

MISSISSIPPI VALLEY CHAPTER 123 ASHRAE



Seminar Announcement

March 19, 2009

The Amazing Hydronics Seminar

Topic: Modern hydronic heating
2nd Edition by John
Siegenthaler, P.E.

Speaker:

The speaker will be John Siegenthaler, founder of Appropriate Designs a company which was formed in 1983 to provide engineering design services specifically *focused on low-energy-use buildings*.

Appropriate Designs is a team of engineering professionals dedicated to advancing the science and proper application of modern hydronic (water-based) heating. We are specialists in the application of engineering principles, computer aided design, technical writing, and teaching. We integrate these capabilities as necessary to continually develop new support materials for the hydronics industry.

DATE: Thursday March 19, 2009

LOCATION:

Steeplegate Best Western Inn
N. Brady (Hwy 61 Exit) & I-80

100 W 76th Street, Davenport, Iowa
Telephone 563-386-6900

TIME: 7:30 a.m.-4:00 p.m.

COST: **\$190 until 12 Mar 09**
\$210 at the door
Students \$30

Make checks payable to "**Mississippi
Valley Chapter ASHRAE**".

Reservations:

Click on website for more information or to register

<http://www.mississippivalleyashrae.org/seminars/seminars.htm>

Fee includes

- Lunch & 2 breaks with refreshments.
- Pertinent pages Manuals
- Eligibility for 7 Professional Development Credit Hours (PDH) for engineers — and 7.5 LU/HSW units for architects.

For information Call Bruce L Davis at
309-765-4486, 309-765-4026 (fax) or
(email DavisBruceL@JohnDeere.com)

Mail in registration form with check by 12
March 2009 to:

ASHRAE Seminar
C/O Karen Pang
Stanley Consultants
225 Iowa Avenue
Muscatine, IA 52761

<See registration form other side>

Agenda:

The Amazing Hydronics Seminar

[See: <http://en.wikipedia.org/wiki/Hydronics>,
and: <http://www.hydraulicpros.com>]

7:30am Registration open, Coffee and rolls

8:00 am Welcome - Bruce L Davis,
Moderator

Introduction of Speaker - Andy Price, Stanley
Consultants

8:05 am Application & Piping of Multiple
Modulating Boilers;

9:10 am Hydraulic Separation -- Beyond
Primary/Secondary Piping;

10:10 am Break – mini-muffins and
beverages

10:25 am Distribution Efficiency & the future of hydronic circulators

(Address Label space)

11:45 am Hot Buffet Sit-down Lunch

12:30 pm Integrating Active Solar Into Hydronic Heating Systems -- The latest approaches

1:40 pm Hydronic Approaches to High Capacity Domestic Water Heating

2:40 pm Break – cookies

3:00 pm Mini-tube Distribution systems for large Radiant / Snow melting Applications

4:00 pm Conclusion

Note: A portion of registration fee will be used to fund the annual educational scholarship offered by the chapter. **Attendees may elect to receive the notebook manual on CD or flash drive only so the cost of the notebook will be donated to the scholarship fund.** Click on this link to Chapter website for information.
<http://www.mississippivalleyashrae.org/student/student.htm>

Or contact PriceAlyssa@stanleygroup.com for information about the scholarship application.

Seminar Committee

Bruce L Davis	Deere & Company
Andy Price	Stanley Consultants
Jon Bovenkamp	Stanley Consultants
Karen Pang	Stanley Consultants

ASHRAE Seminar - March 19, 2009
Steeplegate Best Western Inn
N. Brady (Hwy 61 Exit) & I-80
100 W 76th Street
Davenport, Iowa 52806

<Registration form>

> Download online at www.mississippivalleyashrae.org

Registration Information:

Please complete and send with payment to:

ASHRAE Seminar
C/O Karen Pang
Stanley Consultants
225 Iowa Avenue
Muscatine, IA 52761
pangkaren@stanleygroup.com

\$190 through **March 12, 2009** and \$210 thereafter
(seating is limited)

Name _____

Company
Name _____

Occupation _____

Address _____

City _____

State/Zip _____

Phone # _____

Email _____

Enclosed is my check for \$ _____ payable to
Mississippi Valley ASHRAE

_____ I elect to forego the notebook and receive the manual on CD or flash drive only.