roofing Sylvester Roofing
Storefront/Glass & Glazing La Mesa Glass
Framing, Plaster & Drywall Neville Group

Fire Sprinklers Schmidt Fire Protection

Mechanical A. O. Reed

Electrical Dynalectric – San Diego



**Matt Gerard**, Project Executive, and **Wendy Bohn**, Senior Project Manager, will conduct the Site Tour where attendees can expect to see the following aspects of construction:

Mission Revival-style façade, bridge connecting the new and existing engineering buildings, MRI Imaging Center, Material Science Imaging Lab, Vironics Center, Entrepreneurial Center, Energy Lab, Clean Lab, high performance mechanical system to pressurize lab spaces, courtyard for interactive learning.



PERSONAL PROTECTIVE EQUIPMENT (PPE) IS REQUIRED – Hard Hats, Safety Glasses, Safety Vests, Gloves, Closed Toe Shoes, and Appropriate Clothing

#### **Schedule of Activities**

#### **Registration and Sign Insurance Waiver Form**

5:00 P.M.

Meet at Entrance to Jobsite on east side of campus adjacent to existing Engineering Building (SEE ATTACHED MAP)

Meter Parking is available in Parking Structure 3, east of College Ave. and south of I-8 for \$2.00/Hour (SEE ATTACHED MAP)

Site Tour 5:30 – 6:30 P.M.

Adjourn to Dinner Venue at Nicolosi's Italian Restaurant located at 7005 Navajo Road (San Carlos area on south side of street just east of Jackson Drive)

Registration at Nicolosi's (members & guests not participating in the Site Tour) 6:30 P.M.

Chapter Announcements 7:00 P.M.

Dinner Service 7:15 P.M.

Spaghetti and Meat Sauce, Choice of Pizzas, Dinner Salad, Rolls, Non-Alcoholic Beverages (Note: Beer and wine will be available on a No-Host basis.)

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## Sept. Program Notes: "SDSU's Engineering Interdisciplinary Sciences Building" Site Tour and Dinner Meeting <u>cont'd from pg 2</u>

Presentation after dinner will cover unique aspects of the project, preconstruction efforts, and challenges encountered during construction.

**Short Program by Clark Construction Group** 

8:00 P.M.

**Adjournment** 

8:30 P.M.

**Cost of Dinner Meeting: BARGAIN PRICING THIS MONTH** 

Site Tour and Dinner Meeting – \$30.00

Students - \$20.00

Site Tour Option ONLY Available for \$10.00 per person

Join us for another stimulating and educational Site Tour experience. This opportunity to visit an outstanding addition to the SDSU campus and its engineering curriculum should not be missed by our group.

Contact Paul Chang at Sundt Construction to make your reservations:

Telephone: (619) 321-4822 Email: aspechapter4@outlook.com

Frank E. Young FCPE
ASPE San Diego Chapter #4 Chapter Programs Committee



#### **CLIENT**

San Diego State University

#### **CONSTRUCTION VALUE**

\$77 M

#### **START DATE**

Jan 2015

#### **COMPLETION DATE**

Anticipated Jan 2018

#### **SQUARE FOOTAGE**

90,000 GSF

#### **LEED STATUS**

Gold

#### **ARCHITECT**

**AC Martin Architects** 

### Engineering Interdisciplinary Sciences Building

San Diego, CA

Clark was awarded a \$77 million design-build contract for the 90,000 SF engineering building, which is comprised of teaching labs and flexible research space to accommodate a range of engineering and science programs. The building contains a clean room and features a high-performance mechanical system that will help pressurize lab spaces. The façade is comprised of stucco and arcades to match the SDSU campus' historic Mission Revival architectural style.

The project team constructed a courtyard for interactive learning and campus events. The Engineering Interdisciplinary Sciences Building was designed to achieve LEED® certification. Construction is anticipated to be substantially completed in January 2018.

# Meet the 2nd Vice President on Your Chapter Board ... Focus on DANIEL LUCKHARDT CPE Senior Cost Estimator—Swinerton Builders



Daniel Luckhardt CPE

aniel Luckhardt has 30 years of experience within the field of construction cost estimating and construction management. He is passionate in understanding new technologies such as cost-loaded models, net zero energy trends, and life cycle analytics. Daniel's professional experience primarily includes Pre-Construction Cost Estimating. As an experienced Senior Cost Estimator, specializing in the mechanical, electrical, plumbing (MEP), and utility infrastructure disciplines, Daniel understands managing project cost from conception through completion.

Daniel received his Bachelor of Science and his Master of Arts degrees in Industrial Education from Eastern Michigan University. His project experience includes commercial, industrial, manufacturing, biotech/pharmaceutical and cGMP facilities, healthcare, correctional facilities, higher education, transportation, federal, waste water treatment, domestic water transportation, and heavy civil.

Daniel Luckhardt is currently employed by Swinerton Builders, <a href="www.swinerton.com">www.swinerton.com</a>, as a Senior Cost Estimator with an area of expertise within the MEP disciplines. Swinerton was founded in 1888, and has worked with a remarkable range of clients in a diverse array of markets. Swinerton has thrived by providing innovative solutions and being a trusted advisor to their clients. Swinerton's core values of integrity, leadership, passion, and excellence serve as the foundation for everything they do. Daniel is assigned to the Southern California Target Markets Division.

Daniel has been an active member of the American Society of Professional Estimators (ASPE) since 1990 and he is a 'Certified Professional Estimator' (CPE). He is also a two-time recipient of the 'Albert L. Vallin Estimator of the Year Award' for the American Society of Profession Estimator's local Chapter #4. He is currently serving on the ASPE Board of Directors as 'Second Vice President.' In addition, Daniel has been an active member of the Association for the Advancement of Cost Engineering International (AACEI).

Daniel has taught the CM 202 'Construction Estimating' course at NewSchool since 2011. ■



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## The Personal and Professional Rewards Associated with Mentoring

by Frank Young, FCPE

s we advance in our construction careers and professional development, mentoring our colleagues in the workplace and students in educational institutions becomes a worthwhile endeavor. Mentorship can become part of the solution to an industry's training needs to ensure the continuation of the necessary skills associated with construction. It is emerging as one of the most critical elements in workforce development, both in the trades and in the technical fields. According to government projections, we face the loss of 250,000 jobs through retirement in the next decade.

During the 1990's, the construction industry's Business Roundtable embarked on a program to address this situation with an initiative entitled Workforce 2000. Those efforts produced minimal results and the economic downturn from 2009 through 2013 caused people to postpone their retirement plans. Many individuals lost benefits in their IRA's and other



Frank Young FCPE

investments. In many instances, good health and family financial necessity has provided the option of prolonging their employment with companies or as consultants.

It is important to better understand what we mean by mentoring. The following definitions come from reliable and reputable sources:

Mentor Someone who teaches or gives advice to a less experienced and often younger

person

Mentoring Process for the informational transmission of knowledge, social capital, and the

psychological support perceived by the recipient as relevant to work, career or

professional development

The practice has existed since the ancient Greeks with the character Mentor in Homer's Odyssey, and further manifested by the guru-disciple traditions in Hinduism and Buddhism, and the discipleship practiced in Rabbinical Judaism and the Christian Church. The concept of apprenticeship first appeared under the medieval guild system.

Early in my career in construction, I grew to understand the blessings of my position in life, including my education and occupational opportunities. I developed a personal philosophy that embraced the idea that I needed to give something back to the industry. For me, mentoring began as a part of my membership in the American Society of Professional Estimators which began in 1970. Over the years, that association has evolved and presented chances to become actively involved in leadership positions, both at the Chapter and National levels. As our organization grew, it became essential for older members to mentor newer members with the hope of achieving our goals and improving our vision for the industry through ASPE's stated Mission and Code of Ethics. Although I was grandfathered into the Certified Professional Estimator (CPE) program in 1975, I served on the Certification Committee for several years, and chaired that group in the late 1980's. Communicating the message about certification and assisting CPE candidates through the process represents a perfect example of mentoring within the ASPE framework.

In the early 1980's, I was invited by Mel Cole (old-timers may remember that name) to join the Advisory Committee for UCSD Extension's Certificate in Construction Practices program. That assignment led to accepting a teaching position for one of the courses in their curriculum. In addition, Bob George asked me to become an instructor for his certificate program at San Diego State University's Extended Studies. I have been involved with presenting classes/ seminars at ASPE's former Estimating Academy and the Joint Cost Management Society's Symposiums, as well as for local Chapters and educational institutions. Currently, I serve on the Kearny High - Stanley E. Foster School of Engineering, Innovation and Design (EID) and the NewSchool of Architecture + Design Construction Management program advisory bodies, and participate in the national Architecture Construction Engineering (ACE) program at Hoover High School. ACE seeks to introduce high school students, both boys and girls, to potential careers within the construction and design fields. It is my opinion that exposure to similar educational activities affords the best and most rewarding experiences for mentoring future construction personnel.

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Many members know about my contributions to charitable and community organizations. I belong to the First Presbyterian Church of San Diego and have served on their Board of Elders and chaired their Ranch Committee. The church operated a 600-acre conference center in San Diego County with cabins, meeting lodges, swimming pool and bathhouse, and maintenance warehouse until it was sold to the Salvation Army. Recently, I have taken an active role in renovating a 16-story, 155-unit affordable seniors' housing facility in downtown San Diego for a non-profit corporation in concert with a local development firm.

During our individual careers, regardless of the field of expertise, everyone has been directly connected to some form of mentoring:

With our parents, with our teachers, with our spiritual leaders, in raising our children, with our bosses, or perhaps as a role model for others to look up to along life's way.

At an appreciation luncheon in June for the ACE volunteers, the Executive Director for the USS Midway Museum, moored at Navy pier in San Diego, shared these thoughts about mentoring:

You can be someone.

You can accomplish more that you're doing today.

Overcome the "start-up phenomena."

How, do you ask?

OBTAIN INFORMATION FROM AVAILABLE SOURCES.

FORM RELATIONSHIPS.

LEARN FROM YOUR COLLEAGUES AROUND YOU.

Every day we see opportunities to mentor people who need some form of encouragement. Consider giving back to your chosen profession, to education, or to a worthy cause that can use your support or assistance.

Frank E. Young FCPE

ASPE Fellows Committee Chair



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### Become an ASPE Newsletter Corporate Sponsor or Advertiser

## CORPORATE SPONSOR—\$400/yr Includes following benefits:

- Sponsor Recognition in 12 Monthly Newsletters and on Chapter Website, GIFS Wheel
- 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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P.R. Chair: STEVE SCHRAIBMAN, CPE

Cell 619.252.4941; <u>steve@arcor-inc.com</u>



#### **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 of several different classifications.

- -A- Estimator—shall have at least five years' experience as an estimator in one or more of the construction estimating disciplines.
- -B- Constructor—shall be an active construction professional experienced in one or more of the construction disciplines with at least 5 years' experience.
- -C- Associate Member—is a Member with less than 5 years of experience as an estimator or an active construction professional. When the Member achieves 5 years of experience, the Member shall be given one of the Member classifications listed above.

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, 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 Fred Nagel CPE at 619.647.1304 (cell) or:

frednagel@gmail.com

## San Diego Chapter #4 Calendar of Events



Tuesday, September 19, 2017 (5:00 PM Registration)
 ASPE San Diego Monthly Site Tour

and Dinner Meeting

Site Tour: Engineering Interdisciplinary

Sciences Building

**Location:** San Diego State University

Site Tour Matt Gerard—Project Executive
Hosts and Wendy Bohn—Sr Project Manager

**Dinner Mtg** Clark Construction Group

**Presenters:** 

**Dinner** Nicolosi's Italian Restaurant **Venue:** 7005 Navajo Rd, San Diego

(San Carlos area)

Tuesday, September 26, 2017 (5:30-7:30 PM)
 ASPE San Diego Board of Directors' Meeting

**Location:** To be determined

Friday-Saturday, September 29-30, 2017
 ASPE Northwest/Southwest Regional Meeting

**Location:** Ayres Hotel

325 Bristol Avenue, Costa Mesa

Tuesday, October 17, 2017 (5:15 PM Registration)
 ASPE San Diego Monthly Dinner Meeting

**Program:** Tour of Kitchell Contractors, Inc.

Office and Estimating Presentation

after Catered Dinner

Tour Hosts To be determined

and Presentation

Speakers:

Catered Rubio's Coastal Grille

**Dinner and** 9330 Scranton Rd, Ste 100, San Diego

Location: (Sorrento Valley)

Thursday, October 19, 2017 (12:00-2:30 PM)

NewSchool of Architecture + Design's Part-Time

Job and Information Fair

**Location:** NewSchool of Architecture + Design

1249 F St, San Diego, CA 92101

(Old Main Lobby)

Click here for more information.

Tuesday, October 24, 2017 (5:30-7:30 PM)
 ASPE San Diego Board of Directors' Meeting

**Location:** To be determined

Tuesday, November 14, 2017 (5:15 PM Registration)

**ASPE San Diego Monthly Dinner Meeting** 

Program: San Diego Navisworks GC, CM &

Specialty Contractors User Forum

**Speaker:** Ed Wenz—Wenz Consulting

In-House To be determined

Speaker:

**Location**: To be determined

Tuesday, December 5, 2017 (5:30-7:30 PM)
 ASPE San Diego Board of Directors' Meeting

**Location**: To be determined

Friday, December 15, 2017 (7:00 AM Registration)

Joint ASPE/CSI San Diego Annual Breakfast Meeting

**Program:** 2018 Real Estate and Construction

**Economic Forecast** 

**Speaker:** Alan Nevin—Expera Group

**Location:** Admiral Baker Golf Course Clubhouse

2400 Admiral Baker Road, San Diego

#### CONTACT ASPE

ASPE San Diego Chapter c/o Margy Ashby 127 N. Westwind Drive El Cajon, CA 92020-2955

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Chapter

Website: http://www.aspechapter4.org

**National** 

Website: http://www.aspenational.org

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# Directory of San Diego Chapter #4 Officers and Directors



TECHNICAL COMMITTEES:							
Certification:		20°	17-2018	3 Chapte	r Office	orc	
John W. Heusner, CPE	Offi						
Education:	Office	0	fficer	Phone	Fax	Email	
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