

# Orange Spiel

Juicy News from ASHRAE's Orange Empire Chapter



## MEETING INFORMATION

**TUESDAY, MARCH 19, 2019**

### EL ADOBE DE CAPISTRANO

31891 Camino Capistrano  
San Juan Capistrano, CA 92675

[CLICK HERE FOR DIRECTIONS](#)

Event Time . . . . . 5:30 – 9:00 p.m.

**PLEASE E-MAIL** (PREFERRED),  
**OR CALL WITH YOUR**  
**RESERVATIONS TO:**

Ryan Sibley c/o TK1SC  
[rsibley@tk1sc.com](mailto:rsibley@tk1sc.com)  
Direct: 949.751.5923  
Office: 949.751.5800

### PRICE SCHEDULE

Member . . . . .	\$45
Non-Member . . . . .	\$50
Student . . . . .	\$10
Member Day of Event . . . . .	\$50
Non-Member Day of Event . . . . .	\$55
Table Tops . . . . .	\$150

[CLICK HERE TO REGISTER ONLINE](#)

**IF CANCELLATION IS NOT  
RECEIVED YOU WILL BE BILLED  
FOR THE SESSION**

[SEE PAGE 4 FOR FAX ORDER FORM](#)

### NO TECHNICAL SESSION

### DINNER PROGRAM

*"Designing Buildings and Systems  
for Occupant Comfort"* by Peter  
Simmonds

### Orange Spiel Editor

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## FEBRUARY MEETING NOTICE

**TUESDAY, MARCH 19, 2019**

## JOINT MEETING WITH SAN DIEGO CHAPTER

### DINNER PROGRAM DESIGNING BUILDINGS AND SYSTEMS FOR OCCUPANT COMFORT

**Bonus: GBCI Approved for 1 CE Hour  
(0920010411) & AIA Approved for 1  
Learning Unit (SIMMONDS02)**

ASHRAE Standard 55 - Thermal Environmental Conditions for Human Occupancy - has been modified to include the ISO PMV algorithm, equations and a computer program listing. It has also been modified to include some adaptive response guidance for occupants in non-mechanically ventilated/air conditioned buildings.

These changes are considerable, and will allow the Standard to be used far more effectively than prior versions, but also breaks new ground in several areas. The possibility of Standard 55 being "Code-intended" exists and therefore explanations and examples must be produced to substantiate the application of Standard 55 for building and system design. All of these issues are discussed in this presentation.

Our speaker, Peter Simmonds, PhD ASHRAE Fellow & DL, is the Managing Director/Principal for Building and System Analytics, LLC, in the United Kingdom.

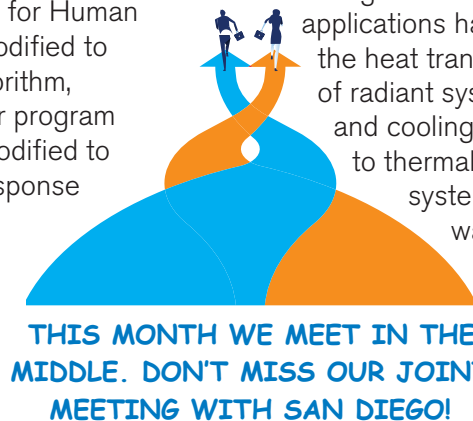
Dr. Simmonds has a Bachelor of Science degree in Mechanical Engineer

and one in Research & Development, from Reading Technical College, and a Master's degree from HTS, Den Bosch, the Netherlands, and a PhD from T.U Delft. He has been a member of ASHRAE since 1989.

Dr. Simmonds is a recognized authority in the field of radiant heating systems and cooling systems. The main goals of his research and applications have been to understand the heat transfer and performance of radiant systems for both heating and cooling. His studies related to thermal performance of these systems led to a unique way to enhance these systems. Publications of his work led to the development of radiant systems in the USA and are included in the

ASHRAE handbooks. He has received the Carter Bronze Medal from the Chartered Institution of Building Services Engineers in 1993.

He has authored or co-authored more than 60 technical papers, articles and books, and currently is a Research Promotion Chair for the Southern California Chapter. He is a member of several ASHRAE Technical Committees. Dr. Simmonds also teaches Graduate and Post Graduate Architectural students at the Southern California Institute for Architects in Los Angeles. Please welcome, Dr. Simmonds. 🍊



**THIS MONTH WE MEET IN THE  
MIDDLE. DON'T MISS OUR JOINT  
MEETING WITH SAN DIEGO!**

## GREG'S BLOG

With the poppies in full bloom, the painted lady butterflies migrating and daylight savings behind us it can only mean one thing... spring is upon us and that means it's time for the joint meeting with our friends from San Diego. This year Orange Empire is hosting the meeting at El Adobe Restaurant in San Juan Capistrano on March 19th.

For the 2nd consecutive month we will be bringing you a Distinguished Lecturer (DL). Our dinner topic will be "Designing Buildings and Systems for Occupant Comfort" by Peter Simmonds. Peter's presentation is GBCI Approved for 1 CE Hour & AIA Approved for 1 LU, so hopefully you can make it out and take advantage. Also, if you haven't heard Peter speak before he's a pretty dynamic individual and it always makes for a good presentation.

Thank you to all the people



that made it out to the YEA Panel Discussion event 2 weeks ago. We had a very successful turnout with about 60 people. I hope all of our young engineers found the event very useful and informative.

With March being Women's History Month, I'd like to remind you that there will be a joint Women in ASHRAE social this Friday 3/22 at Ballast Point in Long Beach with our friends from So Cal and Tri-County. This event is open to any and every one. Please come and celebrate our Women in ASHRAE.

Thanks again for all the continued support this year. ASHRAE is a volunteer organization and the Chapter's success is dependent on all our members helping and supporting where they can. Please let me know if you have any comments or suggestions, we can always use the input and feedback to better the Chapter.

Every year, our Chapter is encouraged to have our members submit their projects for the ASHRAE Regional and National Technical Awards. We all work very hard at what we do and deserve the right to brag about

our projects. I want to encourage you to submit a project before the deadline mid-May. The 5 different project categories are Commercial Buildings (New, existing, existing commissioning), Institutional Buildings, Health Care Facilities, Industrial Facilities or Processes, Public Assembly, Residential. Thanks again to individuals at Kliever and Associates for their submission on Deep Retrofits in Low-Income Multi-Family Housing that won in the regional residential category last year for our chapter. Stay tuned for an email with more information.

Lastly, next month's meeting we will be back at the Phoenix Club on April 23rd. In addition to our dinner presentation, we will also be offering a technical session. The tech session will be Designing for Design Build, Reducing Design Time and Contractor Costs by Darren Smith. The dinner topic will be presented by Larry Sun and will be on Soft Skills and Keys to Success...From One Person's Perspective to Another.

Until next month, stay comfortable....

**Greg Glover** 🍊



## JOINT BALLAST POINT NETWORKING EVENT!

**FRIDAY, MARCH 22, 2019 / 3:00 PM – 7:00 PM**

The ASHRAE chapters of SoCal, Orange Empire and Tri-County are excited to present the first annual Women in ASHRAE networking event! The Event will be held at Ballast Point brewery in Long beach, and will include appetizers and drink tickets

The event will consist of lighthearted ice breakers and conversations about what it means to be a woman in an HVAC related field. Men are invited to attend and participate as well.

Space is reserved to 50 people so make sure to RSVP! [CLICK HERE TO RSVP](#)

A space for dinner will be reserved for those who want to continue socializing after the event. The dinner will be at Malainey Grille and Irish Pub (1 min walking distance from Ballast Point). Individuals will be responsible for paying for their own dinner. Please RSVP for the dinner if you think you might attend. 🍊



## 2019 ASHRAE BUILDING PERFORMANCE ANALYSIS CONFERENCE



**Sign up NOW for the 5th Annual LowDown Showdown that will take place at the 2019 ASHRAE Building Performance Conference September 25 – 27th in Denver, Colorado.**

**Unleash your innovative design and modeling skills, collaborate with project team members and showcase your building design to conference attendees!**

Here's your chance to join an integrated team that will compete for fun and prizes in the annual LowDown Showdown modeling competition. This year's 2019 Building Analysis Conference (BPAC) will center on the integration of building science into the design process. Innovation in modeling and analysis will be a driving force in defining high performance buildings of the future!

In that spirit, the 2019 LowDown Showdown model building will not only challenge participants to achieve "near net zero" but also to include design and modeling elements to create a resilient building capable of withstanding natural disasters and providing prolonged emergency operations.

And the 2019 model building is a 90,000 sf city town hall (new construction) located in San Diego, California. The facility will be a multi-functional building, housing many of the cities vital public services including being an Emergency Operations Center in times of disaster or crisis.

Bring your creative ideas and analytic thinking to the table as you design a new town hall for San Diego, California.

### OVERVIEW

The goal of the 2019 LDSd competition is to engage participants in a collaborative and fun learning experience that explores new advances in building science, modeling and technology. Teams are comprised of building analysts, designers, architects, engineers and other participants. Teams will be responsible for creating the architectural design and a performance analysis model based on model building data. The teams may use any software or a combination of software to complete their projects.

Each team will create and submit a poster of their building design, complete the performance analysis model and results spreadsheet and write a one-page narrative on project workflow. Teams will present their projects at the BPAC conference and be judged by a panel of industry experts who will select the winners. Teams will be judged on seven categories: Creativity, Innovative Approaches, Resilience, Workflow, Energy Use, Teamwork and Presentation.

Sign up now and be assigned to a team OR sign up with your friends and colleagues and create your own team.

The deadline to sign up to participate in the 2019 LowDown Showdown is April 1, 2019.

**[CLICK HERE TO SIGN UP NOW](#)**

Please send all questions to Christopher Preyor at [Cpreyor@ashrae.org](mailto:Cpreyor@ashrae.org).

**CHAPTER OFFICERS**

President ..... Greg Glover  
 President-Elect ..... David Lawson  
 Vice President ..... Ben Chesser  
 Treasurer ..... Brian Sybesma  
 Secretary ..... Mary Johnson

**BOARD OF GOVERNORS**

Jeff Conrad      Craig F. Hofferber  
 Eric Decker      Stephen J. Rawski, PE.  
 Ken Golovko      Matthew Waller, PE.

**CRC DELEGATE**

Greg Glover

**CRC ALTERNATE**

David Lawson

**ASHRAE  
 ORANGE EMPIRE CHAPTER**

**2018-2019  
 PARTIAL ROSTER**

**SPIEL DEADLINE**  
 The April deadline  
 for articles or ads is  
**FRIDAY,**  
**APRIL 12, 2019**

**COMMITTEES AND CHAIRPERSONS**

Attendance ..... TBD  
 Electronic Communications ..... Ryan Sibley  
 Government Affairs ..... Chris Farrington  
 Golf Tournament ..... Jeff Hanzel  
 Historian ..... Chris Mellen  
 K-12 STEM ..... Greg Glover  
 Membership Promotion ..... Jeff Hanzel  
 Newsletter Editor ..... Robert Hagstrom  
 Programs ..... TBD  
 Refrigeration ..... Jeff Conrad/ Ben Chesser  
 Research Promotion ..... John Sawyer  
 Student Activities ..... Eric Decker  
 Table Top Displays ..... TBD  
 Technology Transfer ..... Ben Chesser/David Lawson  
 Webmaster ..... Ryan Sibley  
 Women in ASHRAE ..... Mary Johnson  
 YEA ..... Jack Walsh/Kevin Smith



**SHARE YOUR EXPERTISE!**

Submit an article for publication in next month's Orange Spiel. Contact your editor today!

**PLEASE RSVP FOR THE MARCH 19 MEETING**

by Thursday, March 14, 2019 at noon, Cancellations by Monday, March 18, 2019 at noon  
*(non-cancellations will be billed)*

**Ryan Sibley c/o TK1SC Direct: 949.751.5923 • Office: 949.751.5800 • E-mail: [rsibley@tk1sc.com](mailto:rsibley@tk1sc.com)**

MEMBER:  \$45.00 | NON-MEMBER:  \$50.00 | STUDENT:  \$10.00

MEMBER Day of Event:  \$50.00 | NON-MEMBER Day of Event:  \$55.00 | Table Tops:  \$150.00

Name(s): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Company: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

To be removed from our e-mail list, please notify Ryan Sibley at 949.751.5923 or email [rsibley@tk1sc.com](mailto:rsibley@tk1sc.com) or Steve Rawski at e-mail [srawski@semprautilities.com](mailto:srawski@semprautilities.com)

**PLEASE DO NOT CONTACT THE RESERVATION LINE TO REMOVE YOUR FAX NUMBER FROM OUR LIST**

## ORANGE EMPIRE CHAPTER

### WINTER/SPRING 2018/19 SCHEDULE

#### MEETING LOCATIONS:

#### EL ADOBE DE CAPISTRANO

31891 Camino Capistrano  
San Juan Capistrano, CA  
92675

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#### SEPTEMBER 25, 2018

*Tech: (Condensed) Centrifugal Pump Series*

*Dinner: U.S. Department of Energy Pump Conservation Standards*

*Theme: Energy Night*

*Place: Phoenix Club, Anaheim*

#### OCTOBER 23, 2018

*Dinner: Seismic Code Updates for Bracing of Distribution Systems (Duct, Mech Pipe, and Plumbing Pipe)*

*Theme: Joint Meeting with ASPE*

*Place: Phoenix Club, Anaheim*

#### NOVEMBER 13, 2018

*Tech: Measurements and Verification, Part II: The Variable Air Volume Box!*

*Dinner: Future Thinking about the Net Zero Hospital*

*Theme: Research Night*

*Place: Phoenix Club, Anaheim*

#### DECEMBER 12, 2018

*Dinner: Building Our New Energy Future*

*Theme: Joint Meeting with So. California Chapter – YEA Night*

*Place: So Cal Gas Energy Resource Center*

#### JANUARY 15, 2019

*Dinner: Current and Future Chiller Refrigerants*

*Theme: Joint Meeting with ASHRAE Tri-County Chapter – Refrigeration Night*

*Place: Phoenix Club, Anaheim*

#### FEBRUARY 26, 2019

*Tech: Expansion Tank Sizing*

*Dinner: Hydronic Piping with PEX*

*Theme: Membership Promotion Night*

*Place: Phoenix Club, Anaheim*

#### MARCH 19, 2019

*Dinner: Designing Buildings and Systems for Occupant Comfort*

*Theme: Joint Meeting with San Diego Chapter*

*Place: El Adobe, San Juan Capistrano*

#### APRIL 23, 2019

*Tech: Designing for Design Build, Reducing Design Time and Contractor Costs*

*Dinner: Soft Skills and Keys to Success...from One Person's Perspective to Another*

*Theme: Student Night*

*Place: Phoenix Club, Anaheim*

#### FRIDAY, MAY 17, 2019

*Dinner: 2019-2020 Installation Night Dinner*

*Theme: Officer and Board Installation*

*Place: Phoenix Club, Anaheim*



# Orange Spiel



[www.orangeempirearise.weebly.com](http://www.orangeempirearise.weebly.com)

#### MEETING SUMMARY

**TUESDAY,  
MARCH 19, 2019**

#### NO TECHNICAL SESSION

#### DINNER PROGRAM

*"Designing Buildings and Systems for Occupant Comfort"* by Peter Simmonds

**Orange Empire ASHRAE**  
2312 Park Avenue, #407  
Tustin, CA 92782