



EVENT SPONSOR



ASHRAE 62.1 MULTIZONE DESIGN EQUATIONS



AGENDA

- Review requirements of ASHRAE Standard 62.1 2016 ventilation rate procedure (VRP)
- Review single zone, 100% outdoor air, and multiple zone constant volume (CV) systems
- Evaluate variables that are important in VAV systems

DISTINGUISHED LECTURER:

HOY BOHANON, PE

NETWORKING: 11:30-12:00

PRESENTATION: 12:00-1:00

\$20.00 ADMISSION

INCLUDES LUNCH



7640 N Wickham Rd, Melbourne, FL 32940



1 PDH

9-12-17



The Capsule

Newsletter for the ASHRAE Spacecoast Chapter and ASME Canaveral Section

August 2017 Issue

Message from the ASHRAE Chapter President

By **Lee Guthrie**
ASHRAE Spacecoast Chapter President

Welcome to the 2017-2018 ASHRAE Year. I want to thank Denny Bowers for all of his efforts as President last year. We increased our membership, held many great technical seminars and 2 very successful golf tournaments. I also want to give a big thank you to all of those that served on committees, Board of Governors, and leadership positions.

We need volunteers like you to keep making our chapter great. If you have a couple of hours, and I mean only a couple of hours each month, it would help to make this chapter the best in the region.

We have many great seminars planned for this coming year and we are very excited to have Distinguished Lecturer Hoy Bohanon, PE as our speaker for the September Technical Session.



Use of the multiple spaces equation is now a code requirement in many areas and is a requirement of LEED for any new building that uses multiple space ventilation systems. Why is the equation there? How do you use the equations? What are the two options? Does the system approach make a difference in the quantity of outdoor air required? This presentation presents answers and discussion points for these important questions.

Lee Guthrie
PresidentElect@SpaceCoastASHRAE.org.

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3 Employment Opportunities

Coming up

September Technical Seminar
DL – Hoy Bohanon, PE
ASHRAE 62.1 Multizone Design Equations
Tuesday, May 9, Tuscany Grill
Networking: 11:30 am
Lunch and Seminar: 12:00 pm

October Technical Seminar
Speaker : Kristina Gonzalez, NASA
Topic: International Space Station
HVAC System
Florida Beer Company
Cape Canaveral, FL
www.SpaceCoastASHRAE.org.

Programs

Our Technical Seminars are on the 2nd Tuesday of every month at Tuscan Grill, unless otherwise noted. The cost for attendees is \$20, which may be paid at the event or online at www.SpaceCoastASHRAE.org

September 12 (Tuesday)

**ASHRAE-ASME-USGBC Joint Technical Seminar
YEA Night**

Speaker:

ASHRAE Distinguished Lecturer Hoy Bohanon, P.E.

Topic:

ASHRAE 62.1 Multizone Equations

Tuscany Grill

(7640 N Wickham Rd, Melbourne, FL 32940)

Networking at 11:30 am;

Lunch and Presentation at 12:00 pm

Worth 1 FBPE PDH

Sponsored by **CosaTron**

October 10 Tuesday

**ASHRAE-ASME-USGBC Joint Technical Seminar
GGAC Night**

Speaker: Kristina Gonzalez, NASA

Topic: International Space Station HVAC System

Florida Beer Company

(200 Imperial Blvd, Cape Canaveral, FL 32920)

Presentation at 5:00 pm

Worth 1 FBPE PDH

Sponsored by **Envelop Facility Technologies,
Moon Express, and SpaceX**

November 9, Thursday

ASHRAE-ASME-USGBC Joint Technical Seminar

Speaker:

ASHRAE Distinguished Lecturer Chuck Gullede, P.E.

Topic: Industrial Green Design

Sonny's BBQ

(310 N Courtenay Pkwy, Merritt Island, FL 32953)

Presentation at 5:00 pm

Worth 1 FBPE PDH

Sponsored by **Evaptech and I.C.E.**

**December 12, Tuesday Evening
Past Presidents Night**

Location: TBD

January 9, Tuesday

ASHRAE-ASME-USGBC Joint Technical Seminar

Speaker: Bjarne Olesen, ASHRAE Society President

Topic: Radiant Cooling for Humid Climates

Would you be interested in presenting a cutting-edge technology or discussing technical methods to an avid audience of engineers? To schedule your speaking engagement at an upcoming ASHRAE-ASME-USGBC Technical Seminar, please e-mail Programs@SpaceCoastASHRAE.org.

ASHRAE Certifications

Here is one way you can make the most of your ASHRAE membership: **Sign up to become certified by ASHRAE!**

Demonstrate competency in critical building commissioning knowledge, skills and abilities, elevate your reputation among peers, in the workplace and among clients, and [comply with local, state and federal requirements](#).

ASHRAE certification programs:

- Are developed by industry practitioners who understand the knowledge and experience that are expected for superior building design and system operation;
- Assure employers and clients of subject mastery;
- Serve as a springboard for continued professional development; and
- Offer an easy-to-apply process.

For more information, [click here](#).

**Would you and/or your company
like to be recognized in the
newsletter and chapter website?**

Donate a \$100 to ASHRAE Research and have it designated for the Spacecoast ASHRAE Space Congress Scholarship. Donations accepted online at www.spacecoastashrae.org or by bringing your \$100 donation to our monthly meeting.

It is that easy and very much appreciated!

Employment Opportunities

Mechanical Project Manager

TLC Engineering for Architecture, a dynamic and growing National Engineering firm, is seeking qualified and motivated Mechanical Project Managers interested in working on a wide range of engineering projects that include the HVAC design of large-scale buildings. This firm has designed over 318 LEED projects.

RESPONSIBILITIES:

- Diverse design experience in mechanical systems
- Coordinate efforts between Mechanical, Electrical, Plumbing, and Structural disciplines to ensure team collaboration in order to achieve project goals.
- Coordinate activities of team members and assist in production needs to meet deadlines.
- May function as EOR or Project Engineer if licensed

REQUIREMENTS:

- 6+ year of experience in similar Architectural Engineering, MEP or Engineering consulting firm.
- Project Management experience with ability to market engineering services.
- Prior experience on multi-site projects a plus.
- Proficiency in AutoCAD or revit.
- BSME or BSAE from an ABET accredited engineering program is preferred, but not required.

BENEFITS:

A comprehensive benefits package which includes;

- Competitive Salary and Paid Time Off
- Medical, Dental, Vision, Flexible Spending
- 401K with company match
- Flexible schedules

For those interested in the job opening, please refer to www.tlc-engineers.com.

Manager – Energy & Resource Conservation

Starting Salary Range - \$66,734 Minimum / \$82,242 Mid-point / \$100,502 Maximum

Qualifications:

- Bachelor's Degree in Mechanical Engineering, Energy Management, or related field from an accredited educational institution required.
- Registered as a Professional Engineer preferred.
- Five years' experience in HVAC/R design and construction, facilities energy management, or related field.

- Three years' supervisory experience with the above experience.
- Certified Energy Manager Certification required within one year of employment.
- Valid Florida Driver License.

Location: 2700 Judge Fran Jamison Way, Viera, FL 32940

Please send resume to:

By Mail: Suzie Gilmore, Facilities Department, 2700 Judge Fran Jamieson Way, Viera FL 32940

Fax: 321 633-4646

Contact: 321 633-1000x450

E-mail: Gilmore.suzie@brevardschools.org

JOB DESCRIPTION:

1. Manage, develop, research, and implement District-wide energy and resource conservation programs.
2. Analyze, Investigate, and test new energy and resource conservation concepts and products.
3. Establish utility consumption targets District-wide and for individual facilities.
4. Effectively communicate energy and resource conservation programs, goals, and results to site administrators and general public in writing, in oral presentation, and on the District website as applicable.
5. Prepare fiscal year-end utility cost projections and estimate utility costs for future fiscal years.
6. Serve as an engineering advisor to the Facilities Staff staff.
7. Prepare performance specifications for electrical, mechanical, and energy conservation projects.
8. Coordinate and interpret School Board engineering standards for consulting engineers.
9. Review construction, renovation, or remodeling project plans and specifications to assure compliance with District design standards and applicable laws, rules and regulators applicable to energy.
10. Manage mechanical, electrical, and energy conservation construction projects and related professional services as required.
11. Supervise department and administrative staff as necessary to achieve energy and resource conservation program goals.
12. Perform other duties as assigned commensurate with the skills and abilities of the position.

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Michael F. Constantinide, PE
Principal Engineer

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Jim Park, CIEA, CIT, BPI | Energy Conservation Specialist

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For just \$75, have your company advertise for one year in The Capsule and recognized on the Chapter website.
Plus, your company will get a certificate and recognition at a Chapter seminar.
Purchase your Chapter sponsorship online at www.SpacecoastASHRAE.org.

Founded in 1894, ASHRAE's mission is to advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

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Curtis Smart	2004-2005
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John Constantinide	2014-2016
Denny Bowers	2016-2017

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Membership Promotion

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Resource Promotion & Grassroots Government Advocacy

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