



# 2009 ACI Home Performance Conference

April 27 – May 1, 2009

Kansas City, Missouri



HOUSE AS A SYSTEM



Advancing Home Performance

[www.affordablecomfort.org](http://www.affordablecomfort.org)

## Check out these Special Events & Sessions

**Monday, April 27**

### **Full Day (Special Sessions) National Home Performance with ENERGY STAR® Symposium 8:00 AM – 5:30 PM 6th Consecutive Year**

Home Performance with ENERGY STAR (HPwES) links ENERGY STAR to comprehensive, building science based home improvement services. This symposium will discuss sponsor deployment strategies and national implementation issues for both new and mature HPwES programs, and is specifically for HPwES program participants and potential program sponsors. Interest in our energy efficiency industry is peaking, and with HPwES being the recognized national program, you do not want to miss this opportunity to either grow your existing program or learn the ropes on how to start one. Check the ACI website for an updated agenda.

*Registration: \$75 per person*

### **Healthy Homes Specialist Certification Course & Exam 8:00 AM – 5:30 PM**

The Healthy Homes Specialist Credential recognizes health and housing professionals who have the qualifications, knowledge, and experience to assess a home for health hazards and identify approaches to address those hazards. The credential is a joint project of the National Center for Healthy Housing and the National Environmental Health Association.

ACI has arranged for NCHH to offer a one-day training session to prepare housing professionals to take the exam. NCHH will offer the exam and an exercise at the end of the training. See [www.healthyhomestraining.org/Credential](http://www.healthyhomestraining.org/Credential) for more information.

*Registration: \$75 per person, discounted from the standard rate of \$205 per person*

**Tuesday Morning, April 28  
7:00 AM – 8:00 AM**

### **Newcomer's Welcome Breakfast & Orientation Session**

New to the conference? Bring your program book and join ACI enthusiasts for a light breakfast, valuable information, and how to get the most out of your conference experience.

**Tuesday, April 28, & Wednesday, April 29  
Jazz, Blues, & Barbeque Tour**

The Jazz, Blues, & BBQ Tour is back at AC / KC '09! Several of the original BBQ restaurants and night clubs will be back on the tour again and some new ones will be added. As veterans of AC / KC '03 will remember, the JB&BBQ Tour provided safe, reliable, and timely bus transportation (every 15 to 20 minutes) to local KC BBQ restaurants. Sample the best BBQ in the world and enjoy some of the most interesting local nightclubs. Get a taste of the great jazz, blues, and rock & roll music that has made Kansas City famous.

**Tuesday Evening, April 28  
7:00 PM**

### **Update: Thousand Home Challenge**

The goal of the Thousand Home Challenge is to demonstrate the potential to reduce energy use in existing homes by 70 to 90% across

North America. Learn about this initiative and its focus on fostering local solutions and regional networks including the NorCal (Northern California) Collaborative. Find out how you can get involved in the pilot phase, and explore the potential for synergy with your current projects.

**Tuesday Evening, April 28  
7:00 PM**

### **Home Performance Media Forum**

With increasing pressure from the Internet and mobile media, it's time for business and trade publishers to reexamine our assumptions about how to serve the information, marketing, and education needs of home performance professionals and trainees. Learn about new training and media initiatives that can develop your skills and workforce while helping you sell your services and products. Participate in brainstorming a new media agenda for home performance publishers and online educators.

**Wednesday Evening, April 29  
7:00 PM**

### **Why LEED® Buildings Use More Energy than Comparable Buildings and How Serious Practitioners Can Avoid the Same Results (Where LEED is Not Yet Required by Law)**

Why do architects and engineers with decades of experience take orders from someone with a professional certification that can be earned in 8 hours? Who benefits from the public's faith in LEED, and who is harmed by it? Henry Gifford's first time in a room full of energy geeks was at an Affordable Comfort conference years ago, and since then he has worked on buildings that are so energy efficient he gives out copies of the utility bills at tours of the buildings. When the claims about LEED buildings saving energy came out he did some investigating. He will tell you how he learned the truth about how much extra energy LEED buildings use (on average), and what the reaction has been.

**Wednesday Evening, April 29  
7:00 PM**

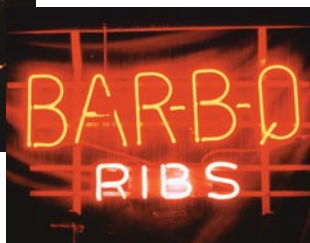
### **Game Changing Innovations Affecting Residential Energy Use**

Explore the innovations that have the potential to rock the world of residential energy use in North America. What is coming down the pike that will transform the way our homes perform and meet our needs? How could these innovations affect the work that we do and impact our energy future, the environment, and the economy? This discussion will cover that gamut - from widgets to feedback systems.



Live jazz can be heard nightly at clubs around town. Photos Courtesy of the Kansas City Convention & Visitors Association.

Kansas City's world famous barbecue is available at more than 100 area restaurants.



For information on session descriptions, presenter biographies, and more, visit [www.affordablecomfort.org](http://www.affordablecomfort.org).

## Logistics Information

### **Conference Location & Lodging**

Hyatt Regency Crown Center  
2345 McGee Street  
Kansas City, MO 64108

### **Hotel Reservations**

The group rate starts at \$149, plus applicable tax (currently 15.225%) in effect at time of check-in. Reserve your room by calling **816-421-1234**. Mention "ACI Home Performance Conference" when making your reservations to receive the discounted rate. Conference hotel rate expires **March 20, 2009**. For driving directions, please contact the hotel.

### **Parking**

Hyatt Regency Crown Center provides valet parking: short term is \$9 per day and overnight is \$17. The hotel also provides self-parking: overnight is \$13.50 per day, banquet validation is \$4 for 3 hours, and early bird (in before 10:00 AM and out the same day) is \$7. (Rates are subject to change.)

### **Transportation**

**Kansas City International Airport (MCI):**  
The hotel is about 20 miles from the airport.

### **Rail Service:**

**Save Money and Reduce Your Environmental Impact by a Factor of 10**  
Amtrak will offer a 10% discount off the lowest available rail fare to Kansas City, MO, during April 24 through May 4, 2009. To book your reservation, call Amtrak at **1-800-872-7245** and mention the Convention Fare Code **X38T-940** to receive the discount. Note: this discount cannot be applied to reservations booked via Internet. This offer is not valid on the Auto Train and Acela Service. Fare is valid on Amtrak Regional for all departures seven days a week, except for holiday blackouts. Offer valid with Sleepers, Business Class, or First Class seats with payment of the full applicable accommodation charges.

Union Station (KCY) is located on 30 W. Pershing Rd., Kansas City, MO 64108.

Union Station and the Hyatt Regency are connected by The Link. It is an elevated pedestrian walkway, which is weather-protected and offers lighted access between hotels, office buildings, and the Crown Center Shops.

**Shuttle Service:** SuperShuttle provides transportation to and from the airport and Hyatt Regency Crown Center. For more information, call 1-800-622-2089, ext 2.

**Cab Service:** Local cab company is Yellow Cab Taxi Service, 816-471-5000.

**Bus Service:** The JO is a bus service to Kansas City, Missouri and Kansas, and Johnson County.

## Get ready for America's emerging green economy.

Interest in energy efficiency, peak oil, and global warming is at an all time high. Even in these tough economic times, there is hope that practical, workable solutions will finally prevail. The simple truth is that American homes are inefficient users of energy. Careers and programs that incorporate green technologies, building science training, and energy retrofits align with our government's new efforts to help American's find good paying jobs in their local communities.

Use the know-how you gain and the connections you make at the conference to develop an important career path that is expected to provide high-growth opportunities for many years to come.

## KEYNOTE SPEAKERS

### Tuesday, April 28, 8:30 AM – 9:40 AM, Keynote Address Brace for the Oil Price Boomerang (but Natural Gas will be Different)

The stage is set for wide deployment of energy efficiency services. Prepare to ramp up! We are in the beginning stages of the transition from a cheap, abundant energy economy to one in which energy conservation will be increasingly important. Yes, speculation helped oil prices overshoot in July 2008, but the oil price crash of last fall overshoot to the downside as well. Short-term demand destruction is leading to long-term supply destruction. That means high prices will ambush us again, probably within a year or two.

**Steve Andrews** is a co-founder of the Association for the Study of Peak Oil - US affiliate (ASPO-USA). ASPO-USA is a non-partisan, non-profit research and public education initiative organized to address the USA's peak oil and natural gas energy challenges.



### Luncheon Presentation Stimulus and Energy Policy Impacts on Home Retrofit Network

Two million homes will be weatherized with the Federal Stimulus Package. Home energy efficiency retrofits are key national policy strategies for job creation and US energy independence. Hear how the Stimulus Package and new energy policies are rolling out from Washington.

**Gil Sperling**, Director, Weatherization and Intergovernmental Affairs, US DOE (invited)

## SPONSORS

### Platinum Sponsors



### Gold Sponsors



## Silver Sponsors

Associated Electric Cooperative, Inc.  
Columbia Gas of Ohio  
Heartland Utilities for Energy Efficiency  
Illinois Department of Commerce & Economic Opportunity  
Johns Manville  
Kansas City Power & Light  
KCC Energy Programs Division  
KC Neighborhood & Community Services  
Lockheed Martin  
Pacific Gas & Electric Company  
Sustainable Spaces

## Bronze Sponsors

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Association for Energy Affordability, Inc.  
City Utilities of Springfield, MO  
Energy Trust of Oregon  
Home Energy magazine  
Honeywell Utility Solutions  
Kansas Building Science Institute  
Metropolitan Energy Center  
Missouri Gas Energy  
NATE  
PPL Electric Utilities  
State & Local Energy Report  
Wisconsin Energy Conservation Corporation

## Partners

Advanced Energy	Heyoka Solutions, LLC
American Council for an Energy-Efficient Economy	Independence Power and Light
American Society of Home Inspectors	Livable Housing, Inc.
Bevilacqua-Knight, Inc. (BKl)	MaGrann Associates
Bridging The Gap	Michael Blasnik & Associates
Building A Sustainable Earth Community	Missouri Botanical Garden's EarthWays Center
Building Professionals Consortium, Inc.	National Association of the Remodeling Industry (NARI)
California Building Performance Contractors Association (CBPCA)	National Center for Healthy Housing
Canada Mortgage and Housing Corporation (CMHC)	Northeast Sustainable Energy Association (NESEA)
CertainTeed Corporation	Pennsylvania Housing Research Center
City of Berkeley, Office of Energy & Sustainable Development	Performance Plus Homes
City of Kansas City, Missouri	Performance Systems Development
Columbia Water & Light	Pulaski Bank Home Lending
Conservation Connection Consulting	Pure Energy
EarthWays Center	RESNET
Enterprise Community Partners, Inc.	Southface Energy Institute
Ground Level Solutions	Steven Winter Associates, Inc.
Hathmore Technologies, LLC	The Energy Savings Store
	Washington State University Extension Energy Program

# SHORT COURSES & SPECIAL SESSIONS

MONDAY FULL DAY (MFD) SHORT COURSES & SPECIAL SESSIONS 8:00 AM - 5:30 PM	
<b>MFD HP</b>	National Home Performance with ENERGY STAR® Symposium (Special Event) - <i>Chandler von Schrader, +, +</i>
<b>MFD HH</b>	Healthy Homes Specialist Certification Course & Exam (Special Session) - <i>Tom Neltner</i>
<b>MFD 01</b>	The Devil in the Details: Superinsulating Existing Home Walls (registration limited) - ( <i>Linda Wightingon, Moderator</i> ), <i>Paul Cotter, David Heslam, Katrin Klingenberg, +</i>
<b>MFD 02</b>	Achieving Quality in a Home Performance Business - <i>John Tooley</i>
<b>MFD 03N</b>	Sizing up Duct Leaks: From CFM 50 to Energy Savings - <i>Bob Davis, Krista Egger</i>

MAM	MONDAY MORNING (MAM) 8:00 AM - 12:00 Noon
<b>MAM 04</b>	House as a System - <i>David Keefe</i>
<b>MAM 05</b>	Best Ventilation Practices for High Performance Homes - <i>Don Stevens</i>
<b>MAM 06</b>	Home Performance Testing & Contracting - <i>Anthony Cox, Dick Kornbluth</i>
<b>MAM 07N</b>	Air Sealing Multifamily Buildings (In-field) - <i>Steve Tratt</i>
<b>MAM 08</b>	House Depressurization & Resilient Combustion Venting (Advanced) - <i>Tom Andrews, Jim Fitzgerald</i>
<b>MAM 09</b>	Finding & Preventing Cracked Heat Exchangers - <i>Eric Kjelshus</i>
<b>MAM 10</b>	Solar Thermal Design & Installation - +
<b>MAM 11</b>	ACCA QI Specifications - +
<b>MAM 12N</b>	Densepack Sidewall Insulation Installation (In-field) - <i>Bill Hulstrunk, +</i>

MPM	MONDAY AFTERNOON (MPM) 1:30 PM - 5:30 PM
<b>MPM 04</b>	Creative Comfort: Beyond Thermostat Set Point - <i>Rana Belshe, +</i>
<b>MPM 05</b>	Mac on Mold - <i>Mac Pearce</i>
<b>MPM 06N</b>	Delta Q: Duct Leakage Testing (In-field) - <i>Paul Francisco, Collin Olson, Iain Walker</i>
<b>MPM 07N</b>	Air Sealing That Works: Products & Priorities (In-field) - <i>Keith Williams</i>
<b>MPM 08</b>	Outside the Box: Affordable Energy Efficient Construction Techniques - <i>Bill Hanlon</i>
<b>MPM 09N</b>	Using an IR Camera (In-field) - <i>Bret Monroe</i>
<b>MPM 10</b>	Photovoltaics: Design & Installation - <i>Mike Stangl</i>
<b>MPM 11</b>	Emerging HVAC Technologies for Retrofit & New Construction - +
<b>MPM 12N</b>	CO Testing & Diagnostics (In-field) - <i>Rich Moore</i>
<b>MPM 13N</b>	CertainTeed Fiber Glass Plant Tour (In-field) - <i>John Larkin, Ron Rodvelt, +</i>
<b>MPM 14</b>	Apples & Oranges: An Audit is Not a Rating & A Rating is Not an Audit (Energy Software Discussion) - <i>Mike L'Ecuyer, Paul Norton, Greg Thomas</i>

EVENING SESSIONS (TEVE - WEVE)	
<b>TEVE 1</b>	Thousand Home Challenge - <i>Judy Roberson, Charles Segerstrom, Linda Wightingon</i>
<b>TEVE 2</b>	Home Performance Media Forum - <i>Chris Compton, Chris Dorsi, Henry Gifford, Jim Gunshinan, Tom White, Peter Yost, +</i>
<b>WEVE 1</b>	Game Changing Innovations in Energy Efficiency - +
<b>WEVE 2</b>	Why LEED® Buildings Use More Energy Than Comparable Buildings, & How Serious Practitioners Can Avoid the Same Results - <i>Henry Gifford</i>

ThPM	THURSDAY AFTERNOON (ThPM) 1:30 PM - 5:30 PM
<b>ThPM WD</b>	Report on US DOE Workforce Summit Findings Workplace Development Panel: Scaling up with Partnerships - <i>Patricia Plympton (Moderator), Panelists: Ed Pollock, USGBC KC Chapter, Veterans Green Jobs, +</i> Breakout Sessions on Training, Standards, Curriculum, Collaborative Programs
<b>ThPM 01</b>	Conducting an Infrared Inspection: Based on the New RESNET/BPI Standard - <i>John Snell</i>
<b>ThPM 02</b>	Hydronics - <i>Henry Gifford</i>
<b>ThPM 03</b>	Path to Net Zero Fossil Carbon (p2z) - <i>William Hurrell</i>
<b>ThPM 04</b>	Software Analysis Tools for Home Performance Contracting - <i>Steve Byers, Ethan MacCormick, Ori Skloot</i>
<b>ThPM 05</b>	Moisture Physics (Advanced) - <i>Joe Lstiburek</i>

SPECIAL EVENTS	
<b>JAZZ BBQ</b>	Jazz & Bar-b-que Tour Tuesday, April 28 - 7:30 PM busses load Wednesday, April 29 - 7 PM busses load <i>Times are subject to change</i>

FRIDAY FULL DAY SPECIAL SESSIONS	
	TBD

**In-field sessions are shaded in green**

For information on session descriptions, presenter biographies, and more, visit [www.affordablecomfort.org](http://www.affordablecomfort.org).

**What does MAM 12N mean?**

M = Monday      12 = Course Number  
AM = Morning      N = In-field

MAM 12N is an in-field short course that is being held on Monday morning.  
+ = additional presenter(s) to be determined  
( ) = Session Leaders

## Monday, April 27, & Thursday, April 30

**New this year! Short courses are included in the conference price!** These courses offer half or full-day in-depth information on a single topic, featuring small class sizes. The in-fields will fill up quickly, and space is limited. Be sure to pre-register early for the in-fields to ensure your place. Descriptions for short courses will be available on our website at [www.affordablecomfort.org](http://www.affordablecomfort.org).

## Tradeshow Tuesday, April 28 – Wednesday, April 29

Find effective solutions and build relationships at the 2009 ACI Home Performance Conference Tradeshow. For two days, you will have access to the nation's leading manufacturers showcasing cutting-edge products and technology. Meet face-to-face with companies who provide the tools you need to work smarter.

## BPI Certification Examinations

**Written Examination: Monday, April 27, 7:30 AM**  
**Field Examination: Monday, April 27, 8:00 AM until Completion**

BPI will offer its written and field certification examinations, for Building Analyst, Envelope, and Heating. Each examination set is crafted to ensure that the credential holder can properly evaluate critical performance parameters of a building that will impact health, comfort, safety, reliability, durability, efficiency, and performance.

Pre-registration is mandatory. Space is limited. Deadline to pre-register: Monday, April 13.

**For additional information and an application to register, please email [randerson@bpi.org](mailto:randerson@bpi.org) or call (877) 274-1274 ext 108.**

*Registration: \$500 per certification designation (both written and field exams)*

## Poster Sessions

Poster sessions are scheduled throughout the conference, available during tradeshow hours. Displays will represent a portion of the outstanding programs, concepts, or research results in use today. Presenters will be on hand to answer questions concerning development, use, and access of the poster contents.

**Be sure to check out the special posters from Kansas City and the surrounding region and discover the latest in green, energy efficient, sustainable construction, retrofits, and rehabs, as well as programs implemented in the area.**

## Thursday, April 30 Green Jobs Development Day

Hear the report of the DOE Workforce Development Summit on Thursday, April 30. Explore the critical issues of green workforce training, curriculum, and standards development with the organizations that are leading the way. See how the energy efficient home retrofit workforce is central to our national goals for sustainability and climate action agenda. Join the coalition that is building the new green economy and contribute ideas to grow the Nation's workforce for the Twenty-first Century.

# 2009 ACI HOME PERFORMANCE CORE CONFERENCE TRACKS / SESSIONS

APRIL 28, 2009 - TUESDAY

TRACK	7:00 - 8:20 AM	8:30 - 9:40 AM	9:40 - 10:05 AM	SESSION 1 10:05 AM - 11:45 AM	11:45 - 1:25 PM	SESSION 2 1:30 PM - 3:10 PM	3:10 - 3:35 PM	BREAK	SESSION 3 3:35 PM - 5:15 PM	5:15 - 7:15 PM	TRACK
Fundamentals (FUND)	COFFEE / EXHIBITS Keynote Address BREAK	EXHIBITS	LUNCH / EXHIBITS	The House as a System <i>David Keefe</i>	EXHIBITS	Understanding Building Pressures <i>Anthony Cox</i>	BREAK	EXHIBIT HALL	Understanding Heating & Cooling Loads <i>Armin Rudd</i>	EXHIBIT HALL	Fundamentals (FUND)
Year Round Comfort (COMF)				Mechanical Humidity Control Research Update <i>Subrato Chandra</i> <i>Armin Rudd</i>		Tailoring Air Conditioning For Your Climate <i>(Harvey Sachs), Tom Downey,</i> <i>Hugh Henderson, +</i>			Creating Comfort Zones <i>Skip Hayden</i> <i>Tamasin Sterner</i>		Year Round Comfort (COMF)
Building Shell (SHLL)				Next Generation of Air Sealing in Existing Houses <i>Henri Fennell</i> <i>Keith Williams</i>		Basement Insulation <i>Dick Kornbluth</i> <i>Brad Turk</i>			Cool Roofs for a Warming Planet <i>Marcus Bianchi</i> <i>Liz Robinson</i>		Building Shell (SHLL)
What's An Audit (AUD)				Energy Performance Scoring of Existing Homes <i>Michael Blasnik</i> <i>Eric Storm</i>		What's an Audit?: Simple through Comprehensive <i>Ethan McCormick</i> <i>Tamasin Sterner</i>			RESNET Existing Homes Audit Standard <i>Steve Baden</i> <i>+</i>		Diagnostics (DIAG) <i>Dave Abrey</i>
In Hot Water (H <sub>2</sub> O)				Hot Water Forum: Heating, Distribution, Water Use <i>(Harvey Sachs), Skip Hayden,</i> <i>Gary Klein, Jim Lutz</i>		Solar Water Heating - The Real Deal <i>Mike Rogers</i>			Tank Vs. Tankless Gas Water Heaters - How's a Person to Choose? <i>William Hoover</i> <i>Gary Klein</i>		HVAC (HVAC)
Green & Sustainable (SUST)				What is Green: Principles, Process, & Products <i>+</i>		Integrating the Technical, Design, & Lifestyle Components of Sustainable Design <i>Jane Thompson</i>			Walking the Talk: Merging Energy Efficiency & Renewables <i>David Bolt</i> <i>Larry Weingarten</i>		Beyond Business as Usual (BEY) <i>Linda Wigington</i>
Healthy Homes (HEAL)				Understanding & Solutions for Water Intrusions in Crawl Spaces <i>Douglas Ness</i>		Challenge of Applying ASHRAE 62.2 in Existing Homes <i>Rick Karg</i> <i>Robert Parkhurst</i>			Measured Crawl Space Performance in Multiple Climates <i>David Hales</i> <i>Maria Mauceri</i>		Healthy Homes (HEAL)
From Challenges to Opportunities (OPP) <i>Russ Rudy</i>				Greensburg - A Lesson in Cooperation <i>Brian Wendland</i> <i>Kathleen Wendland</i>		Dealing with Disasters: Deconstruction, Reclaim, & Reuse <i>Don Reck</i> <i>Ted Reiff</i>			Energy Performance Rehabs <i>Doug Bruggeman</i> <i>Orvall Howell</i>		Affordable Housing (HOUS)
Mobilizing Citizens, Communities, & Companies (MOBL) <i>Mike O'Brien</i>				Community Education: Methods & Media <i>Tamasin Sterner</i> <i>+</i>		The Energy Smackdown - A Community Outreach Strategy for Reducing Carbon Emissions <i>Donald Kelley</i> <i>+</i>			Moving from Energy to Carbon <i>Sean Penrith</i> <i>Gregory Thomas</i> <i>+</i>		Mobilizing Citizens, Communities, & Companies (MOBL) <i>Mike O'Brien</i>
Getting the Money (MON) <i>Russ Rudy</i> <i>Jeffrey Summerville</i>				Financing Home Performance with Utility Bill Savings <i>Brian Dreiling</i> <i>+</i>		No House Left Behind: Delivering Energy Efficiency to Every Home <i>Alice La Pierre</i> <i>+</i>			New Ideas in Funding Energy Efficiency Efforts <i>Conrad Metcalfe</i>		Multifamily (MULT)
Build Your Business & Profit (BUS) <i>Mike Rogers</i>	Different Home Performance Business Models <i>(Chandler von Schrader)</i> <i>Dan Kartzman</i> <i>Keith Williams</i>	Contractor Success Stories & Guerrilla Marketing Techniques <i>(Ed Thomas)</i> <i>Matt Golden</i> <i>Larry Taylor</i>	Eight Simple Things to Jump Start Your Business <i>Mike Rogers</i>	Build Your Business & Profit (BUS) <i>Mike Rogers</i>							
Program Implementation (PROG)	Water: Changing Programs & Policies <i>John Koeller</i> <i>Jed Scheuermann</i>	ENERGY STAR® Homes: Predictions, Performance & Real World Results <i>Michael Blasnik, Ben Hannas,</i> <i>Shaun Hassel</i>	Experiences with the KC Power & Light Cool Homes Program <i>Tom Downey</i> <i>Mike Schiffman</i>	Codes & Standards (C&S) <i>Doug Anderson</i>							

+ Presenter to be confirmed

( ) Session Leader

Sessions as of 2/16/09. Subject to change.

## Conference Registration includes:

- New this year! Short Courses are included at no extra charge!
- Keynote address
- All Workshops, Monday - Thursday
- Tradeshow, Tuesday, and Wednesday
- Refreshments, Monday - Thursday
- Light Breakfast and Lunch on Tuesday and Wednesday
- Exhibitor Receptions on Tuesday and Wednesday
- Evening Sessions

## Green Services

Take advantage of these green services provided by the Hyatt:

- Bins for recycling paper, glass, and aluminum
- Use of non-disposable cups and glasses for meeting rooms
- Guest linen and towel program to reduce the waste of water and power resources

Courtesy of the Greening the Conference Team

## Continuing Education Units (CEUs)

Earn continuing education units from these providers. Find out what credits may be available for each session by visiting [www.affordablecomfort.org](http://www.affordablecomfort.org).

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# 2009 ACI HOME PERFORMANCE CORE CONFERENCE TRACKS / SESSIONS

APRIL 29, 2009 - WEDNESDAY

APRIL 30, 2009 - THURSDAY

7:00 - 8:20 AM		10:10 - 10:35 AM		12:15 - 1:50 PM		3:45 - 5:45 PM		7:00 - 8:30 AM		10:10 - 10:30 AM		12:10 - 1:30 PM		1:30 - 5:30 PM	
SESSION 4 8:30 AM - 10:10 AM		SESSION 5 10:35 AM - 12:15 PM		SESSION 6 2:00 PM - 3:40 PM		TRACK		SESSION 7 8:30 AM - 10:10 AM		SESSION 8 10:30 AM - 12:10 PM					
COFFEE / EXHIBITS	Energy Flow Fundamentals <i>Rick Karg</i>	Prioritizing Energy Saving Recommendations <i>Michael Blasnik</i>	BREAK	Baseload Basics <i>Rana Belshe Tamasin Sterner</i>	LUNCH / EXHIBITS	Fundamentals (FUND)	EXHIBIT HALL	Moisture Physics <i>Joe Lstiburek</i>	COFFEE	Home Energy Mythbusting <i>Marcus Bianchi, Jim Gunshinan, Tom White, +</i>	BREAK	Year Round Comfort (COMF)	LUNCH ON OWN	Second Floor Comfort Issues & Solutions <i>Bob Zima</i>	SHORT COURSES
	Thermal Radiation: Radiant Barriers, Radiant Heat, Comfort, & Myths <i>Marcus Bianchi</i>	Envelope Solutions for Comfort <i>John Tooley</i>		Mechanical Solutions for Humidity Problems <i>+</i>		Duct Design & Register Selection <i>Joe Kuonen Brad Oberg</i>		Insulating Cathedralized Attics & Closed Cavity Cathedral Ceilings <i>Joe Lstiburek</i>							
	Attic Prep & Thermal Bypass Sealing <i>David Keefe</i>	Insulating Brick Buildings <i>Chris Benedict</i>		Insulation - Sorting Out the Options <i>Brad Turk Justin Wilson</i>		Thermal Defects: Case Studies from a Hot Dry Climate <i>Charlie Gohman</i>		The Latest on the Delta-Q Test for Duct Leakage <i>Paul Francisco Collin Olson Iain Walker</i>							
	Streamlining Diagnostics <i>Dave Abrey</i>	Getting Started Successfully with IR <i>John Snell</i>		Combustion Appliance Zone (CAZ) Testing <i>Anthony Cox Rich Moore</i>		Tuning Combustion Equipment for Peak Performance <i>Rick Karg</i>		Innovative Distribution System Design Strategies (Advanced) <i>Duncan Pahl Justin Wilson</i>							
	Downsizing Mechanical Systems After Retrofits <i>Tom Downey Skip Hayden</i>	Whole House Applications Ductless Minisplit <i>Skip Hayden Bruce Manclark</i>		Air Handler Flow: What is Good & How to Tell <i>Paul Francisco Bruce Manclark</i>		Fixing Performance Problems in Air Conditioning Systems <i>Tom Downey +</i>		Breaking the Cost Barrier - Re-Evaluating Cost Effectiveness <i>Chris Benedict, Henry Gifford</i>							
	Paths to Deep Energy Reductions in Existing Homes <i>Linda Wigington</i>	High R-Wall Systems for Deep Energy Reductions <i>Katrin Klingenberg Betsy Pettit</i>		Low Load Challenge: Rethinking Mechanical Systems <i>Skip Hayden Katrin Klingenberg</i>		Case Studies: Deep Energy Reductions <i>Lorraine Gauthier +</i>		Don't Get Weighed Down by Lead <i>Gregory Runevitch</i>							
	Unvented Gas Heaters, Fireplaces, & IAQ <i>Paul Francisco</i>	Garage Connection <i>Anthony Cox Don Fugler</i>		Healthy Home Intervention Effectiveness <i>Tom Neltner</i>		Advanced Ventilation: Optimizing Excellent Indoor Air Quality <i>Melissa Malkin-Weber, Francis (Bud) Offermann, +</i>		HUD Code Housing: From Zero Image to Zero Energy <i>Subrato Chandra, Anthony Cox, David Hales</i>							
	Care & Feeding of Existing Low Income Rural Housing <i>Mac Pearce</i>	Mobile Homes: The Forgotten Housing Stock <i>Bob Pfeiffer</i>		Leveraging Employers to Facilitate Efficient Affordable Housing <i>Joe Kuonen +</i>		Greening Affordable Housing <i>Betsy Pettit</i>		Defining Green Jobs <i>Kevin Doyle</i>							
	Climate Change: Tools for Community Action <i>Rana Belshe Mike O'Brien</i>	Valuing Non-Energy Benefits (NEBs) in Deep Energy Retrofits <i>Shawna Henderson Gordon Howell</i>		Occupant Feedback Mechanisms: Case Studies <i>Alex Laskey Kate Scott</i>		Case Study: Building a "Green Collar" or Energy Efficiency Workforce in Wisconsin <i>Suzanne Harmelink Bob Pfeiffer</i>		Measuring Air Leakage in High-Rise Residential Buildings <i>Colin Genge</i>							
	Broadening Your Horizons: Getting Into Bigger Buildings <i>Steve Tratt</i>	Tall Stuff, Tall Matters: Elevators, Pumps, Ventilation, & More <i>Henry Gifford</i>		Multifamily Ventilation Strategies <i>Jim Fitzgerald Keirryn Ross</i>		Fire, Smoke, Foam, & the Codes <i>Steve Tratt</i>		Dealing with Job Stoppers <i>Dave Abrey</i>							
Selling Whole House Services <i>Alicia Bradshaw Keith Williams</i>	Making Sure of Job Quality <i>Dave Abrey Larry Zarker</i>	Changing Consumer Perception & Demand <i>Suzanne Shelton</i>	Systems & Methods for Increasing Profitability <i>Brett Knox Ori Skloot</i>	Inspection Standards & Protocols for Building Thermographers <i>John Snell</i>											
ENERGY STAR® Homes as Code <i>Dave Beaulieu Sam Rashkin</i>	Quality Management for Delivering Quality HVAC Installations <i>Ted Leapkey John Umphress</i>	2009 IECC: Everything You Wanted to Know, But Were Afraid to Ask <i>Brian Dean David Weitz</i>	BPI & RESNET's Joint Home Performance Analyst Certification & Training <i>Ethan MacCormick +</i>												
			Codes & Standards (C&S) <i>Doug Anderson</i>												

+ Presenter to be confirmed ( ) Session Leader Sessions as of 2/16/09. Subject to change.

## Apply for an ACI Conference Scholarship

**Deadline: Monday, March 30**

The ACI Memorial Scholarship Fund is a tribute to the leaders in the building science field who have championed the "whole house" approach. To apply, write an essay stating how you will advance home performance through what you've learned at the conference and / or in your work. The applicant who shows the most promise as an advocate for house as a system principles will receive up to \$1,500 to cover the cost of registration, travel, and lodging.

Letters of application are due to ACI by Monday, March 30, 2009, and may be emailed to [hpperrine@affordablecomfort.org](mailto:hpperrine@affordablecomfort.org). The winner will be announced on Friday, April 17.

## Ways to Save

### Early Bird Registration

Full core conference fee is \$725. Register for the core conference before **March 30, 2009** and pay \$625, a savings of \$100.

### Working Scholars

"Working Scholarships" are available.

Scholarship recipients work during the conference week in exchange for a reduced registration fee. For more information, call 800-344-4866, ext 14 or 29.

## Ways to Register

**Online:** Visit [www.affordablecomfort.org](http://www.affordablecomfort.org) and use our online registration form.

**Fax:** Fill out your registration form and fax it to 724-627-5226.

**Mail:** Post your registration form to ACI, 32 Church St., Suite 204, Waynesburg, PA 15370

## Cancellation Policy

There is a non-refundable cancellation fee of \$195 for each registration cancelled. Requests for refunds must be made in writing and received by ACI by March 30, 2009. No refunds will be granted after that date.

# ACI Home Performance Conference April 27 – May 1, 2009

**REGISTER TODAY! Fax this completed form or register online**

## 2009 ACI Home Performance Conference Registration Form

Last name \_\_\_\_\_ First name \_\_\_\_\_  
 Company \_\_\_\_\_ Title \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_  
 Telephone \_\_\_\_\_ Fax \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Emergency contact name \_\_\_\_\_ Telephone \_\_\_\_\_

**TYPE OF REGISTRATION:**

(Registration before **March 30, 2009** qualifies for discount price.)

**Pictures will be taken for marketing purposes.**

	Discount Price	Full Price
<b>All Inclusive Conference Price</b>		
Monday 8 AM – Thursday 5:30 PM New this year! Short courses are included in conference price. In-field courses fill up quickly. Pre-register early to ensure your place. Please indicate selections here:  <input type="checkbox"/> MFD _____ <input type="checkbox"/> MAM _____ <input type="checkbox"/> MPM _____ <input type="checkbox"/> ThPM _____	\$ 625	\$ 725
<b>One Day Registration</b>		
Day attending: <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Weds <input type="checkbox"/> Thurs	\$ 295	\$ 295
<b>Exhibitor Registration Fee</b> (includes conference for two representatives)		
(Please also submit exhibitor application, separate form) <b>Additional exhibit representative</b> , each (max. two)		\$1800 \$ 350
<b>FIELD TRIP</b>		
Jazz, Blues, & BBQ Tour, bus tickets per evening <input type="checkbox"/> Tuesday, April 28 <input type="checkbox"/> Wednesday, April 29 Or <input type="checkbox"/> Both Evenings		\$ 15 \$ 30
<b>SPECIAL SESSIONS</b>		
Home Performance w/ENERGY STAR® Symposium <input type="checkbox"/> MFD HP Healthy Homes Certification <input type="checkbox"/> MFD HH Workforce Development Day <input type="checkbox"/> ThPM WD		\$ 75 \$ 75 \$ 25
<b>YOUR TOTAL FEES: (All payments in US dollars)</b>	\$ _____	\$ _____

**PAYMENT**  
 Payment or Purchase Order due with registration

**Check payable to: Affordable Comfort, Inc.**                    Purchase Order Number \_\_\_\_\_

Visa             Master Card             American Express             Discover

Card # \_\_\_\_\_ Exp Date \_\_\_\_\_

Name on Card \_\_\_\_\_

Cardholder Signature \_\_\_\_\_

Comments/Special Meals: Please let us know if you require any special meals (i.e. vegetarian, vegan, etc.)  
 \_\_\_\_\_  
 \_\_\_\_\_

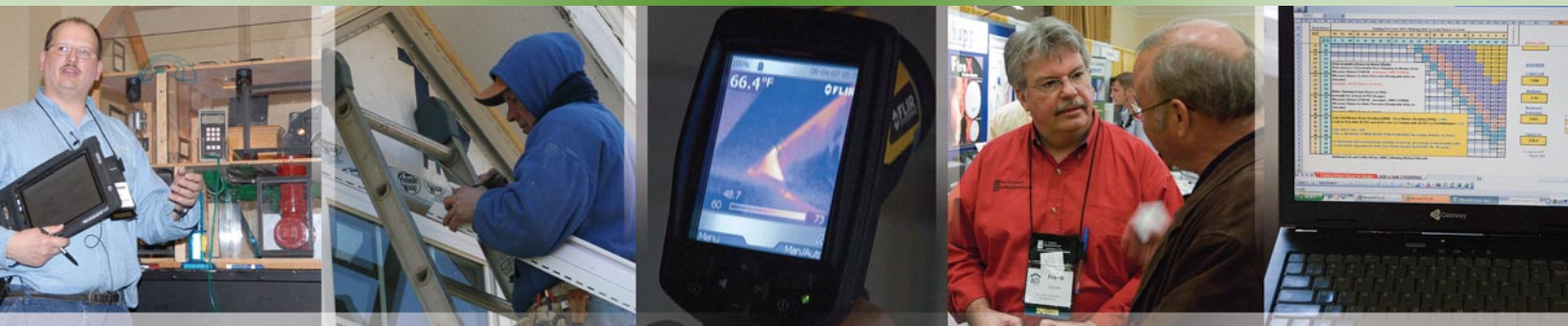
Americans with Disability Act: Please let us know what reasonable accommodations you will need to facilitate your participation (i.e. special access, assistance, etc.)  
 \_\_\_\_\_  
 \_\_\_\_\_

**Registration fees** (prices are in U.S. dollars)  
 For registration assistance, please call 724-627-5200 or 800-344-4866, ext 10.  
 You will receive a confirmation from ACI.

**Pre-Registration is Encouraged.**  
 Register online at: [www.affordablecomfort.org](http://www.affordablecomfort.org)  
 Fax to: 724-627-5226  
 Mail to: ACI (Affordable Comfort, Inc.)  
 32 Church Street, Suite 204  
 Waynesburg PA 15370



Or register at the door.  
**Cancellation policy:** There is a non-refundable cancellation fee of \$195 for each registration cancelled. Requests for refunds must be made in writing and received at ACI by March 30, 2009. No refunds will be granted after that date.  
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For information on session descriptions, presenter biographies, and more, visit [www.affordablecomfort.org](http://www.affordablecomfort.org).

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ACI is a non-profit educational organization providing unbiased, cutting-edge conferences focused on promoting home performance, green building, and "house-as-a-system" skills for all building trades, housing groups, and program professionals. For over twenty years, ACI has transformed how homes are built and remodeled. ACI's vision is that every family has a green home that is energy efficient, durable, comfortable, affordable, healthy, and safe, and every community has access to and values skilled home performance professionals and services.

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