



The Capsule

Newsletter for the ASHRAE Spacecoast Chapter and ASME Canaveral Section December 2016 Issue

Message from the ASHRAE Chapter President

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

Halloween and November was not only full of activities for kids in costumes, voters at the polls, and families eating turkey, but also for our ASHRAE Space Coast Chapter membership. Our Halloween on the Green Golf Tournament had a great showing of golfers and sponsors, with over \$3,000 raised for the Space Congress® Endowed Scholarship Fund, managed by the ASHRAE Foundation. Many thanks to our Chapter member volunteers, especially Jake Rardin, our new YEA Chair who has stepped up and done an outstanding job.

Our November Technical Meeting featuring Kevin Smith, who presented on general condensing boiler theory, was well-attended. Thank you to those Chapter members for their support, whether through our Research Promotion events or meetings. And, as always, many thanks to Lee Guthrie, our President-Elect and CTC Chair, for putting together a great program.

But, the fun keeps on coming! With the beautiful weather we have in December, come join us for our Past Presidents' Night and Holiday/Christmas Social on Wednesday, December 14, 6:00 pm to 8:00 pm at Grills in Pineda Riverside (6075 N US Hwy 1, Melbourne, FL 32940). Have you tried their Lionfish dish? I hear it is incredible and great to eat in brisk weather with a beautiful view of the Indian River. The cover is \$10 per person for heavy appetizers, and the location is right off of Pineda Causeway, which connects to I-95. No matter where you come from, enjoy with us some of the Christmas and Holiday season in our part of paradise.

In closing, I am very appreciative of our Chapter members who support us, whether volunteering as a Board member or committee chair, through attending our events and seminars, or sponsoring our Chapter functions. Great events, like Halloween on the Green, Past President's Night, and our monthly technical seminars shows how much we, as a Space Coast Chapter, can do for our local community and HVAC/R industry. Keep up your contributions, however much you can, to the Chapter. Each volunteer hour makes a difference with our ASHRAE Space Coast Chapter. If you want to start contributing or want to offer more for the Chapter, e-mail me at

President@SpacecoastASHRAE.org.

In this issue

2 Programs

3 ASHRAE Certifications

Coming up

Christmas/Holiday Social & Past
Presidents' Night
Wednesday, Dec 14, Grills Riverside
Networking: 06:00 pm
Dinner: 07:00 pm

Programs



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

Last month's technical seminar, about General Condensing Boiler Theory, was both informative and insightful for all who attended. We appreciate Kevin Smith, for to

us. Join us for our Past Presidents' Night and Holiday/Christmas Social on Wednesday, December 14, 6:00 pm to 8:00 pm at Grills in Pineda Riverside (6075 N US Hwy 1, Melbourne, FL 32940). The cover is \$10 per person for heavy appetizers, and the location is right off of Pineda Causeway, which connects to I-95.

Halloween on the Green golf tournament

On October 28, 2016 the ASHRAE Space Coast Chapter hosted the annual Halloween on the Green golf outing. This year, the outing was held at Duran Golf Club, and the weather was picturesque. For those who have never attended, spending the day on the coast of Florida in breezy warm weather is an excellent way to spend a day away from the office!

The attendance was great and the Space Coast chapter officers greatly appreciated all participation and donations.

The friendly competition results were:

1. Team Wharton-Smith: 60
2. Team TLC Cocoa: 61
3. Team Trane: 62

- Tim Driscoll - Longest Drive #1
- John Thompson - Longest Drive #2
- Don Gretkowski - Closest to Pin #1
- Aaron Hammons - Closest to Pin #2

We received a lot of positive feedback on the Duran Golf Club and will come back for next year's outing.

To schedule your speaking engagement at an upcoming ASHRAE-ASME 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.

Membership Promotion

The Chapter would like to recognize the following Chapter members for advancing their ASHRAE membership grade from Associate to Member status:

- Lee Alcorn;
- Brian Glenn Fuerman;
- Greg H. Peebles;
- Curtis W. Smart;
- Philip W. Thomas; and
- Bereket A. Nigusse.

Congratulations to them for their achievements.

Employment Opportunities

Centrifugal Chiller Technician

A leading provider of centrifugal chiller services for critical environments seeks a Centrifugal Chiller Technician to work in Dubai, UAE. Starting salary exceeds \$100,000 with no withholding tax on salary up to \$100,000 and free housing. Candidates are required to have experience working on very large centrifugal chillers (1,000 tons).

For more information, please e-mail Robert Byrnes at rbyrnes@hvacreruit.com or call him at 610-380-9064

Manager – Energy & Resource Conservation

Brevard Public Schools is seeking to fill the following vacancy:

Starting Salary Range: \$66,734 Min / \$82,242 Mid-point / \$100,502 Max

RESPONSIBILITIES:

- Manage, develop, research, and implement District-wide energy and resource conservation programs.
- Analyze, Investigate, and test new energy and resource conservation concepts and products.
- Establish utility consumption targets District-wide and for individual facilities.
- 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.
- Prepare fiscal year-end utility cost projections and estimate utility costs for future fiscal years.
- Serve as an engineering advisor to the Facilities Staff staff.
- Prepare performance specifications for electrical, mechanical, and energy conservation projects.
- Coordinate and interpret School Board engineering standards for consulting engineers.
- 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.

- Manage mechanical, electrical, and energy conservation construction projects and related professional services as required.
- Supervise department and administrative staff as necessary to achieve energy and resource conservation program goals.
- Perform other duties as assigned commensurate with the skills and abilities of the position.

REQUIREMENTS:

- 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 of 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.

For those interested in the job opening, please send your resume or contact the following individual.

Suzie Gilmore,
Facilities Department,
2700 Judge Fran Jamieson Way,
Viera FL 32940
Phone: 321 633-1000 x 450
Email: Gilmore.suzie@brevardschools.org



Why Publish with ASHRAE?

ASHRAE authors enjoy benefits that include:

- No publication charges
- Interaction with other researchers
- Reduced conference registration (75% off)
- Technical papers published in ASHRAE Transactions, which is cited in the Thomson Reuters Web of Knowledge Index of Scientific & Technical Proceedings, Index to Scientific Books and Current Contents Proceedings: Engineering, Technology, and Applied Physics. Technical papers are also cited in SciVerse Scopus and COMPENDEX.
- Authors of Technical Papers published in ASHRAE Transactions may be invited to submit expanded papers for publication consideration in Science and Technology for the Built Environment, ASHRAE's journal for archival research.
- Conference Papers are published on the ASHRAE Papers website. In addition, Conference Papers are submitted to abstracting and citation services such as BSRIA, Elsevier's Scopus, and Thomson Reuters Web of Science.

A vertical banner for the 2017 AHR Expo. It features the same stylized logo as the top left. The text reads: "2017 AHR EXPO[®] Las Vegas JAN 30-FEB 1". Below this, on an orange background, it says "THE WORLD'S LARGEST HVACR MARKETPLACE". At the bottom, on a dark blue background, it says "CO-SPONSOR ASHRAE" with the ASHRAE logo.

Support our sponsors! They support ASHRAE.

Michael F. Constantinide, PE
Principal Engineer



Alpha MRC
2395 North Courtenay Parkway
Suite 102
Merritt Island, Florida 32953

Phone: (321) 449-9455
Fax: (321) 449-1055
michael.constantinide@alphamrc.com
www.alphamrc.com

WOSB • 8(m)



Michael West, PhD, PE
Principal Systems Scientist
mike.west@advantekinc.com

Atlantis Professional Center
2194 Highway A1A, Suite 210
Indian Harbour Beach, FL 32937
(321) 733-1426 x3
Fax: (321) 733-1427

ENERGY • IAQ • HVAC • SEMP



Dave Kirshner
Sales Engineer

Luvata ElectroFin, Inc.
10225 Elizabeth Place
Tampa, FL 33619
USA

Tel. +1 813 689 4282 ext. 23
Fax. +1 813 689 4630
Mob. +1 813 220 5508

dave.kirshner@luvata.com
www.luvata.com/coatings



1005 ORIENTA AVENUE
ALTAMONTE SPRINGS, FL 32701
(407) 831-4880
FAX (407) 560-9171
CELL (407) 718-3915
WWW.CARROLLAIR.COM
MSZCZEPANIEC@CARROLLAIR.COM

MATTHEW J. SZCZEPANIEC
SALES ENGINEER

MANUFACTURERS' REPRESENTATIVES
INDUSTRIAL AND COMMERCIAL HVAC
EQUIPMENT - PARTS - SERVICE

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

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

I-Star Energy Solutions
(321) 604-6142 mobile 321-636-8999 fax
jpark@irexcorp.com
<http://www.istarenergysolutions.com>



SENSIBLE EQUIPMENT COMPANY INC.
INDOOR AIR QUALITY & HUMIDITY CONTROL
AIR CONDITIONING PRODUCTS

KENNETH L. EIERMANN, P.E.

Post Office Box 669
Orlando, FL 32733
Phone (407) 296-8068
Fax (407) 296-7420

"Latent Cooling Made Sensible"



**FLOW CONTROL TECHNOLOGY
COMPANY LLC**
Precision Flow Control & Monitoring Systems

Dan Rogers, PE
President

Tel: (813) 623-3444 • Cell: (813) 335-0169 • Fax: (813) 623-5444
3104 Cherry Palm Drive • Suite 250 • Tampa, FL 33619
E-mail: danrct@verizon.net • www.flowcontroltechnology.com

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

DYNATHERM RESOURCES, INC.
Commercial and Industrial
Air Conditioning Systems & Services
6101 Sabal Hammock Circle
Port Orange, FL 32128

Cell (386) 235-4744
(386) 756-1787

FAX (386) 760-0578

email curleeman@mindspring.com

Todd Curlee



Brian M Blenis, PE, CEM, CBCP
LEED AP
Sr Engineer

Florida Power & Light Company
9001 Ellis Road CSF/ML3
West Melbourne, FL 32904
321-726-4948 tel 321-501-1584 mobile
321-726-4944 fax
Brian.Blenis@FPL.com

an FPL Group company
Recycled Paper

EIERMANN ENGINEERING, INC.
SPECIALIZING IN AIR CONDITIONING DESIGN FOR
HUMID CLIMATES

KENNETH L. EIERMANN, P.E.

1015 Webster Ave.
Orlando, FL 32804
Phone (407) 296-6991
Fax (407) 296-7420

*Mechanical, Electrical, and Plumbing Engineering
Since 1990*

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

Advertise your company
here and on our website
for 1 year.

The cost? Just \$75.

E-mail Scott Seigel

Treasurer@SpacecoastASHRAE.org

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.

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

Dr. Hamidreza Najafi, Ph.D.
SA@SpacecoastASHRAE.org

Electronic Communications

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

Website Manager (Webmaster)

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

Badge Dude (Reception)

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

Refrigeration & Honors and Awards

Mark Thornbloom, P.E.
Refrigeration@SpacecoastASHRAE.org

Auditing

Michael Constantinide, P.E.
Auditing@SpacecoastASHRAE.org

Newsletter Editor & CCTS Representative

Akshay Bhargava, M.S.
TheCapsule@SpacecoastASHRAE.org

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.