



# Student Activities

A quarterly newsletter for the constituents of ASHRAE Student Activities

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## The Student Program - A Hit!

This year's ASHRAE Student program was held in the Red Lacquer Room of the Palmer House Hilton in Chicago, IL, on Sunday, January 22, 2006. The program opened with a breakfast, address from ASHRAE President Lee Burgett, PE, and a motivating talk from Don Rheem of Don Rheem Media. Mr. Rheem talked about the importance of communication in the business world and reminded the students that people don't always see things the same way and how to use effective communication to work effectively with others. The Student Program also offered a brief talk on the

2005 Solar Decathlon by Sheila Hayter, PE, presentation of 2006 Design Competition awards and student posters. The program was wrapped up with Student Branch presentations and an amazing career panel including ASHRAE members Jason Alphonso, Kelley Cramm, Dave Evers, Traci Hanegan, Nicholas Long, and Dunstan Macauley.

The Student Program was followed by a technical tour of Northwestern University's Block Gallery Museum, which included a segment in the penthouse air handler room



The Student Program in Chicago attracted more than 300 ASHRAE student members.

and a talk from the lead building architect and engineer.

Next year's Student Program will be held in Dallas, Texas, and we will see you there!



## Cool Tools in the Windy City!

The ASHRAE Meeting in Chicago was well attended with many activities for students to participate in and the Cool Tools Workshop (a student PDS) was well-attended and exciting. Five teams of students (and a few professionals) were led by each of the recipients of the Portland ASHRAE travel scholarships in and about the Palmer House

conducting intriguing case studies of thermal comfort in the fitness/spa room, transitional space conditions in the lobby, ventilation effectiveness in the elevators, effectiveness of exhaust fans and humidity in the hotel rooms during a shower, and mean radiant temperatures along a hotel corridor.



By Dr. Alison Kwok,

Arch., University of Oregon

# The Student Consultant in Chicago...



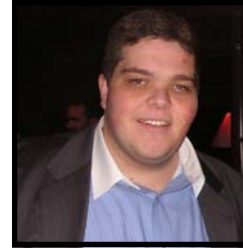
Every year during the Winter and Annual Meetings, the Student Activities Committee of ASHRAE chooses a regional student representative to sit in on the committee meeting; the Student Consultant position. At this year's Winter Meeting, in Chicago, Illinois, Steve Spentzas, a student at the University of Illinois at Chicago (UIC), was chosen to sit in on the SAC committee. Steve lives in Chicago and is a representative of Region VI. Steve has been an active student in his local ASHRAE chapter and is currently student branch president. Steve also attends the

Illinois ASHRAE Chapter meetings regularly. Steve did have a few things to say about his experiences working with Student Activities:

"I was amazed to see how big ASHRAE really is. It was my first time at a Winter Meeting and I met a lot of interesting people. Everyone was really helpful. The members of Student Activities asked for my opinions and they were really receptive to my ideas. I started to understand how structured the Society is and

I got a first hand view to how the ASHRAE machine works. I felt like I was really doing my small part to contribute to the whole. It

was a wonderful experience and I really recommend becoming a Student Consultant to any student that wants to step up and take an active role in ASHRAE." 



**Steve Spentzas is the President of the UIC Student Branch**

**If you are interested in learning more about the Student Consultant position, contact the Manager of Student Activities.**

*"Engineering is an activity other than purely manual and physical work which brings about the utilization of the materials and laws of nature for the good of humanity."*

**-R.E. Hellmund**

## Important Dates to Remember...

**May 5, 2006**

Deadline for submitting paper to local ASHRAE Chapter Student Activities Chair. Please forward international entries directly to ASHRAE Manager of Student Activities by May 5, 2006.

**May 19, 2006**

Deadline for local ASHRAE Chapter to forward the best entry in each category to the Regional Vice Chair for Student Activities.

**May 26, 2006**

Deadline for Regional Vice Chair to forward the best entry in each category to the Manager of Student Activities.

**June 23, 2006**

Society level competition under the direction of the Student Activities Design Project Competition Subcommittee. 1st, 2nd and 3rd place winners will be selected in each category.

**August 4, 2006**

Winners are announced no later than this date. 1st, 2nd, and 3rd place winners for each category are selected. Winners are announced.

**May 31, 2006**

**Student Branch Status Reports** are due to the Manager of Student Activities no later than this date once annually.

You can access them on the Student Zone website and submit them electronically. Branches failing to submit these will be considered inactive.

Don't Forget! 

⇒ Host a student night with the local chapter and the student branches if you have not already done so.

⇒ The logo store is a great place to get inexpensive gifts for your graduating seniors!

# ***Be a leader in ASHRAE!***

# ASHRAE Participation in EXPO 2006



known as a "heat pipe" which was loaned to the organization by Stan Weaver and Company; a local engineering sales company that represents HVAC

refrigeration cycle, student members answered questions about the mechanical engineering curriculum at USF, course work, graduate studies, internships and more.

At the closing Ceremonies, Expo staff and judges awarded the ASHRAE Student Branch the "Most Outstanding Student Society Exhibit" for 2006. ASHRAE President Brant Holeman and

*"In order to succeed, your desire for success should be greater than your fear of failure."*

*-Bill Cosby*

Tampa, Fla. (Feb. 20, 2006) - Of the estimated 1,600 people who attended USF's 33rd Annual Engineering Expo, several left with a greater appreciation for mechanical engineers. Why? The University of South Florida's Student Branch of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) presented "Engineering For The World We Live In," an exhibit demonstrating how air conditioners work. With the support of its local parent group, the Florida West Coast Chapter of ASHRAE, student members explained how a series of coils and fans keep our homes cool in the Sunshine State.

The group's main attraction was a large device

manufacturers. The heat pipe uses a special arrangement of copper coils to precool air entering an air conditioner; shaving a few degrees off the warmer air before it hits the main cooling coil. The energy removed from the air stream is later used to reheat the same air before it leaves the machine. The result is a highly efficient air conditioner that saves energy and can dehumidify air much easier than previous units. In addition to teaching guests about the

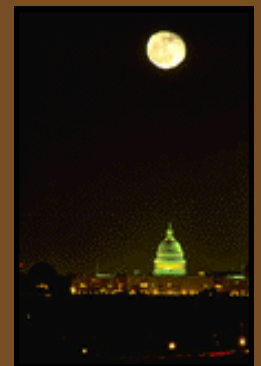


Launch Internet Explorer Browser Link

ASHRAE Expo Chairman James Merker accepted the award from Dr. Paul McCright on behalf of all the student volunteers and members that helped support ASHRAE in the last few weeks. 

Available online at: [http://me.eng.usf.edu/meexpo/expo2006/ashrae\\_index.htm](http://me.eng.usf.edu/meexpo/expo2006/ashrae_index.htm) and also at: <http://org.eng.usf.edu/ASHRAE>

By Brant Holeman





## Student Activities

The American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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The upcoming ASHRAE Annual Meeting is in Quebec City, Canada!

### Did You Know?

- ⇒ Quebec City is home to the oldest church in North America, Notre-Dame-des-Victoires, built in 1688
- ⇒ Quebec City is located on the St. Lawrence River
- ⇒ Quebec City is a bilingual city where the locals speak both French and English

*We're on the web! Make us your homepage!*

[www.ashrae.org/studentzone](http://www.ashrae.org/studentzone)



## Sustainability Focus of ASHRAE Satellite Broadcast

ATLANTA – Registration opens today for ASHRAE's satellite broadcast on sustainability and the building environment.

Information about building sustainability principles, practices and emerging concepts will be presented in the free April 19, 2006, satellite broadcast and Webcast, Sustainability and the Building Environment. The program will take place from 1-4 p.m. EDT.

Registration opens today for satellite broadcast site coordinators and Webcast participants. Registration opens March 15 for satellite broadcast site participants. To register or for more information, visit [www.ashrae.org/greenbuildingsbroadcast](http://www.ashrae.org/greenbuildingsbroadcast).

The speakers for the broadcast will provide guidance on how to practice

sustainable building design. They are:

- Joe Van Belleghem, partner, Windmill Developments, Victoria, Canada, Green Buildings and Sustainable Communities – A Developer's Perspective;
- Hal Levin, Fellow ASHRAE, research architect, Building Ecology Research Group, Santa Cruz, Calif., Sustainability: What Does It Mean and Why is It Important;
- Jean Lupinacci, director, ENERGY STAR commercial and industrial branch, Climate Protection Partnerships Division, U.S. Environmental Protection Agency, If It's Not Energy Efficiency, It's Not Sustainable: How to Ensure Top Energy Performance in Green Buildings;
- Kevin Hydes, P.E., P.Eng., vice president, Sustainable Practice, Stantec, Montreal, Canada, Better by Design: Project Studies;
- Malcolm Lewis, Ph.D., P.E., president, CTG Energetics, Irvine, Calif., Integrated Design for Sustainable Buildings



By Jodi Dunlop

