April 13, 2010  Chapter Meeting Notice

*** You MUST RSVP if you plan to attend the meeting. Please email Charles Fischer at charles.h.fischer@jci.com. Also, you can prepay and RSVP on line at www.ashraeatlanta.org/meeting.html. This helps the chapter accurately order food from the catering company.***

Lunch Meeting:  11:30 AM – 1:00 PM  
Topic:   Building Information Modeling  
Speaker:   M. Dennis Knight, PE, LEED AP, CCS, CXA  
Principal of Practice Management, Liollio Architecture  
Cost:   $20.00 Members - $30.00 Non-members

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**Please visit our new website for up-to-date chapter and meeting information at www.ashraeatlanta.org**
PRESIDENT’S MESSAGE

Hello Everyone!

Welcome to Spring! We might have taken a month off from our regular meeting, but the Atlanta ASHRAE chapter was far from idle.

On Saturday, March 20th, almost 70 Atlanta ASHRAE members and friends descended upon the Gwinnett Arena to cheer the Gladiators (now including Tom Glavine – yes the pitcher) to victory against the Trenton Devils. The game was great, and we raised $387 for ASHRAE Research. Thank you Brian Justice for pulling this together!

On Wednesday, March 31st, we held the Atlanta ASHRAE Trade Show. Almost 400 attendees came by to see the latest in HVAC&R technologies. Thank you to our lunch sponsors: James M. Pleasants Co., Tom Barrow Co., and Trane. Thank you to all our exhibitors. Most importantly, I want to acknowledge Irvin Sierra who was the organizer of this year’s show. He did a terrific job. Thank you, Irvin!

Upcoming in the month of April, we have three events planned.

April 13th: Our next chapter meeting will be this Tuesday, April 13th. It will be a lunch meeting with the presentation on Building Information Modeling (BIM) presented by Dennis Knight, PE of Liollio Architecture. Look for more details on this exciting and important topic in this newsletter. Remember, you need to RSVP via http://www.ashraeatlanta.org/ to ensure we have space and lunch for you.

April 27th: We’ll be having our traditional May Outing a little early this year. Once again, we’ll be gathering for the Spring Classic baseball game between Georgia Tech and Georgia. The game is at Turner Field. We’ll tailgate in the parking lot ahead of the game. Glen Northrup (gnorthrup@georgiaairassociates.com; 678-736-5102) will be organizing this event. Please SAVE THE DATE for now. We’ll send out more details later.

April 27th: The Macon Section will be meeting on Tuesday, April 27th. It will be a dinner event hosted and sponsored by Mingledorff’s. Our very own, Distinguished Lecturer Chris Muller of Purafil will discuss some of the more relevant research on gaseous pollutants, discuss reactivity monitoring and a standard environmental classification scheme in its current form and the results of monitoring from a number of museums. Please RSVP directly to Caroline Calloway (ccalloway@bellsouth.net, 770-663-4339) if you plan to attend.

Make sure you take a look at the other exciting events coming up with our YEA Group elsewhere in this T’Sat.

I look forward to seeing you at our next chapter event!

John McFarland
Atlanta Chapter President 2009/2010

Chapter many not act for the Society
Bio: M. Dennis Knight has 35 years of experience providing engineering, design and construction related services within the building industry. Active at the local, state and national levels with various agencies and professional societies, he works to help develop sustainable, integrated building design guidelines.

Nationally, as a member of ASHRAE, Mr. Knight is the Vice Chairman for Research Promotion and also serves as the Chair of Technical Committee (TC) 7.1 “Integrated Building Design” and serves on the ASHRAE BIM Steering Committee. He has also served as the President of the Charleston Chapter twice since he joined the Society in 1979.

As Liollio Architecture’s Principal and Director of Practice Management, Mr. Knight utilizes his extensive experience in the design and construction industries to assist the architectural and design professionals, project managers, business development department and corporate management within the firm and our consultants and clients in the preparation of construction documents (procurement documents, drawings and specifications) and contracts, performs code analysis and product research, prepares LEED Documentation, and prepares design and construction cost estimates. In addition he develops quality assurance checklists and guidelines to help facilitate interdisciplinary coordination during the design and construction phases of a project.

Prior to joining Liollio Architecture, Dennis was an owner and managing member of a local engineering and construction company for 23 years. He strives to facilitate the integration of each element and discipline required in a project, with consideration for the life-cycle costs and benefits related to those elements, so that all the pieces and parts of a design work together in concert with each other and their surroundings.

Mr. Knight holds an assortment of professional registrations and accreditations. He is a Registered Professional Engineer in South Carolina, North Carolina, Georgia, and Wisconsin. He is a LEED Accredited Professional and is affiliated with the US Green Building Council. Mr. Knight is also a CSI Certified Construction Document Technologist and Constructional Specialist, as well as a ACG Certified Commissioning Authority.

AWARDS AND HONORS
- US Green Building Council South Carolina Chapter Leadership Award, 2008
- AIA Charleston Special Recognition for Outstanding Service to the Community and the Design Profession, 2008
- ASHRAE Research Promotion “Top Dog” Award, 2005, for directing the most successful Research Fund-raising Campaign in all of Society
- Engineer of the Year Award, 2003 Charleston Joint Engineers Society
- Past President Charleston Chapter ASHRAE 1986 and 2000
- Chairman, Construction Board of Adjustments and Appeals, Town of Mt. Pleasant, SC, 1999

LECTURE TOPIC
Building Information Modeling for the Mechanical Disciplines

This presentation focuses on the value and uses of BIM to Owners, Architects, Engineers, and the community. It provides a consistent definition of BIM and provides the Mechanical Engineer with the information needed to begin the process of adopting and using BIM as an integrated design tool to optimize mechanical systems design, improve collaboration, minimize coordination errors and deliver better work products and results. It also provides Mechanical Engineers with the information they need have included in a BIM before they receive it so that they may take advantage of its value without having to spend unproductive time cleaning up corrupt or incomplete files and filling in missing information.
Directions to ASHRAE Headquarters

ASHRAE Headquarters is located at 1791 Tullie Circle and the building fronts the northbound access road next to Interstate 85 just north of North Druid Hills Road (Exit 89). We are 18 miles north of Hartsfield-Jackson International Airport, near Emory University and the Centers for Disease Control.

From I-85 northbound:
- Take Exit 89 (North Druid Hills Road).
- Turn right at the light onto North Druid Hills Road.
- At the next light, turn left onto Tullie Road. Continue on Tullie Road until you reach a stop sign.
- Turn left onto Tullie Circle NE.
- The main entrance to ASHRAE Headquarters is on the right.

From I-85 southbound:
- Take Exit 89 (North Druid Hills Road).
- Turn left at the light onto North Druid Hills Road.
- Go straight through the next light at the access road to I-85 northbound.
- At the second light, turn left onto Tullie Road.
- Continue on Tullie Road until you reach a stop sign.
- Turn left onto Tullie Circle NE.
- The main entrance to ASHRAE Headquarters is on the right.

Click here to view on the Web:
http://www.ashrae.org/contactus/page/1451
Join us for dinner (once again with compliments of Mindgledorff's)

Our speaker will be Christopher Muller, Technical Director at Purafil, a manufacturer of gas-phase air filtration media, filters, equipment and air monitoring instrumentation. He has written and spoken extensively on the subject of indoor air quality and the application/use of gas-phase air filtrations He is co-author of the Standard 62.1 User's Manual. He chairs ASHRAE's Standard Project Committee 145P, which is developing industry standards for assessing the performance of media and equipment used in gas-phase air filtrations systems. He serves on SSPC 62.1, Ventilation for Acceptable Indoor Air Quality and TC 2.3 Gaseous Contaminant Removal Equipment.

Chris is a Distinguished Lecturer for ASHRAE . He received his Bachelor of Science in Applied Biology with a minor in Chemistry from Georgia Tech and has done postgraduate work in Industrial Engineering at Southern Polytechnic State University.

TOPIC

There has been much discussion as to what properly constitutes a true "conservation environment" with regards to airborne pollutants. An environmental classification scheme has been developed that can effectively gauge, in real time, the destructive potential of an environment and provide an indication to conservators of the risk factor the environment poses towards exposed artifacts and materials. This presentation will discuss some of the more relevant research on gaseous pollutants, discuss reactivity monitoring and a standard environmental classification scheme in its current form and the results of monitoring from a number of museums.

Please RSVP to

Caroline Calloway
cccalloway@bellsouth.net
770-663-4339
***Atlanta ASHRAE May Outing (a few days early)***

Tuesday, April 27th

We’ll be having our traditional May Outing a little early this year. Once again, we’ll be gathering for the Spring Classic baseball game. Come see two of college baseball’s national powers, the Georgia Tech Yellow Jackets and Georgia Bulldogs, as they play one another for bragging rights in the state of Georgia.

The special Atlanta ASHRAE member ticket price is only $5. That’s a $7 savings from the actual ticket price! Not only, do you get entrance to the game for that price, but we'll also be tailgating in the Turner Field “Green Lot” with a BBQ dinner (Please BYOB).

Please purchase your tickets (limit 6 per Atlanta ASHRAE member) via the Atlanta ASHRAE website at [http://www.ashraeatlanta.org/](http://www.ashraeatlanta.org/). Select the “View ALL Events” and then select “May Outing”. Tickets will be handed out at the tailgate.

This 8th Annual Spring Classic benefits Children’s Healthcare of Atlanta! More than 24,000 tickets were sold to the event last year at Turner Field making it one of the largest NCAA baseball games in history. The 2009 event raised more than $200,000, with proceeds from going toward operating expenses for an intra-operative MRI (iMRI) machine for the Neurosciences program at Children's.

If you have any questions, please contact John McFarland (jkmcfarland@workingbuildings.com; 678-990-4316) or Glen Northrup (gnorthrup@georgiaairassociates.com; 678-736-5102).
2009/2010 Research Promotion Campaign Contributors

Atlanta Chapter

Individual Major Investors ($250 and greater)

John McFarland    Glenn Northrup    Charles Fischer
Michael Eckert    Dominic Rodosta    Chris Rousseau
Jim Webster       Charles Piserelle    Edward Hill

Individual Honor Role Investors ($100 - $249)

John Bullard          Jason Clifton          Mark Dahir          Lee Penhallegon, Jr.
Thomas Kisgen         Patrick McCabe          Charles Miltiades    Brian Justice
Michael Dudley        Daniel Cobucci          Peggy Fritz          George Butler
Benjamin Coe, Jr.     David McKenney          David Brinson       Caroline Calloway
John Neely, Jr.       Eric Norrell            Christopher Germann  Michael Fowler
Jeffrey Keran         Chris Shirah            Jeff Grindstall      Giancarlo Cicero
Dennis Begley         Scott McVay             Gary Holder          Becky Sanborn
David Spruill

Individual Investors ($1 - $99)

James Hogan            Prasanna Kadaba       Gregory Jeffers
James Norman            Paul Rombold         James Coleman
Malcolm Clark

Company Major Investors ($250 and greater)

Exhausto Inc.          McKenney’s              Carrier Corporation
Lincoln Associates      Johnson Controls      Hill Company Inc.
Borie Davis Inc.        Georgia Society of Association Executives

Company Honor Role Investors ($100 - $249)

Barnes & Hogan Inc.
**Young Engineers in ASHRAE**

YEA Members are ASHRAE Members aged 35 and under; we plan programs that help meet the needs of this specific group of members. If you would like more information, go to www.ashrae.org/YEA

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**YEA Update**

We continue meeting monthly at the Taco Mac Lindbergh location. **Reminder**- Thursdays are Pint Night at Taco Mac. Ordering the Beer of the Month will give you a free pint glass.

At the March meeting, roughly 10 YEA members gathered to watch some of the March Madness games. More brackets were busted as we watched the East and West Regional games.

Our YEA Meetups will now take place at 7pm, allowing our members more time to make it to Taco Mac after work.

Have you Become a Fan of us on Facebook? Search for YEA Atlanta to get our latest updates in your Facebook News Feed.

Our next gathering will be April 22 at 7pm. See you there!

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**Mark Your Calendars!**

YEA meets on the 4th Thursday of every month at 6pm at Taco Mac Lindbergh. We will have signs at the host stand and at our table for easy identification. Mark the following dates in your calendar so you never miss a chance to shoot the breeze with some fellow engineers!

- 4/22/10
- 5/27/10

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Questions should be directed to the YEA Committee Chair, Pam Androff, at AtlantaYEA@gmail.com.
ASHRAE Learning Institute
Spring 2010 Online Course Series

2 WAYS TO REGISTER
Internet: www.ashrae.org/onlinecourses
Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)
Note: You may register up to 24 hours prior to an online seminar. Courses are in US Eastern Standard Time.

Introduction to Thermal Energy Storage Systems for A/C
Wednesday, April 7, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Complying with Standard 90.1-2007: HVAC/Mechanical
Monday, April 12, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Energy Management in New & Existing Buildings: A Sustainable Activity
Wednesday, April 14, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Complying with Standard 90.1-2007: Envelope/Lighting
Monday, April 19, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Using Standard 90.1 to Meet LEED Requirements
Monday, April 26, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Introduction to Cleanroom Design
Wednesday, April 28, 2010 – 1:00 p.m. to 4:00 p.m. EDT

District Cooling & Heating Systems: Central Plants
Monday, May 3, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Wednesday, May 5, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Understanding & Designing Dedicated Outside Air Systems (DOAS)
Monday, May 10, 2010 – 1:00 p.m. to 4:00 p.m. EDT

Hot Products from ASHRAE

A leader in HVAC&R technology, ASHRAE publications cover topics that impact every facet of the environment, both indoors and out.

Latest Publications from ASHRAE!
- ASHRAE Handbook Online – Web-Based access to all 4 volumes
- ASHRAE Pocket Guide – Useful information that fits in a shirt pocket
- Load Calculation Applications Manual

Other Products from ASHRAE!
- Energy Efficiency Guide for Existing Commercial Buildings
- Dampers and Airflow Control
- Building Information Modeling Guide
- Advanced Energy Design Guide for Small Hospitals and Healthcare Facilities

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!

Order Today From ASHRAE Customer Service
1-800-527-4723 (US/Canada) or (404) 636-8400 (Worldwide)
or visit: www.ashrae.org/bookstore

Renew Your Membership Online!
Visit ashrae.org and Manage Your Membership
Below, please check out the list of upcoming ASHRAE Atlanta events:

- Principals’ Luncheon (Fall and/or Spring)
- Spring Golf Tournament

Also, a list of related events are listed below:

- April 13, - Lunch Meeting and Educational Session on BIM
- ASHRAE Summer Meeting – 06/27-30/2010 (Albuquerque, NM)
As the Chair of the ASHRAE Society’s Admissions & Advancement Committee, it came to my attention that an awful lot of ASHRAE people are not Members, but are Associates and have been for years, just because they haven’t thought or had time to think about upgrading to become a full Member.

All it requires is 12 points. If you have an appropriate Bachelors Degree in engineering or an associated Bachelors, you get 6 points right there. If you are a Registered Engineer, that’s another 3 points and to become registered, you have to have at least 4 years experience, which is worth another 4 points. So right there you have 13 points.

If you do not have an accredited degree or are not registered, then all it requires is 12 years experience in the Engineering Field.

I believe that there are lots of people out there who are paying full fees for belonging to ASHRAE, but are still an Associate.

All you need to do is update your Bio at Society and this can be done by going online to http://www.ashrae.org/membership/page/149 or you can use http://www.ashrae.org and enter your e-mail address and your password. After you have done this or if you have already got an updated Bio, then you must e-mail membership@ashrae.org and state an interest in advancing.

So please consider this as it also helps the Atlanta Chapter and it does not cost you a dime, as your Annual Fee does not change.

Thanks Pat McCabe
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<tr>
<th>Date</th>
<th>Educational Seminar Speaker</th>
<th>Educational Seminar Topic</th>
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<td>9/15/2009</td>
<td>Hoy Bohanon</td>
<td>Multi-zone Ventilation Calculations per Standard 62.1</td>
<td>Susie Spivey_Tilson tvs Design</td>
<td>LEEDv3- What has changed</td>
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<td>10/13/2009</td>
<td>Hoy Bohanon</td>
<td>Multi-zone Ventilation Calculations per Standard 62.1</td>
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<td>Standard 62.1 Update</td>
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<td>11/10/2009</td>
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<td>Barney Burroughs, Building Wellness Consultancy</td>
<td>IAD Design Guide</td>
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<td>12/8/2009</td>
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<td>Holiday Party @ Mason Murer Fine Arts Museum 7:00 pm - 10:00 pm</td>
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<td>1/12/2010</td>
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<td>TBD</td>
<td>Standard 90.1</td>
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<td>3/2010</td>
<td>Product Show at the North Atlanta Trade Center the focus will be New Technologies the time to be determined</td>
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<td>4/13/2010</td>
<td>Dennis Knight</td>
<td>BIM</td>
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<td>5/2010</td>
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**DISTINGUISHED LECTURER INDICATED BY UNDERLINE**

Reservations are **NOT** required, but seating is limited. Please come early to ensure you have a place

There will be no tech topic session on the months that have a lunch meeting
Job Listings

Instructions for help wanted ads and position wanted ads for the Tstat

Ads will be published for FREE for individual members and student members seeking employment or help and for companies and firms that support ASHRAE and are seeking to employ our members and student members. We especially like to publish ads for firms that support ASHRAE RP and for firms that encourage employees to attend Atlanta ASHRAE events!

No ads for professional recruiting companies without specific openings that are disclosed in the ad and definitely no ads for any firm or agency not genuinely seeking employees. You know who you are, and the T-stat editors will be the sole judges of suitability.

Please keep the ad reasonably short, certainly less than 1 page, and legible in design. Avoid any fine print or fonts smaller that 8 points.

The proposed ad needs to be ready to paste into the newsletter, but we must have WORD files rather than finished PDF in case we must edit it for length.

Please definitely avoid including any high resolution graphics or photos. Such graphics can sometimes create unacceptably large PDF files that are impossible for us to distribute. Please send copy to Ms. Neequaye (regina.neequaye@me.gatech.edu) and CC to the publications chair (Sheldon Jeter <sheldon.jeter@me.gatech.edu>).
Employment Wanted

Following this page, find resume’s of Job Seekers

Attached Resume’ (s)

1. Jauni Novak
Jauni Novak

Current Address: 1400 Chase Place Apt. A2
Manhattan, KS 66502
(816) 797-9415
jauni.novak@gmail.com

Permanent Address: 23701 E Blue Mills Road
Independence, MO 64058
(816) 650-6222

OBJECTIVE
Full-time employment for mechanical engineering in building design.

EDUCATION
Kansas State University, Manhattan, KS
Major: Architectural Engineering
Date of graduation: May 2010
Cumulative GPA: 3.5/4.0
EIT/FE certification upon graduation

Related Course Work:
- Written Communication for Engineers
- Advanced Mechanical Systems
- Thermal Systems
- Building Electrical Systems
- Mechanical & Electrical Estimating
- Environmental Controls (Spring 2010)
- Building Energy Analysis (Spring 2010)
- Arch. Eng. Management (Spring 2010)
- Fire Protection/Plumbing
- Integrated Building Design
- Thermodynamics
- Lighting System Design
- Building Communication Systems
- AutoCAD

EMPLOYMENT
Arup, New York, New York
Mechanical Engineering Intern
Summer 2009
- Designed general exhaust and slurry wall exhaust systems for five-story, 140,000ft² art museum including load calculations, duct layout and sizing, and single-line diagrams.
- Designed perimeter and stairwell heating systems including load calculations, layout, and equipment selection and discussed with architect.
- Prepared and drafted using AutoCAD single-line diagrams for heating hot water, chilled water, and dry cooler system to be included in CD drawing set.
- Prepared a summary/comparison of types of humidification systems in gallery spaces to be used by owner to make decisions on the preferred system.

Summer 2008
- Reviewed manufacturer specifications, technical data, and shop drawings as a construction administrator.
- Analyzed energy usage for a central mechanical plant.

Whiskey Creek, Manhattan, Kansas
Server/Bartender, April 2007 – current
- Responsible for providing guests with an excellent dining experience.
- Utilize effective time management to meet guest needs and provide solutions to complaints.
- Train new employees and act as a member of the serving team.

ACTIVITIES and HONORS
- Principle oboist of the Kansas State Symphony Band (2007-2009)
- Member of the Kansas Intercollegiate Honor Band (2008-2009)
- Member of ASHRAE.
- Midwest Exchange Scholarship recipient.

References available upon request.
**Scenes from Atlanta ASHRAE Hockey Night**
ADDRESS REMOVAL, ADDITION, or CHANGE

This Atlanta Chapter Newsletter goes by email only to all Atlanta Chapter ASHRAE members along with all other ASHRAE members in our area and anyone else who asks.
If you need a change in our email list, please notify Sheldon Jeter as specified below.

If (sadly) you really do wish to be off our newsletter distribution list, please let us know by emailing to <ashrae@mail.gatech.edu>. Please give your email addresses in plain text, so it can be found to remove it. Please help us monitor for your message by putting the word “REMOVE” in the subject line. Thanks.

If you have a friend or colleague who needs to be added to our list or if you want to add an extra address for yourself, let us know by emailing to <ashrae@mail.gatech.edu>. Please give the email address in plain text and please put the word “ADDITION” in the subject line. Thanks.

If your email address needs to be changed, please send to <ashrae@mail.gatech.edu> both the OLD and the NEW email addresses in plain text (so the old one can be found to be changed) and please put the word “CHANGE” in the subject line. You might also want to update your contact info at ASHRAE.org as well.

Thanks, Sheldon

Atlanta Chapter ASHRAE
John McFarland
Atlanta ASHRAE President 2009/2010

CHANGE OF ADDRESS
To change your address you MUST tell ASHRAE Society in writing. Please do not contact the Atlanta Chapter: our mailing list is generated from the Society’s database.

CHAPTER MAY NOT ACT FOR THE SOCIETY