



Spacecoast
Chapter



SETTING THE STANDARD

Canaveral Section

The Capsule

Newsletter for the ASHRAE Spacecoast Chapter and ASME Canaveral Section

March 2017 Issue

Message from the ASHRAE Chapter President

By **Dennis L. Bowers, P.E., C.E.M**
ASHRAE Spacecoast Chapter President

Did you know that our Chapter members are inspiring students to pursue engineering?

Whether through our ASHRAE Student Branches at the Florida Institute of Technology (FIT) and Embry-Riddle Aeronautical University (ERAU) or outstanding K-12 STEM activities, our members invest time to inspire students to be our future engineers. Here are a few activities I want to spotlight.

- Drs. Hamidreza Najafi and Sandra Boetcher are Student Branch Advisors at FIT and ERAU, respectively. They do a great job helping open doors for students to learn more about and get involved in our HVAC&R industry.
- Lee Guthrie is a mentor with Take Stock in Children and has invested hours in inspiring kids from grades 7-12.
- Lee, along with John Constantinide, represented our Chapter at the Take Stock in Children Career Fair in early February, inspiring students to pursue engineering careers.
- Our Space Congress® Endowed Scholarship Fund Golf Tournament is raising money to give ASHRAE Foundation Scholarships to deserving FIT and ERAU mechanical engineering students taking part in HVAC&R and energy systems curricula.

The Space Congress® Endowed Scholarship Fund Golf Tournament in that last bullet point is how we all, as a Chapter, can inspire the future. Along with being an exceptional networking event with the space industry, proceeds of our tournament will benefit the Space Congress Endowed Scholarship Fund, which is managed by the ASHRAE Foundation. I encourage you to be a sponsor and golfer in this win-win event!

Sign up for the tournament on the web at www.SpaceCoastASHRAE.org or use the form in this newsletter. And, sponsors can get more information by e-mailing Jake Rardin at RP@SpaceCoastASHRAE.org.

In this issue

2 Programs

3 Employment Opportunities

Coming up

February ASHRAE-ASME-USGBC
Technical Seminar
Tuesday, March 14, Tuscany Grill
Networking: 11:30 am
Lunch and Seminar: 12:00 pm

Space Congress® Endowed
Scholarship Golf Tournament
Friday, May 26
Cocoa Beach Country Club
Registration: 7:00 am
Shotgun Start: 8:00 am
Register or sponsor early at
www.SpaceCoastASHRAE.org.

Programs

By Akshay Bhargava, M.S.
ASHRAE Spacecoast Chapter
Newsletter Editor



Last month's technical seminar about water treatment options and systems for evaporative cooling systems was both informative and insightful for all who attended. We appreciate Mihir Kalyani of Evapco for traveling to the Space Coast and speaking to us. Our speaker for next seminar will be Steve Bassett with FL Engineering Society, who will be presenting on the topic, "The Power of One." This seminar counts for **1 FBPE PDH**.

Networking starts at 11:30 am, with the seminar with lunch at 12:00 pm. **Be sure to RSVP by sending an e-mail to Chapter@SpacecoastASHRAE.org. The Chapter needs a head count to reserve the proper room and spacing for the event.**



John Constantinide and **Nate Boyd**, of the ASHRAE Space Coast and Central Florida Chapters, respectively, accepted the Platinum Circle Award for the 2015-2016 ASHRAE RP Campaign on behalf of the Central Florida Region of the USGBC Florida Chapter. The award recognizes USGBC Central Florida for contributing over \$20,000 to the Women's Resource Counseling Center Renovation, a sustainability project of the ASHRAE Central Florida Chapter. Nate Boyd was one of the main proponents of the renovation for the Central Florida Chapter and served as Chapter President during the renovation. Along with his role in the Space Coast Chapter, Mr. Constantinide is also the Brevard County Liaison to the USGBC Central Florida Board of Directors.

Would you be interested in presenting 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](#).

Value of Certification

ASHRAE certification programs were founded to meet industry need as identified through market research and today provide value to many important stakeholders. Developed by subject matter experts, including those recruited from allied professional organizations, ASHRAE certification programs benchmark with the ANSI/ISO accreditation standards for personnel certification programs to help ensure quality. For the past 100+ years ASHRAE has worked hard to earn and maintain a worldwide reputation for being the leader in HVAC&R design. ASHRAE certification programs serve to reinforce that reputation.

Resource Promotion

Register for the Space Congress® Endowed Scholarship Fun Golf Tournament on Friday, May 26 at Cocoa Beach Country Club (5000 Tom Warriner Blvd., Cocoa Beach, FL 32931). Register for the tournament using the form on the next page or online at www.SpaceCoastASHRAE.org. Proceeds will benefit the Space Congress® Endowed Scholarship Fund through the ASHRAE Foundation.

Space Congress® is a registered trademark of the CCTS.

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:

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

1. Three years supervisory experience with the above experience.
2. Certified Energy Manager Certification required within one year of employment.
3. 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.

DURAN GOLF CLUB – SPACE CONGRESS SCHOLARSHIP GOLF TOURNAMENT

Benefitting the ASHRAE Space Congress
SCHOLARSHIP FUND

- LONGEST DRIVE PRIZE!
- CLOSEST TO PIN PRIZE!
- WORST TEAM PRIZE!
- CART PRIZES! – EVERYONE IS A WINNER!
- MULLIGAN TICKET RAFFLE FOR ½ HR GOLF PRO LESSON AT DURAN GOLF CLUB!
- TOSS TICKET RAFFLE FOR 1 HR GOLF PRO LESSON AT DURAN GOLF CLUB!
- MILLION DOLLAR (REALLY) PAR 3 HOLE IN ONE CHALLENGE!
- WIN A DRIVER ON ONE OF THE PAR 5 HOLES!

DURAN GOLF CLUB

Friday May 26th, 2017

Registration begins 7:00am

Shotgun start 8:30am

18 hole beach scramble

Go to www.Spacecoastashrae.org to
register your foursome and
sponsorships

DRINK CART WILL BE CIRCUALTING ALL DAY
HUGE LUNCH INCLUDED!

For any questions call or email Jake Rardin

RP@SpaceCoastASHRAE.org

317-402-8028

Repeat after me

“I can’t think of a better way to start the Memorial Day weekend”

Space Congress® is a registered trademark of the CCTS.

45th Annual Space Congress® Endowed Scholarship Fund Golf Tournament



WHEN: Friday, May 26, 2017

WHERE: Cocoa Beach Country Club
5000 Tom Warriner Blvd.
Cocoa Beach, FL 32931

ENTRY FEE: \$125.00 per Golfer

INCLUDES: Green Fees with Cart, Lunch, and Open Driving Range, Three (3) Drink Tickets, Awards & Prizes, Longest Drive and Closet to the Pin Holes

SPONSOR PACKAGES:

"Space Station" Tournament Level Sponsor: \$3,500

Includes Logo and name of Display, tournament flyers, course signage, (2) Golf Cart Sponsorships and two (2) foursomes

"Launch Pad" Tournament Level Sponsor: \$2,500

Includes Logo and name of Display, tournament flyers, course signage, one (1) golf cart sponsorship and one (1) foursome

"Spaceport" (1) Lunch Sponsor: \$2,000

Includes Display, Acknowledgement at Lunch, and One Foursome

"Mars Rover" Drink Cart Sponsors: \$750

Includes Display on Drink Cart

"Moon Rover" Golf Cart Sponsor: \$250

Includes Display on Select Golf Cart

"Astronaut" Hole Sponsor: \$150

Includes Sign at Hole

Time: 7:00AM Registration with free driving range use

8:00 AM Shotgun Start

Dress Code: Shirts must have collars, NO JEANS.

RSVP by April 21, 2017.

TEAM SPONSOR: _____

GOLFERS: 1. _____ 2. _____

3. _____ 4. _____

SPONSOR PACKAGES

Space Station: \$ 3,500 Launch Pad: \$ 2,500 Spaceport: \$ 2,000 GOLFERS __ @ \$125.00 Each \$ _____

Bringing Door Prizes? Yes ___ No ___ If Yes, Description: _____

Make checks payable to "ASHRAE Space Coast Chapter" with "Space Congress Golf Tournament" on the Memo line.

Mail this form and checks to: ASHRAE Space Coast Chapter
c/o Scott Seigel
1032 Jans Place
Melbourne, FL 32940

For more information or to submit entries, e-mail Jake Rardin at RP@SpaceCoastASHRAE.org.

Online reservations and payments may be made at www.SpaceCoastASHRAE.org.

Space Congress® is a registered trademark of the Canaveral Council of Technical Societies (CCTS).

Support our sponsors! They support ASHRAE.

Michael F. Constantinide, PE
Principal Engineer



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WOSB • 8(m)



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For just \$75, have your company advertise for one year in The Capsule
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Purchase your Chapter sponsorship online at www.SpacecoastASHRAE.org.

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

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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.

Chapter Past Presidents

Harry C. Fischer	1980-1981
Lyle Houser	1981-1982
Raymond E. Patenaude	1982-1983
Larry Curvin	1983-1984
Alan Sanford	1984-1985
Marvin Yarosh	1985-1986
Omar Hancock	1986-1987
Hardy Moore	1987-1988
James Poulin	1988-1989
Bernard Moltz	1989-1990
Henry Healy	1990-1991
Carter Quillen	1991-1992
Brian Curtin	1992-1993
Don Shirey III	1993-1994
Mosby West	1994-1995
Kevin Riley	1995-1996
Bill Ruppert	1996-1997
Dave Johnson	1997-1999
Bill Ruppert	1999-2000
Kannan Rengarajan	2000-2001
Jade Rymkos	2001-2002
Brian Blenis	2002-2003
Mark Terrone	2003-2004
Curtis Smart	2004-2005
David DaSilva	2005-2006
Philip Thomas	2006-2007
Laing Conley	2007-2008
David Poetker	2008-2010
Kevin Messer	2010-2012
Jeanne (Duce) Jackson	2012-2013
Scott Seigel	2013-2014
John Constantinide	2014-2016

**ASHRAE Spacecoast Chapter
is on the web!**

[Website](#)

[LinkedIn](#) • [Facebook](#)
[Twitter](#) • [Google+](#)

2016-2017 ASHRAE Spacecoast Chapter Leadership

Chapter Officers & Board of Governors

President

Denny Bowers, P.E., C.E.M.
President@SpacecoastASHRAE.org

President-Elect

Lee Guthrie
PresidentElect@SpacecoastASHRAE.org

Secretary

Jim Park, CIEA, CIT, BPI
Secretary@SpacecoastASHRAE.org

Treasurer

Scott Seigel, P.E., LEED AP, C.E.M.,
CxA, O.P.M.P.
Treasurer@SpacecoastASHRAE.org

Past President

John Constantinide, E.I., C.E.M., LEED
AP® BD+C
PastPresident@SpacecoastASHRAE.org

Governor

Brian Blenis, P.E., C.E.M., CBCP,
LEED AP
Governor1@SpacecoastASHRAE.org

Governor

Sam Shine
Governor2@SpacecoastASHRAE.org

Chapter Committee Chairs

Programs (Technology Transfer)

Lee Guthrie
Programs@SpacecoastASHRAE.org

Membership Promotion & CCTS Alternate

Denny Bowers, P.E., C.E.M.
MP@SpacecoastASHRAE.org

Resource Promotion & Grassroots

Government Advocacy

Scott Seigel, P.E., LEED AP, C.E.M.,
CxA, O.P.M.P.
RP@SpacecoastASHRAE.org

Historian

David DaSilva, P.E.
History@SpacecoastASHRAE.org

Young Engineers in ASHRAE (YEA)

Jake Rardin
YEA@SpacecoastASHRAE.org

STEM K-12

Jeanne Jackson, P.E.
STEMK-12@SpacecoastASHRAE.org

Student Activities

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Electronic Communications

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EC@SpacecoastASHRAE.org

Website Manager (Webmaster) & CCTS Alternate

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Website@SpacecoastASHRAE.org

Badge Dude (Reception)

Kevin Riley, P.E., C.E.M.
BadgeDude@SpacecoastASHRAE.org

Refrigeration & Honors and Awards

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Auditing

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Sustainability

Dr. Sandra Boetcher, Ph.D.
Sustainability@SpacecoastASHRAE.org

2016-2017 ASME Canaveral Section Leadership

Section Leadership

President

JD Van Gilder

Committee Members

Scott Seigel, P.E., LEED AP, C.E.M., CxA, O.P.M.P.
Dr. Dwight Easterly, Ph.D.