As we get set to kick off our 2014-2015 Tri-County ASHRAE season, let’s take a moment to review ASHRAE’s core values...

**Excellence**
ASHRAE education, technical information and all other activities and products will always reflect the best practices that lead our industry. We strive for continuous improvement and innovation in all our practices and products.

**Commitment**
ASHRAE and its members are passionate about serving the built environment, creating value, and recognizing the accomplishments of others.

**Integrity**
ASHRAE is committed to the highest ethical standards. We work transparently, observing essential requirements for due process and peer reviews to assure our members and stakeholders that we do the right things the right way.

**Collaboration**
ASHRAE seeks and embraces collaborative efforts with organizations, agencies, and individuals sharing our commitment to sustainable built environments.

**Volunteerism**
Members lead ASHRAE at every level, serving ASHRAE and helping ASHRAE serve society.

**NOTE:** Statements made in this publication are not the expressions of the Society or of the Tri-County chapter but may not be reproduced without special permission of the Tri-County chapter.
Looking for a unique marketing opportunity?
We’ve got a deal for you!
For only $50 (that’s right, only $50!) you and many more can see your business card appear on THIS PAGE of THIS PUBLICATION for the 2014-2015 Tri-County ASHRAE season!

Now that you’re interested, send a *.jpg version of your business card to Felix Monterroso at ashraetricounty@gmail.com while sending a check for $50 made out to Tri-County ASHRAE.
Felix will let you know where to send the check when you send your business card file to him at the above e-mail address.

THANK YOU FOR YOUR SUPPORT!!!

FELIX MONTERROSO
TCSH Editor
“Embedded Tube Radiant Cooling Systems”

The Tri-County Chapter cordially invites you to attend the “Radiant Cooling Systems” presentation this coming Tuesday February 17, 2015.

Our guest speaker, Devin Abellon, Regional Vice Chair in Region X and ASHRAE distinguished lecturer, will present on how radiant cooling design strategy embodies the integration of architectural design and HVAC systems design to target energy efficiency and comfort.

Radiant cooling is an integrated design strategy where the thermal mass of the building itself is used to effectively manage comfort within the occupied space.

With over 19 years of experience in the HVAC industry with a focus on engineering and consulting, professional engineer Devin Abellon will explore the fundamental concepts of how radiant cooling systems work, how they are designed, constructed and controlled, and how they can be used as part of an energy-efficient design solution to maximize energy performance.

So don’t miss out on this presentation, which will help you answer critical questions about the main objectives of Radiant Cooling Systems; alternative systems that continue to gain momentum in North America.
Smart Laboratory Ventilation Control:

At our January meeting Roman Zaretsky unraveled the mysteries of how to maintain strict ventilation design requirements for critical environments such as laboratories, while integrating energy efficient strategies. As every problem-solving strategy begins, he began by first identifying laboratory key issues that would need to be addressed, for above all else, indoor air quality (IAQ) must be maintained within code enforced limitations.

In many cases, existing ventilation systems would need to be refurbished or upgraded to support modern technologies, depending on the age and design of the existing system. Roman explained that the existing HVAC system should be investigated in detail to identify any losses within the system, e.g. air leaks or debris within ductwork. Once all repairs or upgrades have been completed, energy efficient strategies could be implemented through the use of sophisticated air flow controls and strategic programming. Careful considerations would need to be made that would not jeopardize the IAQ of the laboratories. Some control strategies that Roman presented included demand control ventilation, the use of occupancy sensors and advanced fume extraction devices.

This is but a brief summary of the presentation and discussion which took place at our January meeting. For questions or more information regarding smart laboratory ventilation control, Roman Zaretsky has shared his contact info below.

Roman Zaretsky, CEO
Zaretsky Engineering Solutions, Inc.
roman@zaretskyengineering.com
(714) 788-9875
Last month, Tri-County welcomed guests speaker Roman Zaretsky who presented on ventilation design requirements for critical environments such as laboratories. The presentation was informative and of great importance for the energy efficient oriented ASHRAE Tri-County members. It was another great night of learning and networking!

Photos courtesy of Ryan Rodriguez.
Goss Engineering is looking for a licensed Mechanical Engineer with HVAC design experience.

GEI is seeking a licensed Mechanical Engineer who will assist on MEP study and design projects, from conceptual design through construction administration. The ideal Mechanical Engineer should have experience preforming engineering calculations for airside and waterside projects.

The ideal candidate will:

- Be a licensed professional engineer (PE) in Mechanical Engineering
- Have, at a minimum, a Bachelor’s Degree in Mechanical Engineering
- Have, at a minimum, 5 years of project experience in mechanical design
- Be proficient with HVAC calculation software, including TRACE 700 and EnergyPro
- Be proficient with Microsoft Office Suite
- Be proficient with AutoCAD
- Have experience preparing bid documents
- Have a working knowledge of California codes, including CMC, CBC, and Title 24
- Be familiar with HVAC industry standards, including ASHRAE and SMACNA
- Be detailed-oriented, with an eye for superior Quality Control / Quality Assurance
- Have superb communication skills

Contact:
Human Resources
jobs@gossengineering.com
2014-2015 PARTIAL ROSTER

Officers

President
Ryan Rodriguez
Willdan Energy Solutions — 626-260-6623

President-Elect
Shaw Gentry
Goss Engineering, Inc. — 951-233-1827

Treasurer
Ian Villazana
Willdan Energy Solutions — 714-278-8325

Secretary
Chris Robles
DMG — 562-692-1277

Board of Governors

John Garcia
RF MacDonald Company — 714-412-1534

Jaime Lopez
Southern California Gas — 951-533-1121

Adam Stadnik
Southern California Edison — 909-261-7632

Committee Chairs

Historian
Jim Toda
Custom Cooling Company — 909.599.9222

Resource Promotion
Joe Sanders
DMG — 951-310-3235

Student Activities
Mike Lo
Southern California Edison — 626.633.3035

Newsletter Editors
Adam Stadnik
SCE Business Solutions — 909-261-7632

Felix Monterroso
Willdan Energy Solutions — 626.629.9658

Home Page Webmaster / Technology Transfer
Erick Delgado
Air Conditioning Specialties Co. — 626-840-9001

Jim Toda
Custom Cooling Company — 909.599.9222

Joe Sanders
DMG — 951-310-3235

Mike Lo
Southern California Edison — 626.633.3035

Adam Stadnik
SCE Business Solutions — 909-261-7632

Felix Monterroso
Willdan Energy Solutions — 626.629.9658

Erick Delgado
Air Conditioning Specialties Co. — 626-840-9001

Everyone in Tri-County is responsible for building a better tomorrow!

1988-1989 SUKHEDEVMATHAUDHU
1989-1990 SUKHEDEVMATHAUDHU
1990-1991 JEFFLEONARD
1991-1992 DELTHOMAS
1992-1993 TONEYPIERCE
1993-1994 GREGMORIN
1994-1995 TONYHENKEL
1995-1996 JOHNHAVILAND
1996-1997 JOELCARTER
1997-1998 CHANDRACHINDE
1998-1999 JIMTODA
1999-2000 RICHARDMCLINDE
2000-2001 KERRYPARKER
2001-2002 DEBRACHAVIDA-SMITH
2002-2003 LUCASHYMAN
2003-2004 JOESANDERS
2004-2005 BOBGASTEL
2005-2006 ARTANDRES
2006-2007 JIMPARKER
2007-2008 KYLELANDIS
2008-2009 RICKCREED
2009-2010 ROBERTMORSE
2010-2011 TIMHALD
2011-2012 JAIMELOPEZ
2012-2013 ERICKDELGADO
2013-2014 NICOIRROSNER

— journal of the tri-county chapter of the —

American Society of Heating, Refrigerating, and Air Conditioning Engineers

ASHRAE, founded in 1894, is an international organization of 55,000 persons. Its sole objective is to advance through research, standards writing, publishing and continuing education the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve the evolving needs of the public.

7