

Issue No. 17

August 2018

The ASPE OC PRESS



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PRESIDENT'S MESSAGE

By Saum K. Nour, Ph.D.

Greetings,

To all members of ASPE Orange County, California.

This message is simply to give you updates. Due to family health situation, President of this organization had to stepped down and our VP Tech is temporarily on leave for health reasons. For now, this engineer is the Acting President of the Chapter.

First, I am highly thankful for Chris MacKnight for his great input in

multiple years of service as well as trying his best to satisfy the engineers appreciation of this Chapter. Second, Carl P. Ludwig who has never shied away from any volunteering temporarily will not be part of the Board. I thank him for his great efforts for our organization. Just to let you know... the ASPE show will never stop.

Our next meeting

ASPE OC

September 26th, 2018 at Holiday Inn Santa Ana

Speaker: Zay Soe with Southland Engineering

PRESIDENT'S MESSAGE

Topic: Key to a Successful Construct-able Design

Key issue to remember for October: Different Date and Location

Date: ASPE OC and ASHRAE Orange Empire (joint meeting)
OCTOBER 23rd, 2018

Location: PHOENIX CLUB IN ANAHEIM

Please keep in mind this is not the last Wednesday of the month like ASPE OC Meetings usually are.

I would like to ask all readers and members..... Be Healthy
Please come to the meeting and support our organization.
We count on you.

Do not forget, we still have our CPD class starts at 5:30 PM to 6:30 PM before meeting, and This Engineer will be speaking on NFPA 99 for IAPMO 99 @ Hometown Buffet, Santa Ana 17th street October 9th 11:00 am.

Announcements:
ASPE OC and ASHRAE Orange Empire (joint meeting)
OCTOBER 23rd Tuesday, 2018 at PHOENIX CLUB IN ANAHEIM
(Not in Holiday Inn Santa Ana)
(please keep in mind this is not that last Wednesday of the month

as ASPE OC Meeting usually are)

Speaker and Topic is being handled by ASHRAE OE. Ben Chesser (bchesser@umec.com) is the Programs Chair at ASHRAE OE and I thought the topic was going to be Seismic Considerations for Plumbing and Mechanical Design but we need to double check with Ben.

IAPMO Meeting October 9th, 2018

NFPA 99 and Inspection Issues
K. Nour, PE, Ph.D., CPD, LEED AP, CFPE, AIA Associate
11:00 am
Hometown Buffet, 17th Street, Santa Ana, Ca

Sincerely,
Dr. "Saum" K. Nour, Ph.D.
PE Mechanical, PE Electrical, PE Civil, CPD, ASPE Fellow, LEED AP, CFPE
Acting President



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Mr. Ms. Miss Mrs.

First Name _____ (Nickname) _____ Middle Name _____ Last Name _____

Birth Date: M ___ /D ___ /Y ___ Check all that apply: P.E. P. Eng CPD Graduate Engineer LEED AP CET Other _____

I wish to affiliate with the _____ Chapter. Certification (P.E.) State _____ Certificate No. _____ Branch _____

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E-mail (required) _____ Business E-mail _____ Cell Phone _____

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Street Address _____ City _____ State _____ ZIP _____ Fax _____

Other organizations you are a member of: ASHRAE ASSE NFPA NSPE ASME PHCC ICC IAPMO SFPE Other _____

EDUCATION

	Name of Institution	Course or Major	From	To	Graduation Date	Degree/Diploma
High School						
College/University						
Technical School						
Others						

PROFESSIONAL EXPERIENCE

(This section must be completed as it affects membership grade classification. List chronologically, beginning with the present. Work description must be clear and concise: e.g., plumbing, piping, fire protection, HVAC, etc. Use additional sheet as necessary.)

Date(Mo/Yr)	Firm Name and Address	Class* (see below)	Title	Description of Work	Degree of Responsibility
From To					

*Classification of Firm A - Arch./Engr. or Cons. Engr. B - Govt. Agency C - Mfr. or Mfr's. Rep. D - Educ. Inst. E - Contractor F - Other (Explain)

REFERENCES

(References should be in engineering profession. ASPE members preferred. ASPE reserves the right to contact references.)

Name	Address	Telephone

PLUMBING ENGINEERING DESIGN HANDBOOK

New members receive one of four volumes of the this definitive collection of general plumbing practices. As an ASPE member you will be sent the CD-rom unless you indicate preference for the softcover edition. If you would like both the CD-rom and softcover editions, please add \$50 to your total to the right.

CD-ROM SOFTCOVER

RENEWAL REMINDER

I WOULD LIKE TO RECEIVE MEMBERSHIP RENEWAL REMINDERS AND SOCIETY RELATED IMPORTANT ANNOUNCEMENTS VIA TEXT MESSAGES.

CERTIFICATION BY APPLICANT

The undersigned certifies that all statements made herein are correct and, if elected to the Society, agrees to adhere to the Society's Bylaws and accept the Classification conferred by the Society. Upon becoming a member, the applicant will endeavor to advance the objectives of the Society and the plumbing engineering profession.

Signature of Applicant _____ Date _____

Sponsor _____ (Please Print)

How did you hear about ASPE? Past Member Plumbing Engineer Magazine Colleague/Employer ASPE App Website Other _____

American Society of Plumbing Engineers member dues are nonrefundable and not deductible as a charitable expense, but may be deductible as a business expense.

* Contributions to ASPE Education (create education programs for membership) and Alfred Steele Scholarship (to award college scholarships) and PE Curriculum/Licensing (create future curriculum and licensing opportunities for membership) Funds are Strictly Voluntary and are not deductible as a charitable contribution but may be deductible as an ordinary and necessary business expense.

** Contributions to the ASPE Research Foundation are Strictly Voluntary and are tax deductible as a charitable contribution.

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<input type="checkbox"/> ASPE Research Foundation**	\$25	\$ _____

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Plumbing Design Engineer's : Orange County, San Diego and San Jose available positions at all levels.

We are looking for a team players! We are looking for a motivated, team-oriented, collaborative leader to support the growth of our fast-developing Plumbing team. This person would play a key plumbing engineering group and would be responsible for delivery of technical engineering work.

Key Responsibilities: The Plumbing Engineer is responsible for performing complex design calculations, sketches, technical comparisons and similar technical work as required by assignment. Designs complete systems (e.g. water hot and cold systems, waste and vent, storm drainage, natural gas, fuel oil, controls, medical gases) for low through mid-rise projects. In addition, the engineer calculates and understands impacting issues in Title-24 compliance.

Typical Duties:

- Performs more complex design calculations, sketches, technical comparisons and similar technical work as required by assignment / direction by Project Manager.
- Performs coordination at a higher level by reviewing drawings supplied by vendors, other team engineers, and the architects and implements design modifications as necessary.
- Researches code issues as directed by the Project Manager.
- Researches design options and discuss findings with Project Managers.
- Proficiency in the use of 2D/3D software, including AutoCAD 2D, AutoCAD 3D, Revit, and Navisworks.
- Proficient computer skills with programs such as Word, Excel, PowerPoint, and Microsoft Project Experience performing site investigations of existing building system for renovation type projects.
- Visiting jobsites during construction phase and identifying and generally confirming the proper installation of designed systems and equipment.
- Communicating with and utilizing subordinates (e.g. CAD/BIM manual drafting and Design personnel) in the preparation and/or completion of design documents.
- Communicating with architects and other consultants regarding building systems and their impact on the system design.
- Communicating with building officials regarding code issues impacting system design.
- Begin to interact with clients as his or her level of experience progresses. May attend "kick-off" and design review meetings as directed by a Project Manager.
- Reviewing project budget cost and preparing opinions of probable construction costs.

Qualifications: Bachelor's Degree in Engineering or Related field is preferred.

- 5 - 7 years of project experience in Plumbing design.
- Experience with AutoCAD and Revit is required.
- Knowledge of California Plumbing Code and related California Building Codes.
- Knowledge of green building practices and LEED Rating System.
- LEED AP Certification is desired.
- Experience with healthcare plumbing systems and life science projects are desirable. (OSHPD)

Nancy Whitley
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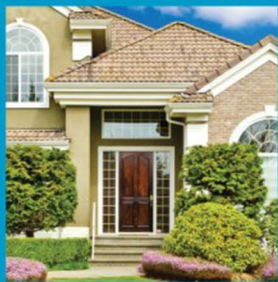


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Commissioning Agent CxA Qualifications & Requirements:

- 3-5 years' experience in mechanical building design, including commissioning projects design review, commissioning specifications, startup review and all testing
- Functional Performance Testing (FPT) and Performance Verification Testing (PVT), and final commissioning report composition
- Technically proficient in HVAC systems design, DDC control systems and lighting control systems
- EIT or PE certification helpful but not required
- Certification with ACG as a Commissioning Authority for military, commercial, and hospitality projects helpful but not required
- Excellent written and verbal communications and some travel (mostly in Southern California) is required.

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Mechanical Designer/Engineer (Carlsbad/Vista)

Overview:

Immediate opening for a Mechanical Designer/Engineer to join our team.

The successful candidate will be professional, self-motivated, energetic, & enthusiastic with excellent communication and inter-personal skills, and a desire to contribute to our continued success. Previous consulting engineering firm experience required.

We value your experience including the following qualifications, technical skills, and abilities:

- Strong technical skills and the ability to produce accurate and timely HVAC systems designs for commercial, educational, health-care and military facilities
- Design and documentation skills
- The ability to develop layouts and detailed schematics for HVAC systems
- Expertise in piping and hydronic designs
- Comprehensive understanding of energy conservation reports
- Title - 24 calculation
- LEED design experience with a focus on energy efficiency and sustainability
- LEED documentation and coordination skills

Qualifications / Requirements:

- Bachelor's degree in Mechanical Engineering (or related industry experience) and a minimum of 4 years' experience in Mechanical design, or equivalent combination of education and experience
- Recent relevant experience in the engineering/construction field
- Experience in packaged equipment and central plants
- Knowledge of CA Energy Standards - Code Requirements
- EIT or PE certificates helpful but not required.
- LEED – AP preferred
- Team-player: Demonstrated ability to effectively manage a projects and/or take direction from project managers
- Proficiency with MS Office and CAD
- Strong verbal and writing communication skills

Plumbing Designer/Engineer (Carlsbad/Vista)

Overview:

Immediate opening for a Plumbing Designer to join our team.

The successful candidate will be professional, self-motivated, energetic & enthusiastic with excellent communication and inter-personal skills and a desire to contribute to our continued success. Previous consulting engineering firm experience required.

We Value Your Experience Including the Following Qualifications, Technical Skills & Abilities:

Design and assist with designing Plumbing Systems for commercial, educational, health-care and military facilities.

- Prepare detailed layouts for all drainage and water supply systems for all types of facilities, piping & hydronic designs
- Research & select equipment from various manufacturers
- Complete fixtures / equipment schedules
- Perform calculations for a project, such as equipment selection and sizing, fixtures calculations, product specifications, and design and layout for roof drains, sanitary lines, and water lines.
- Estimate construction costs and evaluate feasibility of construction
- Comprehensive understanding of Code Compliance
- Provide drafting support using AutoCAD and BIM to drafting staff

Qualifications & Requirements:

- A minimum 4 years of directly related experience in plumbing design or equivalent combination of education and experience.
- Recent relevant experience in the engineering/construction field
- Plumbing design from Schematic Design through Construction Administration
- Comprehensive knowledge of plumbing engineering fundamentals
- LEED – AP preferred
- Team-player: Demonstrated ability to effectively manage a projects and/or take direction from project managers
- Proficiency with MS Office and AutoCAD
- Strong verbal and writing communication skills

Be part of our team and design your success. We offer a stimulating and collaborative work environment with competitive salary & benefits and opportunities for advancement. We are proud to offer a variety of benefits including medical, dental, vision insurance, 401K match & much more.

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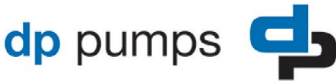
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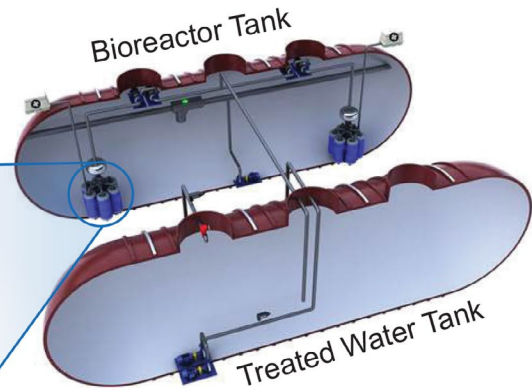
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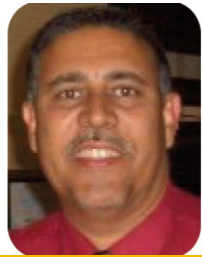
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