

# The Masonry Society

## Sustainability E-News

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### SPONSORED EDITION

#### From the Editor

One of my sons is studying architecture and just completed his first year. Last summer he worked with a local architecture firm and got some great experience. As he contemplated where to look for a job this summer, my husband and I both encouraged him to get some field experience by working with a general contractor. In my mind, there's nothing like seeing lines on paper come to life as a building gets built to give you a new perspective on design. Somehow those pencil thin lines turn into elements with surprising large dimensions! The [Wizard Show](#), featured below, is somewhat like that. It helps designers to realize the effects of changes to a building in a live energy model - a virtual reality of sorts - with lasting impressions. If you have innovative ideas to share, consider submitting a paper for one of the symposiums listed under EDUCATIONAL NEWS at the end of this newsletter.

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#### GREEN BUILDING NEWS

The article below highlights the work of one innovative MEP firm, TLC Engineering for Architecture. I included it because of their unique educational work with architects via a building energy modeling "game".  
~Tina

### Architects Learn From Their Mistakes While Having Fun

#### ENR SOUTHEAST

TLC Engineering for Architecture's deeply held commitment to sustainability and desire to educate the industry led to a break-through game - the Wizard Show. The program is an audience-participation game of sorts in which attendees are grouped into teams as they compete over a live building model, with the end goal being to engineer the most energy-efficient building possible. [Read more.](#)

### U . S . Senate Appropriations Committee Includes Permeable Pavements

#### UNIVERSITY CHRONICLE

The U.S. Senate Appropriations Committee has passed a bill out of full

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Committee that includes language to extend and continue work on permeable pavements for Transportation applications. The bill includes permeable pavements for the first time in federal Transportation policy. The new language urges FHWA to continue and accelerate work on permeable pavements. [Read more.](#)

## **CODES and STANDARDS NEWS**

### **Obama Administration Seeks Better Building Codes**

#### **CONSTRUCTIONDIVE.COM**

The [Obama administration](#) is at work with agencies and organizations that create resilient building codes that would better address effects of climate change. The National Institute of Building Sciences says that \$1 spent on addressing the problem will lead to \$4 in future benefits. "We're building for 50 to 100 years and if we don't take into account what is to come, our investments are at risk of being washed away," says Alice Hill of the White House National Security Council according to [this article](#).

ENR also has an [interesting article](#) on resilient design. (requires subscription)

### **New Standard for Hygrothermal Models to Manage Building Heat and Moisture**

#### **ASTM.ORG**

ASTM International has developed a standard that will allow engineers to effectively use hygrothermal models, a type of mathematical model that helps manage heat and moisture flow in buildings. The [new standard](#) (soon to be published as E3054, Guide for Documentation of Hygrothermal Models for Moisture Control Design in Building Envelopes) is the first of several that will provide guidance for hygrothermal modeling for the construction design community. Specifically, this standard helps predict and evaluate design considerations of short-term and long-term thermal and moisture performance of building envelopes.

### **New Standard on Sustainable Manufacturing Terminology**

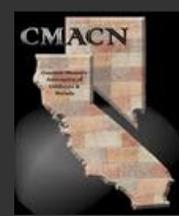
#### **ASTM.ORG**

ASTM International has developed a new terminology standard on sustainable manufacturing, E2987. Read more about the standard [here](#).

### **ASTM Smart Manufacturing Advisory Committee Looking for Participants**

#### **ASTM.ORG**

Smart Manufacturing Advisory Committee (SMAC) provides the opportunity for stakeholders across diverse smart manufacturing technologies to discuss these innovations, related standards development and how ASTM can work with new partners in these areas. The first related standard from E60 came out earlier this year: a soup-to-nuts approach for evaluating environmental aspects in manufacturing such as carbon dioxide emissions or energy



**Concrete Masonry  
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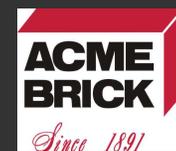


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#### **Silver Level**



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#### **Bronze Level**

consumption and making process improvements as a result ([E2986](#)). SMAC meets virtually four times a year. Interested parties are welcome; please contact [Pat Picariello](#), ASTM (tel +1.610.832.9720).



## **GREEN BUSINESS NEWS**

### **Connecting Business with the Sustainable Development Goals**

#### **WBCSD.ORG**

In September 2015, world leaders adopted the Sustainable Development Goals (SDGs) and committed to 17 goals to eradicate poverty, promote peace and equality, fuel inclusive growth, and protect the environment. The World Business Council for Sustainable Development (WBCSD) advocates that the SDGs present a historic opportunity for businesses to engage more deeply as a strong and positive influence on society. The [SDG Business Hub](#) is a one-stop-shop which consolidates and provides easy access to all relevant information for business related to these global goals. It helps companies navigate the busy SDG agenda in a meaningful and impactful way.

## **EDUCATIONAL NEWS**

### **Call for Abstracts for 13<sup>th</sup> Canadian Masonry Symposium**

The 13<sup>th</sup> Canadian Masonry Symposium (CMS) has announced a call for abstracts. The CMS will be held June 4-7, 2017 in Halifax, Nova Scotia. For more information visit the symposium website at <http://www.13thcms.com/>. The abstract deadline is August 31, 2016.

### **Call for Papers for Masonry 2018 Symposium: Innovations in Collaborative Research, Development and Applications**

#### **ASTM.ORG**

The objective of Masonry 2018 Symposium is to gather and disseminate the latest information on all aspects of the innovations in masonry materials, design, specification, construction, maintenance, and rehabilitation. It will emphasize the application of ASTM standards to those areas, and their coordination with building codes, project specifications, and international standards. The symposium will be held June 26, 2018 in San Diego, CA. For more information, please visit <http://www.astm.org/C07CFP062018>.

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