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Changing the way the world builds. People. Ideas. Integrity.

September 17, 2008 Issue # 6

Dear Jeffrey,

In this month's feature article, Building Science Corporation principal Dr. John Straube asks "Can Highly Glazed Building Façades Be Green?" (see below).

We have also posted an insightful presentation on green building rating systems by Henry Gifford, of Gifford Fuel Saving Inc. (click [here](#) to view).

To view a list of past newsletters, click [here](#) for our archives.

Happy reading!



Jeff Melvin
Editor, buildingscience.com e-news

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Featured Article by John Straube, Ph.D., P.Eng.

Can Highly Glazed Building Façades Be Green?

Building Science Insight No. 6

When I see a fully glazed, floor-to-ceiling commercial or institutional building, I see an energy-consuming nightmare of a building that requires lots of heating and cooling at the perimeter just to maintain comfort. The result, on a cold winter day, is that offices exposed to the sun require cooling, while those in the shade need heat. Unless the control system is highly tuned, too many of the occupants will also be uncomfortable. Although it is well accepted that "green" buildings are above all low energy consumption buildings, there is a mistaken belief, almost a myth, that buildings with large expanses of glass are somehow green...

To read the entire feature article and find a downloadable pdf version, click [here](#) to visit our web page.

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Andrew C. Ask

H₂NØ: MECHANICAL SYSTEMS AND MOISTURE CONTROL

This new guide is for evaluating, designing, and retrofitting HVAC systems for better moisture removal and control.

Mechanical Moisture Management will be welcomed by building contractors, architects, mechanical engineers, building science researchers, building product manufacturers and homeowners.



Click [here](#) to read more about Andy Ask's new book at [buildingsciencepress.com](#)

BUILDING SCIENCE FUNDAMENTALS 2008

A two-day introductory seminar on building science topics

Come Learn From Dr. Joe and Dr. John in person at [Building Science Fundamentals 2008!](#)

Building Science Fundamentals 2008 is an advanced two-day seminar taught by Dr. Joe Lstiburek and Dr. John Straube about optimizing building performance. That is, designing buildings that perform as they should: efficiently and without assemblies that spall, decay, corrode, peel, blister, mold, condense water, leak air and water and otherwise annoy occupants, clients and authorities with jurisdiction. You will learn how to correct these problems in existing buildings and how to avoid them in new buildings.

You will learn fundamental building science principles (such as the control of heat, air and moisture and IAQ) as well as applications in disaster management, building investigations and sustainability.

Here is a list of remaining seminars for 2008:

[Vancouver - October 1, 2](#)

[Chicago - October 15, 16](#)

[Toronto - November 12, 13](#)

[Minneapolis - Dec. 3, 4](#)

BUILDING SCIENCE EXPERT'S SESSION

December 17-18, 2008
Westford, MA

In response to overwhelming demand, Dr. John and Dr. Joe have constructed an advanced class for all Building Science Fundamentals guests. Did the Fundamentals seminar whet your appetite to hear more? Judging by the comments we have received, that is exactly how many of you feel!



Click on the link below for more information:

[Westford Expert's Session Dec. 17, 18](#)

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Building Science Corporation is a Boston based architecture and building science consulting firm with clients throughout North America.

Building Science Corporation specializes in building technology consulting. Our focus is preventing and resolving problems related to building design, construction and operation.

We are internationally recognized for our expertise in moisture dynamics, indoor air quality, and forensic (building failure) investigations. We are also on the leading edge of the design of sustainable communities and buildings.

We believe in promoting energy efficiency and environmental responsibility within the constraints of marketable and affordable building technology.

Read More About Us: www.buildingscience.com



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