

AIA Birmingham
107 South Richard Arrington Blvd.
Birmingham, AL 35233

AIA Birmingham— Sustainable and Energy Efficient Building Envelope Design and Construction

Sustainable and Energy Efficient Building Envelope Design and Construction

**For Architects, Engineers,
Specifiers, Contractors,
Building Owners and
Managers, and Building Code
Officials**

**Earn 5 AIA Approved HSW
Learning Units for Architects**

**AIA Learning Units May Qualify for PDH's
for Engineers Depending on State Licensing
Board Requirements**



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AIA Birmingham
205/322-4386



AIA Birmingham

Presents

Sustainable and Energy Efficient Building Envelope Design and Construction

A Day of Continuing Education

**Masonry Walls and Concrete Floors in Sustainable Design
Insulated Wall Claddings for Sustainable and Energy
Efficient Design
Greenroofs: Achieving Sustainable Results
Steel Thermal Efficient Panels for Sustainable Design**

*Earn 5 AIA Approved HSW
Learning Units for Architects*

*AIA Learning Units
May Qualify for PDH's for Engineers
Depending on State Licensing Board
Requirements*

Date and Location

**Tuesday, September 9, 2008
8:15 AM to 2:45 PM**

**Alagasco Midtown Business Center
20 South 20th Street
Birmingham, AL 35233**

Sustainable and Energy Efficient Building Envelope Design and Construction

September 9, 2008 – Birmingham

- 8:15 a.m. Registration**
- 8:30 a.m. Opening Remarks**
- 8:45 a.m. Masonry Walls and Concrete Floors in Sustainable Design by PROSOCO, Inc.**
 - Energy efficient masonry design
 - Embodied energy
 - Reduce waste
 - Increase service life
 - Building image
 - Improve indoor air quality
 - Reduce maintenance
 - Eliminate mold and mildew
 - Improving the appearance and performance of concrete floors
 - Reduce Waste
 - Increase service life
 - Improve light reflectance
 - Improve indoor air quality
 - Reduce maintenance
 - Simplify sterilization
 - Color and decoration
- 10:00 a.m. Break**
 - Meet speakers
- 10:15 a.m. Insulated Wall Claddings for Sustainable and Energy Efficient Design by Dryvit Systems, Inc.**
 - The New Overriding Design Goal
 - Reduce Environmental Impact
 - Increase Economic Benefit
 - Defining Sustainable Design
 - Glossary of Terms
 - The True Measurement
 - Insulated Claddings (EIFS) - How Do They Fit?
 - EIFS Systems and Finish Options
 - Cost Factors of Construction and Use
 - Construction Cost
 - Building Aesthetics
 - Value Engineering
 - Maintaining Quality / Performance
 - Operating Cost
 - HVAC and Maintenance
 - Lifetime of the Building
 - Energy Conservation
 - Environmental Cost
 - Total Carbon Footprint
 - Product Life Cycle Analysis
 - Re-Use / Renovation / Recycle
 - The Total Environmental Impact

11:30 p.m.

Lunch

12:15 p.m.

Greenroofs: Achieving Sustainable Results by Tremco Group

- Greenroof Introduction
 - Design Types - Intensive / Extensive / Semi-Intensive
 - Environmental Concerns
 - Stormwater
 - Energy
 - Health & Productivity Impacts
 - Urban Heat Island & Pollution
 - Waste stream Impacts
 - Economic Benefits
 - Energy Reduction
 - Sustainable Construction
 - Increased Roof Life Cycle
 - Public Relations & Marketing
 - LEED
 - Major components and functions
 - Roofing through Vegetation
 - Design Considerations
 - Case study lessons

1:30 p.m.

Steel Thermal Efficient Panels for Sustainable Design by Accelerated Building Technologies, LLC

- Construction trends in wall systems
 - Panelized systems
- Materials discussion
 - Steel
 - EPS
- Introduction to steel thermal efficient panels
 - Fusion process
- Understanding the energy efficiency of a wall system
 - R-value & framing effect
 - Air infiltration
 - Moisture permeability
- Efficiency in the construction cycle though STEP
 - Labor
 - Time
 - Material waste
- Improving design flexibility and capability
 - Noise, HVAC & exterior finish considerations
 - Structural and non-structural capability
- LEED qualifications and standards

2:45 p.m.

Close

Registration

(Continental Breakfast and Lunch Included)
September 9, 2008

AIA Members:	\$70.00	\$ _____
Interns:	\$50.00	\$ _____
Non-Members:	\$100.00	\$ _____

Name(s): _____

Company: _____

Address: _____

Phone: _____ **Fax:** _____

E-mail: _____
(Please Print)

Profession: _____

Please Mail Check Payable To:

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E-mail: aiabirm@aiabham.org

Cancellation Policy: 100% refund for cancellation made 14 days or more before event. 50% refund for cancellation made less than 14 days before event. No refund for cancellation made 7 days or less before the event.