

THE BADGERAIRE

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS, INC.

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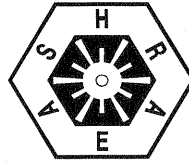
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A PUBLICATION OF THE WISCONSIN CHAPTER OF ASHRAE

Volume Number 2008.9-IV – Jan., 2009

January 22, 2009 Program – Wisconsin Code Review

This month is our annual discussion with Randy Dahmen of the State of Wisconsin Department of Commerce. He will discuss the Wisconsin Building Code changes that went into effect last March and maybe some new surprises. His presentation will include an overview of the most frequently asked questions surrounding the new IMC code and areas of the code that are causing the most confusion to designers, engineers, contractors and inspectors. Randy will also allow ample time for our membership to ask questions about codes that they do not understand.

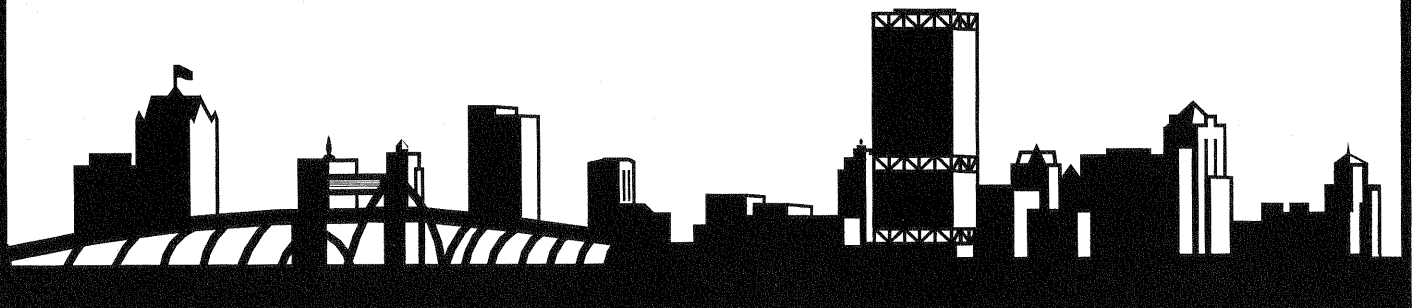
Program Location

Milwaukee School of Engineering
Todd Wehr Auditorium, 1025 N. Broadway, Milwaukee, WI

Registration:	11:15 A.M. - 11:45 A.M.
Business Meeting:	11:30 A.M. - 11:45 A.M.
Main Program w/lunch:	11:45 A.M. - 1:00 P.M.

Reserve at www.ashrae-wi.org.

Prices: The program cost is \$20 for non-members. There is no cost for Wisconsin Chapter ASHRAE members who have paid their local dues. Checks should be made payable to the "Wisconsin Chapter of ASHRAE."



PRESIDENT'S COLUMN

After the holiday break it's time for another column and meeting! We hosted our Holiday Party December 4th at the Milwaukee Ale House with a small number of attendees. Those who did attend enjoyed the low key atmosphere and good food that was served for the group. Hopefully more of you can attend next year!

Planning is switching into high gear for our upcoming CRC in 2010. We are always looking for more help with this committee and would love to hear from you. Please contact either Dave Grassl (dgrassl@ringdu.com) or Mike Jahner (michael.jahner@marquette.edu) for more information on how you can help. Donation requests will be in the mail soon! ☺

We have a special offer available for first time attendees to the 2009 ASHRAE Winter Meeting in Chicago. There is a one-day pass available to attend the meeting for FREE. There is also an option for attending the entire meeting for \$255. If you are interested in either option please let me know. Remember, this is available for first time attendees to an ASHRAE annual meeting and it requires my signature as the local chapter president.

Mark your calendars for next month's meeting; a topic that is near and dear to our hearts – COMMISSIONING! ASHRAE Distinguished Lecturer Carl Lawson will present two discussions on February 19, 2009. The first topic will be "Operation & Maintenance of HVAC Systems for Improved Comfort". The second topic will be "Air Quality and Commissioning as Usual".

This month is our annual discussion with Randy Dahmen on the Wisconsin Building Code. See everyone at the upcoming meeting!

Maggie Roll
Wisconsin Chapter of ASHRAE President
mroll@rindu.com
414.778.7422

TABLE TOP PRESENTATIONS

We still have some spots available for table top presentations for individuals wishing to display a product or service at upcoming meetings. Upcoming table tops will be advertised in the Badgeraire if a write-up is available in time for the newsletter printing. The table top will be available during the social hour before the "Official" meeting. The cost of the table top is \$175 with all proceeds going towards Research Promotion. The chapter is saving all these donations for an honorarium donation in the name of a local chapter member. Spots are available on first come, first serve basis. Please contact Maggie Roll. This month Hydro-Flo will be bringing in some of their equipment for you to see.

ASHRAE WINTER MEETING

This year's winter meeting will take place in Chicago January 24-28, 2009. Please try and take the time to visit the meeting and the AHR expo!

ASHRAE Region VI CRC

This year's CRC will take place in Des Moines, Iowa on May 7-9, 2009. The Iowa chapter will be posting information about the upcoming program in the near future. I am sure that the Iowa chapter has lots of activities planned for you and your significant other.

Engineers Wanted!

Bit 7, of Madison, is looking for contract engineers for the following assignments:

- Project Engineer for a Madison client
- System Design Engineer for a Madison client

If you are receiving the electronic Badgeraire, complete assignment descriptions follow Page 4. If you are receiving the paper version, contact Bit 7 at 608-224-0377 for details.



"science for sustainable environments"

The Challenge

"... the wealth of nations, as of men, consists of substance, not in ciphers ... the real good of all work, and of all commerce, depends on the final intrinsic worth of the thing you make ..."

John Ruskin

This thought from the 1870's is well suited to sustainable development and our role as engineers in creating built environments. The industry, with strong leadership from ASHRAE is rapidly creating a measureable profile of worth for buildings. Factors include energy and water resource use, the experience of occupants, and impact on their activities. The expectation is achievement of drastic reductions in resource use (Net-zero!) while creating an evermore productive environment for occupants at competitive costs to lesser alternatives.

Preparation

That's the challenge, the standard of worth for our labor. Are you ready to meet it? ASHRAE is committed to creating and offering you the technical information you will need to succeed. Your investment in ASHRAE Research gives you a chance to help yourself.

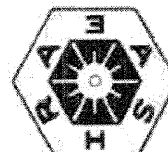
Get plugged into ASHRAE Research today. Contribute online, at our monthly meeting, or by mail, in whatever amount makes sense to you. We'll recognize the contribution here, but your attention to ASHRAE Research will be the real return for this investment in your own success.

For information or to contribute, contact:
Jude Anders (jaonthe-shoreline@yahoo.com)
ASHRAE Wisconsin Chapter
Research Promotion Chair

Chapter Research Investors 2008-2009 Campaign

Golden Circle (\$10,000 and above)
ASHRAE Partners (\$5,000 - \$9,999) Desert Aire Corporation
ASHRAE Associates (\$2,500 - \$4,999)
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Table Top Participants Fluid Handling, Inc. (October)

WISCONSIN CHAPTER OF ASHRAE
 Attn: Bill Armstrong
 12130 W. Carmen Ave.
 Milwaukee, WI 53225-2135



Upcoming Meetings-Mark Your Calendars!

MEETING DATE / THEMES	LOCATION	TOPIC	SPEAKER
Thursday, January 22	MSOE - Todd Wehr	State Code Review	Randy Dahmen
Thursday, February 19	Alioto's	Commisioning	Carl Lawson – ASHRAE Distinguished Lecturer
Thursday, March 19	Joey Buona's	WE Energies Focus on Energy	TBA
Thursday, April 16	TBA	TBA	TBA
Thursday, May 21	MATC	Ductwork Design	Steve McKenzie



BIT 7, Inc. | Bjorksten
Product Development
7 Fen Oak Court
Madison, WI 53718

tel
608.224.0377
fax
608.224.0455

System Design Engineer

BIT 7 Career Opportunity

Duration: Contract

Location: Client-Site Madison, WI

Our client, a leader in consumer products and home innovation, has retained us to locate this technical lead position.

Primary responsibility includes new product development with an emphasis on sealed systems and electronic controls. Position will work with electronic control systems and work with supplier and other departments to implement designs into production.

Who is BIT 7?

In the past 20 years, BIT7 evolved into company whose mission is to assist other companies in making their products happen. With an eye toward minimizing overall development time, the organization has developed a process that maintains high level of quality while minimizing the total costs of developing new products.

Located in Madison, WI, BIT 7 has a team of over sixty product development specialists serving national and international clients.

Together we offer a broad range of experience involving successful completion of life supporting medical equipment, exacting tolerance and quality of laboratory instruments, rugged reliability of industrial equipment, and the high-demand economics of consumer products. With a history of production involvement, our designs have demonstrated over 90% ratio of commercial and in-market success.

Responsibilities:

- Design, specify, and test sealed systems and electronic controls for residential HVAC / refrigeration appliances.
- Work with suppliers to properly identify components/systems.
- Procure parts/systems for prototype builds.
- Interact with test labs to verify prototypes/application.
- Interact with designers to document designs.
- Interact with manufacturing, quality, and line personnel to implement new designs into production.
- Integrate electronic controls into service training system.
- Responsible for project coordination starting at marketing conception through production implementation.

Qualifications:

- Four-year engineering degree required.
- BSME with electro-mechanical experience or BSEE preferred.
- 2 to 5 years experience with design and production of consumer goods, especially refrigeration.
- Experience with electronic controls, heating elements, motors, insulation, and fasteners.
- Experience using Solidworks a plus.
- Understanding of materials (i.e. sheet metal, metal castings, plastics, glass, etc.).
- Ability to work in team atmosphere.
- Ability to work in environments experiencing routine and rapid change.
- High level of energy and enthusiasm.
- Ability to work with tools in building/creating prototypes is a plus.
- Ability to lift 50 lbs may be required on a limited basis.

Compensation/Benefits:

BIT 7 provides a competitive salary, benefits package, and 401(k) options. BIT7 offers a culture that values its talented staff members and rewards creativity. We understand that the quality of our staff's lives is reflected in the quality of their work. Learn more about us at www.bit7.com.

Interested candidates please email a resume in Word format to Stacy Berg at sberg@bit7.net for consideration for this position.

BIT7 and its Clients are equal opportunity employers and do not discriminate in employment on the basis of race, color, religion, sex, national origin, political affiliation, veteran status, sexual orientation, marital status, disability, age, membership in an employee organization, or any other classification protected by federal, state, or local law.



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Product Development
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Madison, WI 53718

tel
608.224.0377
fax
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Project Engineer

BIT 7 Career Opportunity

Duration: Contract

Location: Client-Site Madison, WI

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Our client is a market leader known for producing home appliances with award winning designs and top level quality. We currently seek a systems level engineer to work on identifying cost reduction opportunities within their current designs. This is a high profile opportunity that offers the chance to contribute to both our client's bottom line and to assist consumers in purchasing the highest quality product for the most efficient cost.

Responsibilities:

- Design, develops, and evaluates current products for cost reduction opportunities.
- Coordinate projects from concepts through production.
- Create and review designs.
- Develop new initiatives for future projects.
- Develop test and validation protocols for prototypes/application.
- Work with suppliers to properly identify components/systems.
- Ensure product compliance for quality, safety, and performance.
- Work closely with vendors, suppliers, and manufacturing to create design efficiencies.
- Manage project schedules.

Requirements:

- 3 years or more related experience required.
- BS in Mechanical Engineering or Electrical Engineering required.
- Understanding of manufacturing, quality, and line personnel and knowledge of how to implement new designs into production.
- Understanding of materials (i.e. sheet metal, metal castings, plastics, glass, etc.).
- Superior communications.
- Project management experience.
- Experience working in regulated environments such as DOE and UL preferred.

Compensation/Benefits:

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Relevant keywords: designer, product, project, Engineer, engineering, mechanical, project manager, design, mechanical engineer, process, test, mechanical engineering, project engineer, manufacturing, new design