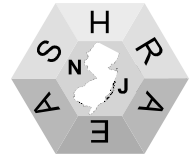




THERMOGRAM



The New Jersey Chapter of ASHRAE Newsletter

WWW. NJ-ASHRAE.ORG

SEPTEMBER 2005

1-(800)-927-7234

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NEWSLETTER ADS

OPEN

NEWSLETTER EDITOR

MARK RICHTER P.E.
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OCTOBER 6, 2005
SHERATON - WOODBRIDGE
ROUTE 1 AT GILL LANE, ISELIN, NJ

**COST \$50.00 MEMBERS, \$55.00 GUESTS,
& \$5.00 STUDENT**

**RSVP TO WWW.ASHRAE.ORG OR CALL 1-800-927-7234
NO LATER THAN OCTOBER 4TH**

5:45 COCKTAIL HOUR

**COCKTAIL HOUR SPONSORED BY
INTEGRATED BUILDING CONTROLS**

6:45 DINNER AND SPEAKER

**SPEAKER: MR. MICHAEL CASOLARI, PRESIDENT
INTEGRATED BUILDING CONTROLS, INC.**

TOPIC:

“NETBUILDING SOLUTIONS”

**THE CONVERGENCE OF IT AND BUILDING AUTOMATION
SYSTEMS FOR TODAY’S OPERATIONALLY EFFICIENT FACILITIES**

The networked building (“NETBUILDING”) successfully converges IT and traditional BMS to allow multiple control environments to be managed over a single IP network. By combining traditionally disparate platforms over IP, NetBuilding allows for centralized monitoring and management, energy efficient resource optimization, “real time” data from BMS, “intelligent” BMS, and networked security. This integration of seamless applications improves efficiency, decreases maintenance costs, creates a foundation for growth and new productivity tools, and ultimately provides a greater return on investment.

**THIS DINNER SESSION QUALIFIES FOR ONE (1) CONTINUING
EDUCATION CREDIT FOR BOTH ARCHITECTS AND
PROFESSIONAL ENGINEERS**

**ASHRAE REGION 1 CRC 2005, HOSTED BY THE NJ CHAPTER, WAS BOTH
SUCCESSFUL AND ENJOYABLE CONFERENCE AND VACATION FOR MANY REGION 1
MEMBERS AND THEIR FAMILIES.**

**COMMITTEES
(CONTINUED)**

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**ASHRAE ATLANTA
TOLL FREE MEMBERSHIP
NUMBER
1-(800)-527-4723**

THE PRESIDENT'S MESSAGE

As President of the New Jersey Chapter of ASHRAE, I would like to thank all of the volunteers who made the Region I Chapters Regional Conference the tremendous success. Your tireless efforts were greatly appreciated and every member of the New Jersey Chapter owes you a deep debt of gratitude. I would also like to thank all of the sponsors for your unlimited generosity. Without your support we would have never been able to hold such a successful conference.

Sincerely,
Russ Graham

Principals of Engineering Firms In NJ

As a principal in a firm that designs HVAC systems I'm sure you recognize the role that ASHRAE plays in our industry. The standards, design guidelines, and research provided by ASHRAE form the basis of our practice. These standards, guidelines and research have not been created in a vacuum. They are the outgrowth of feedback, ideas, requests for information, and needs of our fellow practitioners. A significant part of that process is the interaction of our members at society meetings at the local and national level. Without that interaction the process weakens.

I'm writing to ask for your assistance in promoting the participation of your employees and fellow engineers at the local chapter monthly meetings. As a member of the design community, each of us has the responsibility to participate in the interactive process. We learn together. Some people may think that they have nothing to contribute. Actually, the opposite is true. Everyone can and does contribute. By asking questions or indicating that they "don't know", we learn where knowledge gaps exist and can work to fill those gaps.

The leadership of the New Jersey chapter would like to make the monthly meetings more attractive to our membership – programs geared to their educational needs, a venue to meet and interact with other industry members, roundtable discussion opportunities, and to learn about new ideas, etc. To do that we need feedback from our members and attendance at the monthly meetings.

We're asking you to encourage your employees to attend the monthly meetings by providing incentives – e.g. paying for meeting dues, time off (~ 1hr) to leave the office early to get to the meeting, paying for gas to get there, "honorable mention" for those who attend regularly, etc.

An additional incentive which may be attractive to your "PE's" is PDH points for attendance at qualified presentations. While New Jersey does not presently require PDH points for license renewal, NY State does. Attendance at our qualified meetings is one way to accumulate those points.

We'd appreciate you're feedback to this request. What can we do to help make the local NJ chapter of ASHRAE more relevant to your practice?

Yours truly,
Russ Graham, Chapter President

**NJ ASHRAE
2005 – 2006
DINNER MEETING SCHEDULE***

**OCTOBER 6TH
MIKE CASOLARI, INTEGRATED BUILDING CONTROLS, INC.
“NETWORKS”**

**NOVEMBER 3RD
BRUCE NEWMAN, OAK ENVIRONMENTAL
“MOLD AND REMEDIATION”**

**DECEMBER 8TH
DAVID GOLD, VITEC CORPORATION
DESSICANT DEHUMIDIFICATION**

**JANUARY 12TH
JOINT MEETING WITH MCA**

**FEBRUARY 2ND
MR. MATTHEW MORELLO P.E., LEWIS GOODFRIEND & ASSOC.
NOISE & VIBRATION**

**MARCH 2ND
JOINT MEETING WITH IESNA**

**APRIL 6TH
SPEAKER TO BE ANNOUNCED
SYSTEM INTEGRATION**

**MAY 4TH
TO BE DETERMINED**

**JUNE 8TH
SPOUSE’S NIGHT**

** Speakers and topics subject to change. Refer to monthly newsletter announcements for available PDH credits for dinner speaking sessions.*

NJ CHAPTER NEWS

**ASHRAE SYMPOSIUM AWARD****Mr. Tom Davidson, P.E.**

DENVER—The American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) presented Tom Davidson, P.E., with an ASHRAE Symposium Paper Award at the Society's Annual Meeting held in Denver from June 25th through 29th.

The award recognizes the authors of the best papers presented at Society meeting during 2004. He received the award for the paper, "*Evolution of Data Center Environmental Guidelines*".

Davidson is a senior mechanical engineer, DLB Associates, Ocean, New Jersey.

Recent trends toward increase equipment power density in data center can result in significant thermal stress, with undesirable side effects of decrease equipment availability, wasted floor space and inefficient cooling system operation. In response to these concerns, manufacturers identified the need to provide standardization across the industry.

In 2002, ASHRAE created a technical committee to help bridge the gap between equipment manufactures and facility designers and owners. The paper discusses the first publication of that committee and addresses issues that will define the roadmap for future ASHRAE activities in this field.

SEMINARS

REFRIGERATION SEMINAR**September 1, 2005**

Held at the Jersey Central Power and Light's Lincroft N.J. offices, the seminar was well-attended by engineers, facility personnel and contractors. The seminar was presented by ASHRAE distinguished lecturer Mr. Julian deBuliet, McQuay International. Seminar topics provided an abundance of information related to the following topics;

- HVAC basic design principles.
- Chilled water System basics
- Optimal Air Systems, utilizing lower than traditional supply air temperatures
- Variable flow primary chilled water systems
- Application of condenser heat recovery on chiller plants.
- Chilled water plant optimization.
- Refrigerants update

2005 NJ ASHRAE GOLF OUTING
held at
FOX HOLLOW GOLF CLUB
OCTOBER 19TH, 2005

Cost \$190.00 per person, includes lunch, reception, dinner, shotgun start, golf carts, locker room use, gratuities, and prizes.

Reception and dinner only \$60.00 per person

Shot gun start – 4 man scramble format

Name: _____

Company: _____

Phone: () - Fax: () - _____

- Golfer #1 _____
- Golfer #2 _____
- Golfer #3 _____
- Golfer #4 _____

Be a Tournament Sponsor

Dinner:	\$	1,000	_____	Please List any Prize Donations Below: (Thank you)
Lunch:	\$	500	_____	
Reception:	\$	500	_____	
Prizes:	\$	500	_____	
Drink Cart:	\$	500	_____	
Hole:	\$	100	_____	

Mail checks payable to NJ ASHRAE c/o G&C Sales, LLC
 1812 Front Street, Scotch Plains, NJ 07076.
 Registration can be faxed to 908-663-2185.

Please call Linda Carolan (908-663-2180) or Peter Frangiskou (201-945-9999) for more information

Proper attire required.
Checks must be received by October 11th.
Thank you and hope to see you there.

Origins of the New Jersey Chapter – the Early 1940's

By Robert Daly, P.E. – Chapter Historian

The New York section of ASRE recognized the number of active members from New Jersey in the late 1930's. As a tribute to them, a meeting was held at P. Ballantine & Sons brewery in Newark, New Jersey. 259 members attended and heard Fred Ophulus speak on "Brewery Refrigeration."

The New York Section chairman of ASRE in 1939-1940 was Carl Kayan*. He was a professor of mechanical engineering at Columbia University in New York City. It was his hope to bring about closer relationships between the local engineering colleges and the ASRE section. One of his first meetings was held at Columbia to observe the work being done on the Cyclotron. Because the recent Newark meeting was so successful, the New York section began to hold occasional meetings in New Jersey.

By 1944, the New York section had 525 members. Every other Annual Meeting was being held in New York City. At preliminary meetings in 1944, a group of former New York section members decided that a separate group would be advisable. This was done in recognition of the large refrigeration activities in New Jersey. Preliminary organization plans were worked out by Northern New Jersey members, assisted by a special committee headed by George I. Boone.

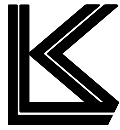
Northern New Jersey became the 18th section of ASRE. It was granted a charter on September 24, 1944.

The formal presentation of the charter was made at a session held on October 19 at the Robert Treat Hotel in Newark. This meeting was attended by more than 100, gave evidence of the strong support given the section. The outstanding feature of this meeting was the presentation of the charter made by John F. Stone, president-elect of the Society. Mr. Stone's made brief remarks about the value of Society membership and the advantages of discussion at section meetings. H. J. Levins chairman of the new section accepted the charter.

A. G. Dietle, vice chairman in charge of program, then introduced Charles Logan, past president of Society. He "spoke convincingly of his own experience regarding the advantages of being a member of ASRE and the opportunities facing this industry." Helen Peffer, editor of Refrigerating Engineering, urged the use of the national headquarters office by all members. Deputy mayor Arnold Hess then made greetings from the city of Newark.

The main speaker for the evening was Robert Forater. Of the Minneapolis-Honeywell Regulator Company. He presented a movie and commentary on the "Automatic Control of Aircraft."

HELP WANTED



KALLEN & LEMELSON CONSULTING ENGINEERS, LLP

MECHANICAL • ELECTRICAL • PLUMBING • FIRE PROTECTION

We are presently seeking a **Senior Level Mechanical Engineer** for a key position on interesting and challenging projects.

The successful candidate should have the following experience:

- Design of HVAC systems for institutional and commercial buildings (preferably 10+ years of design experience)
- Project Management experience, with good communication and organizational skills
- Degreed engineers with P.E. licenses are preferred, although not mandatory

This position comes with unlimited growth and partnership potential.

We are also seeking qualified Designers and CAD Draftspersons for non-management positions, with HVAC, plumbing and/or fire protection experience.

If you meet the above qualifications, please forward your resume including cover letter and salary requirements to:

Kallen & Lemelson, LLP
520 Eighth Avenue, 17th Floor
New York, NY 10018
ATT: Gloria McIntosh
Email: gmcintosh@klengineers.com
K&L is an Equal Opportunity Employer

HVAC Manufacturers Representative:

Long Island based HVAC/Plumbing manufacturers' representative is opening an office in northern N.J. and seeks experienced 3-Phase ups/switchgear sales people to cover northern New Jersey. Candidates must possess 5 to 10 years experience in the sales/specification of 3-phase ups, switch gear, gensets, racks, PDU's CRAC's etc. Must possess a strong customer base of engineers, contractors VAR's and end-users.

If you are looking for the career opportunity of a lifetime with excellent salary, commission and benefit package look no further. Extensive factory training included.

Frank D. Morgigno
Applied Technologies of NY, Inc.
90 Plant Ave, Suite 110
Hauppauge, NY 11788
Tel:(631) 331-0215



Schoor DePalma is looking for a seasoned HVAC designer with mechanical design experience in the field of HVAC. The individual should possess strong Communication and Computer-aided Design experience. Contact Mark Richter P.E. at (732)577-9000 ext 1277 or email resume to MRichter@schoordepalma.com

Schoor DePalma, a leading engineering and consulting firm in the region, offers a broad range of consulting services for public and private clients from 11 office locations throughout New Jersey, Pennsylvania and New York. Our award-winning company provides transportation services, land development planning, public works services, environmental services and building services.



HELP WANTED

Drafter/Estimator/Designer

A well established New Jersey family-owned Design-Build Mechanical Contracting & Service company is seeking a highly qualified Drafter / Designer / Estimator to join their expanding commercial and institutional contracting business.

Job Purpose:

Candidate will work closely with owners in preparing mechanical drawings, estimating material/equipment/sub-contracting costs, and designing new construction projects.

Minimal Requirements:

10-15 years in commercial/industrial HVAC industry, non-smoker, college degree, experience with CADD, project design, estimating & organizational skills for multiple projects, ability to work independently meeting specific time deadlines.

Duties:

- Prepares rough sketches and final as-built drawings.
- Onsite observations to validate mechanical layout.
- Organize and prioritize multiple projects.
- Solicit vendors and accurately make comparisons for material cost take-offs.
- Design drawings for new design/build projects.
- Maintains reliable data base on current and future work.

Skills/Qualifications:

CADD, Microsoft office suite, scheduling, self-motivated, vendor relationships, deadline-oriented, U.S. citizen, excellent teamwork, focused concentration, emotionally resilient, pleasant attitude.

Salary/Benefits: Competitive salary, comprehensive medical/dental/401k plan

Ken Celiano, Psy.D.
Dir. Personnel & Organizational Development
AJ Celiano, Inc. 460 Ludlow Ave
Cranford, NJ 07016 847-338-2199 (mobile)
www.ajceliano.com - kceliano@ajceliano.com

**If you wish to contribute articles in this years 2005-2006 issues of the
Thermogram**

E-mail articles to: MRichter@Schoordepalma.com or fax article to 732-431-9428

Reminder

Go to www.ashrae.org to update your personal information. Keeping your information current helps us to find you. Please add e-mail, phone number, fax number, address correction, etc.

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SOCIETY NEWS

ASHRAE IAQ 2007 Examines Healthy, Sustainable Buildings

ATLANTA – Healthy, sustainable buildings are those that create high quality indoor environments while minimizing their impacts on the outdoor environment.

But achieving both can be a challenging goal.

Guidance on how to do so will be presented at the American Society of Heating, Refrigerating and Air-Conditioning Engineers' (ASHRAE) conference, IAQ 2007 Healthy and Sustainable Buildings, which will be held Oct. 15-17, 2007, at Baltimore's Inner Harbor, Baltimore, Maryland.

"The issues of healthy and sustainable buildings are cyclical and interdependent," Lawrence J. Schoen, P.E., chair of the conference said. "Buildings not only impact the indoor environment but they have an impact on the outside environment. Our goal in creating healthy buildings should be to create indoor environments where people are healthy and productive but that minimize impact on the environment."

The conference will emphasize the measured performance of healthy and sustainable buildings and practical methods for their design, construction, operation and maintenance, according to Schoen.

For more information, contact ASHRAE Technical Services at IAQ2007@ashrae.org or www.iaq2007.org.

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.

SOCIETY NEWS....

ASHRAE.org Earns Award of Excellence

ATLANTA – ASHRAE.org, the Web site of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, has earned an award of excellence from the Web Marketing Association.

The association's Standard of Excellence WebAward recognizes the best Web sites in a variety of industry categories. Past Standard of Excellence sites include The American Water Works Association, ABC News, and Abercrombie and Fitch.

Judges noted that ASHRAE.org is "easy to navigate and easy to find your contact information." Entries are judged on design, innovation, content, technology, interactivity, copywriting and ease of use.

The site exceeds 6,000 unique visits per day and hosts 8,000 documents. ASHRAE.org was launched in 1995 to deliver information to the HVAC&R industry, including authoritative, in-depth technical information, information on Society activities, updates on emerging trends in new technologies, and information on HVAC&R products, companies and organizations.

"ASHRAE.org is designed to make it easy for visitors to find the information they need in order to help fulfill their obligation to their clients and customers as well as to the Society," David McAlister, ASHRAE's manager of electronic communications, said. "For Internet professionals to judge our site a Standard of Excellence in Web design is encouraging. But the usability and friendliness of a site depends on member feedback and constant study of industry best practices. We see this award as confirmation that we're on the right path."

Services of the site include:

Discussion boards to enable practitioners to share expertise and opinions in a variety of technical areas.

Online meetings for committees.

An interactive membership application form.

A career services center where members can post resumes and search for jobs.

Enewsletters, The HVAC&R Industry, which provides weekly industry update to subscribers, and Society Connections, which provides discussion forums on technical issues and Society news.

The Web Marketing Association was founded in 1997 to help set a high standard for Internet marketing and corporate Web development on the World Wide Web.

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