

# Orange Spiel



Juicy News from ASHRAE's Orange Empire Chapter



## MEETING INFORMATION

**TUESDAY, APRIL 25, 2017**

### HOLIDAY INN

2726 S. Grand Avenue  
Santa Ana, CA 92705  
(see map on page 4)

Event Time.....6:00 – 9:00 p.m.

### PLEASE E-MAIL

(PREFERRED),  
PHONE, OR FAX YOUR  
RESERVATIONS TO:

Carlton Haywood  
c/o Signet Controls, Inc.  
[carlonh@signetcontrols.com](mailto:carlonh@signetcontrols.com)  
Phone (805) 990-8846  
Fax (877) 888 4648

### PRICE SCHEDULE

Members (before 4/18)..... \$40.00  
Members (after 4/18) ..... \$45.00  
Non-Member (before 4/18).... \$45.00  
Non-Member (after 4/18)..... \$50.00  
Student..... \$20.00  
At the Door ..... \$55.00

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

SEE PAGE 4 FOR FAX ORDER FORM

### DINNER PROGRAM

*“Strategic Partnerships Drive  
Technology Advancement for  
Infrastructure Projects”* by Kat  
Janowicz

### NO TECHNICAL SESSION

#### Orange Spiel Editor

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## APRIL MEETING NOTICE

**TUESDAY, APRIL 25, 2017**

### DINNER PROGRAM STRATEGIC PARTNERSHIPS DRIVE TECHNOLOGY ADVANCEMENT FOR INFRASTRUCTURE PROJECTS

Every day innovators are developing transformative technologies to solve global challenges or just to simplify our daily lives. Some examples of these transformative technologies or existing technologies using innovative approach or business models that relate to HVAC industry are:

1. Advanced thermal mass materials
2. Advanced thermal storage systems
3. Transient plasma
4. Geothermal heat pump hybrid systems
5. Demand management

There is universal recognition that increased air conditioning needs intensify energy and water impacts to projects. With growing energy demand, HVAC design attributes are now more so integral in master planning and strategic energy plans. HVAC designers need to recognize their roles in, and the opportunities afforded by, these master plans and recognize the need to integrate their designs with transformative technologies.

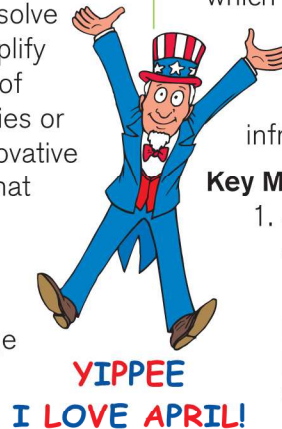
In master planning, HVAC designers need to create targeted and meaningful collaborations with key stakeholders, including contractors, owners and end users, community, and technology providers. They also need

to focus on how HVAC integrates with other aspects of a project design. This presentation is intended to inspire the audience in creating new opportunities and projects which ultimately support the local communities, advance technology, enhance economic development, and improve our infrastructure.

#### Key Messages / Learning Objectives:

1. Strategic partnerships are effective ways to collaborate. Examples of successful strategic partnerships between technology providers and industry, and strategies to create them, like developing innovative ways of seeking funds related to the technology advancement and deployment.
2. Inspire HVAC design community to create new technology collaborations in support of opportunities and projects which ultimately support the local communities, advance technology, enhance economic development, and improve our infrastructure.

Our presenter is Kat Janowicz, MSME, MBA, CEM, LEED GA, ENV SP, President of 3COTECH. She is a leader, strategist, and entrepreneur with twenty years of experience in commercial and industrial infrastructure for the energy, transportation, goods movement, and construction sectors. (See **DINNER PROGRAM** page 2)



## ERIC'S BLOG

Welcome to our last dinner program of the 2016-2017 year. I'm excited to close out the year with a great presenter on master planning. Thank you for everyone's continued support of our Chapter - either simply attending the many meetings in the past or even more, volunteering your time to help keep the organization running smoothly.

I appreciate everyone's time and effort helping the Chapter function.

Included in that thanks is



everyone who is volunteering to help out at the 2017 ASHRAE Conference in Long Beach. Just like our Chapter, these events could not happen without the help of fellow volunteers.

Looking forward to enjoying our last technical meeting of the year as well as seeing you at the 2017 Summer Conference. As always, please feel free to let me know any comments or suggestions you have that could better our Chapter. Sincerely, **Eric Decker, President 2016-2017, ASHRAE Orange Empire** 🍊

## DINNER PROGRAM

(continued from page 1)

Kat brings a wide range of expertise in sustainability, energy, and resilience. She developed business strategies for the national and international energy/transportation markets and remains a driving force for energy planning and efficiency procurements.



**Dinner Speaker  
Kat Janowicz**

Kat coached, mentored, and advised, both entrepreneurs and established firms. She worked with PortTechLA and Cleantech Open. Kat is the President of 3COTECH, Co-Founder and COO of Braid Theory 🍊

## REMEMBERING SIMON RAMO, PHD, FOREFATHER OF MODERN INDUSTRIAL PROCESS CONTROL

**From ISA Intech Magazine as a letter to the editor. INTECH JULY/AUGUST 2016**

Simon Ramo, PhD (1913-2016), who passed away June 27, 2016 at the age of 103, was instrumental in initiating modern industrial process control in the mid-1950s. Ramo was an engineering visionary whose primary field of innovation was aerospace, but who developed sensor-based real-time digital computing technology as a necessary tool for accomplishing his work. He predicted this tool would have wide-ranging potential in many other fields. Simon entered into a partnership with Dean Wooldridge, PhD, founding Ramo-Wooldridge

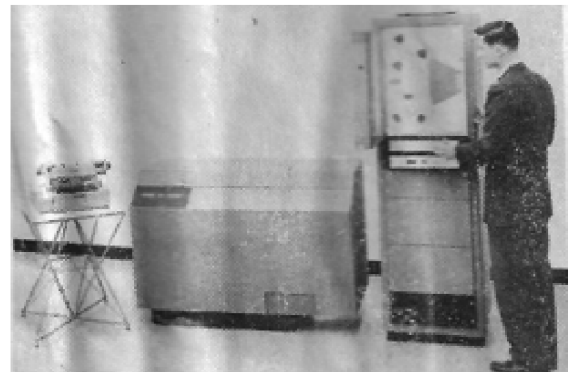


Corporation, an early manufacturer of sensor-based computers in the San Fernando Valley, CA. The company made the RW-300, one of the first all-transistor computers. Many, if not most of the computer process control systems installed before 1960 were based on the RW-300 design.

The first closed-loop (sensor to actuator) control implemented in the petroleum-chemical industry was on March 15, 1959 for a catalytic isomerization unit in Texaco's Port Arthur Refinery, using an RW-300.

Although the potential for computer based industrial control had been discussed as early

as 1948 by researchers at MIT and 1952 by researchers at Shell Development, it was Ramo-Wooldridge that provided "boots on the ground" to bring this vision to reality. Ramo-Wooldridge later merged with Thompson Products in the 1960s to become Thompson-Ramo-Wooldridge (TRW); now a part of Northrup-Grumman in El Segundo, CA. 🍊



**TRW RW-300 console model computer**

# Women in ASHRAE HAPPY HOUR

## WHEN

**Monday, June 26th  
4:30-6:30pm**

## WHERE

**BO-beau Kitchen + Roof Tap**  
144 Pine Ave, Long Beach, CA  
(walking distance from HQ Hotel)



**Enjoy good company, California-French comfort food,  
and a pool table at a “roof tap” beer garden in  
Downtown Long Beach!**

## TICKETS

# \$20

**(includes food and 2  
drink tickets)**

**Space is limited –  
Register today!**

## ALL ARE WELCOME!

**WiA celebrates  
gender diversity so  
the event is open to  
women & men!**

## REGISTER HERE:

**[bit.ly/wiahappyhour](http://bit.ly/wiahappyhour)**





**CHAPTER OFFICERS**

President .....Eric Decker  
 President-Elect..... Kenneth Golovko  
 Vice President..... Derrick Wyka  
 Treasurer..... Greg Glover  
 Secretary .....Carlton Haywood

**BOARD OF GOVERNORS**

Craig F. Hofferber  
 Stephen J. Rawski, P.E.  
 John Sawyer  
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**CRC DELEGATE**

Eric Decker

**CRC ALTERNATE**

Kenneth Golovko

**ASHRAE  
 ORANGE EMPIRE CHAPTER**

**2016-2017  
 PARTIAL ROSTER**

**SPIEL DEADLINE**  
**The May deadline**  
**for articles or ads is**  
**FRIDAY,**  
**MAY 12, 2017**

**COMMITTEES AND CHAIRPERSONS**

Attendance.....Carlton Haywood  
 Electronic Communications....David Yancosky  
 Golf Tournament..... Dan Davitt  
 GGAC ..... Michael Garabedian  
 Historian ..... Craig F. Hofferber  
 Membership Promotion ..... Jeff Hanzel  
 Newsletter Editor.....Robert Hagstrom  
 Programs .....Derrick Wyka  
 Refrigeration .....David Yancosky  
 Research Promotion ..... John Sawyer  
 Student Activities.....Margaret Peterson  
 Table Top Displays .....Greg Glover  
 Webmaster/Homepage Editor..David Yancosky  
 YEA Chair..... Charlotte Wan Dean



**April 25, 2017  
 Meeting Location Map**



**ORANGE  
 SPIEL  
 AD RATES**

1/4 Page.....	\$25
1/3 Page.....	\$35
1/2 Page.....	\$50
Full Page.....	\$100
Business Card.....	\$ 25
Website Ad.....	\$100

Contact your Spiel Editor,  
 Robert Hagstrom, P.E.  
 c/o SCE  
 (626) 633-3432  
[Robert.Hagstrom@sce.com](mailto:Robert.Hagstrom@sce.com)



**PLEASE RSVP FOR THE APRIL 25 MEETING**

by Thursday, April 20, 2017 at noon, Cancellations by Monday, April 24, 2017 at noon  
*(non-cancellations will be billed)*

**Carlton Haywood c/o Signet Controls, Inc.**

**Phone (805) 990-8846 • Fax (877) 888 4648 • E-mail: [carlonh@signetcontrols.com](mailto:carlonh@signetcontrols.com)**

ASHRAE MEMBERS:  \$40 (\$45 late) | NON-MEMBERS:  \$45 (\$50 late) | STUDENTS:  \$20 | AT THE DOOR:  \$55

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



Menu Choice:

1.  2.  Company: \_\_\_\_\_  
 1.  2.  Telephone: \_\_\_\_\_  
 1.  2.  E-mail: \_\_\_\_\_

To be removed from our e-mail list, please notify Chris Tindall at (949) 296-3136 or email [ctindall@mcparlane.com](mailto:ctindall@mcparlane.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 2016/17 SCHEDULE

#### MEETING LOCATION:

#### HOLIDAY INN

2726 S. Grand Avenue  
Santa Ana, CA 92705

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#### SEPTEMBER 27, 2016

*Dinner: Arena Ventilation*

*Theme: Membership Appreciation*

*Place: Holiday Inn, Santa Ana*

#### OCTOBER 25, 2016

*Tech: Optimizing Tomorrow's Steam System  
Through Knowledgeable Design Today*

*Dinner: How Not To Design a Steam System*

*Theme: Steam Night*

*Place: Holiday Inn, Santa Ana*

#### NOVEMBER 15, 2016

*Event: Water Chemistry & IAQ – A Soup  
to Nuts Look at Indoor Waterpark  
Environments*

*Theme: Joint Meeting with ASPE*

*Place: Great Wolf Lodge, Garden Grove*

#### DECEMBER 13, 2016

*Dinner: Adapt Today to Shape Tomorrow"*

*Theme: Joint Meeting with Tri-County Chapter*

*Place: Quiet Cannon, Montebello*

#### JANUARY 17, 2017

*Dinner: Refrigeration and Microbrewery Tour*

*Theme: Refrigeration and Membership Night*

*Place: JT Schmid's Anaheim*

#### FEBRUARY 28, 2017

*Dinner: A New Air System Design Concept  
Using Chilled Boxes*

*Theme: Research and Past Presidents Night*

*Place: Holiday Inn, Santa Ana*

#### MARCH 21, 2017

*Dinner: Engineering a Successful Water  
Treatment Program*

*Theme: Joint Meeting with San Diego,  
Hosted by Orange County Chapter*

*Place: El Adobe Restaurant, San Juan  
Capistrano*

#### APRIL 25, 2017

*Dinner: Strategic Partnerships Drive  
Technology Advancement for  
Infrastructure Projects*

*Theme: Student Night*

*Place: Holiday Inn, Santa Ana*

#### MAY 23, 2017

*Theme: Officer and Board Installation and  
Golf Tournament*

*Place: TBD*



# Orange Spiel



[www.oeashrae.org](http://www.oeashrae.org)

#### MEETING SUMMARY

**TUESDAY,  
APRIL 25, 2017**

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*"Strategic Partnerships  
Drive Technology  
Advancement for  
Infrastructure Projects"*  
by Kat Janowicz

#### NO TECHNICAL SESSION

#### Orange Empire ASHRAE

P.O. Box 15603

Santa Ana, CA 92735