



# Greetings from the President

GRÜSSE • CUMPRIMENTOS • SALUDOS • 贺电 • BIENVENUE

## Upcoming Events

### China Refrigeration Expo

April 11 - 13, 2012

Beijing, China

### Fan 2012

April 18-20, 2012

Senlis, France

### AMCA Midyear Meeting

May 5-7, 2012

Eaglewood Resort

Itasca, IL

### Building Safety Month

[www.icc-foundation.org/bsm](http://www.icc-foundation.org/bsm)

May, 2012

### European Region Meeting

April 17, 2012

Senlis, France

### Asia Region Meeting

July 19-20, 2012

Shanghai, China

### AMCA Annual Meeting

October 19-23, 2012

Dana Point, CA



The first quarter of 2012 has been somewhat trailblazing for AMCA members and staff. The year started with a very successful ASHRAE/AHR Expo where AMCA sported a new booth “Build Tight – Size Right”. During the ASHRAE meetings, AMCA held an educational session on “Greening Air Systems.” AMCA also conducted its first Energy Strategy Workshop. For two days, 39 attendees were challenged to consider developing their own company strategy in response to the accelerating demand of higher efficiency air systems.

More recently, AMCA held its annual spring meetings in Daytona Beach, Florida. Over 60 attendees participated in AMCA’s popular Human Resources – Manufacturers Executive (HR ME), Sales & Marketing, and AMCA UL meetings. Participant’s comments included “the best meeting in years” and “great speakers and content”. Another highlight was a private tour of the Daytona International Speedway.



A few weeks ago, AMCA hosted a forum in Chicago for 39 guests from 15 Chinese fan manufacturers. The visit was arranged by the China Fan Association, which has 150 Chinese members, all of whom manufacture industrial process fans. Each of the 15 companies presented their company overview and expressed their interest in seeking to develop relationships with American companies. There were six AMCA member companies in attendance. They gained a deeper understanding of the Chinese fan market and an opportunity to facilitate relationships that could generate greater returns on technology investments. Madam Goh, our Executive Director of Asia AMCA, was in attendance to translate presentations into English and to facilitate discussions during and after the meeting.



## AMCA *inmotion*



As the official publication of the Air Movement and Control Association International (AMCA), AMCA *inmotion* is dedicated entirely to mechanical ventilation systems – air movement and control.

### 2012 Editorial Line Up

- Fan Efficiency Grades and ASHRAE 90.1
- Air System Applications for Industrial and Utility Markets
- Smoke Control Dampers: High Performance at Minimal Lifecycle Costs
- Basics of Fan Motor Efficiency Grades (FMEG)
- CodeWatch: Update on Energy and Green Construction Codes and Standards

Please contact Marian Vambreck [mvambreck@amca.org](mailto:mvambreck@amca.org) if you are interested in advertising in this year's AMCA *inmotion*, a once-a-year opportunity. [The inmotion media kit can be viewed here.](#)

The AMCA booth at the China Refrigeration Expo, in Beijing, China from April 11-13 is a collaborative effort of AMCA, AHRI and CRAA of China. The booth will be shared by all three well known, established industry organizations. This is a giant kickoff for the debut of AMCA's new joint venture "Asia AMCA". CRAA has been a big supporter of AMCA and is promoting membership in the Asia Region.



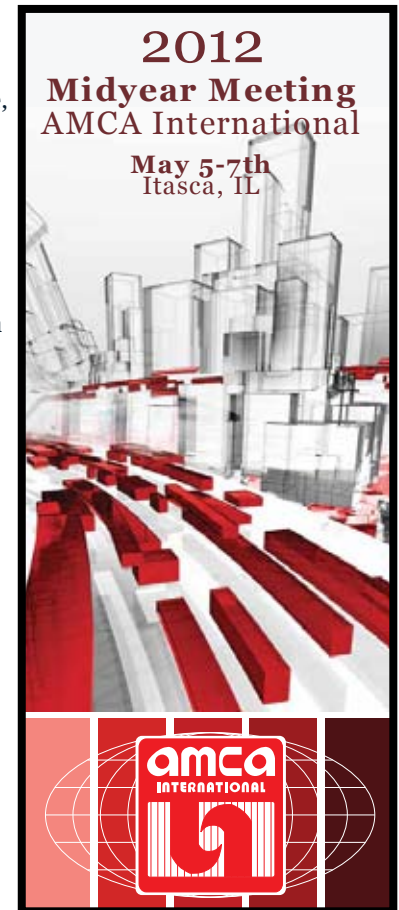
AMCA is the presenting sponsor for Building Safety Month. For the entire month of May, AMCA International will be the prominent name in the campaign under this year's theme "An International Celebration of Safe & Sensible Structures". National launch activities will focus on the global cause of building safety and sustainability while highlighting specific themes. The month is separated into four distinct weeks, focusing on Green & Energy, Disaster Safety & Mitigation, Fire Safety & Awareness, and Backyard Safety. AMCA will be the presenting sponsor before 50,000 code council members from around the world. There will be community events and an educational outreach to increase public awareness about the importance of building safety and sustainability. Some of the other exciting venues for AMCA will be Television News Outreach, press releases, advertising video, web, social media, a booth at the ICC Annual Conference, and culminating with a "Day on the Hill". This is a speaking engagement on May 16th in Washington DC with legislators, code officials and invited guests.

Finally, if you haven't already, please be sure to register for the AMCA Midyear Meeting, May 6-7, 2012. This Midyear meeting is a full schedule with committee meetings, Air Movement and Air Control Division meetings and the General Session. During lunch, attendees will attend a presentation by John Cymbalsky, Supervisor for Appliance Standards at the U.S. Department of Energy. To open the General Session, the Institute for Trend Research (ITR) will present a macro and micro view of industry trends. This year's meeting will follow the AMCA Strategic Planning session, conducted on Saturday and Sunday, May 5th and 6th. AMCA's Board of Directors, Past Presidents and senior staff come together every three years to update and redefine AMCA's short term goals and long range focus to benefit our members. This is one meeting you will not want to miss!

Respectfully,

*Victor C. Colwell*

Vic Colwell  
AMCA International President



## AMCA Technical Committee Call for Volunteers

AMCA is seeking volunteers to serve on the Technical Committees listed below. If you are interested, or know of someone that may be interested, please contact John Pakan ([jpakan@amca.org](mailto:jpakan@amca.org)) by April 15, 2012.

**AMCA Standard 300, Reverberant Room Method for Sound Testing of Fans**, has been recommended for revision by the Air Movement Division. This standard is used to determine airborne sound emission for fans of all types and sizes using a reverberant room.

**AMCA Standard 320, Laboratory Method of Sound Testing of Fans Using Sound Intensity**, has been recommended for revision by the Air Movement Division. This standard establishes a method of determining the octave band sound power levels of a fan using sound intensity measurements on a measurement surface that encloses the sound source.

**AMCA Standard 540, Test Method for Louvers Impacted by Wind Borne Debris**, has been recommended for revision by the Air Control Division. This standard provides a test method for impact testing of louvers used on the outside of buildings as required by the International Code Council (ICC) International Residential Code.

**AMCA Standard 550, Test Method for High Velocity Wind-Driven-Rain Resistant Louvers**, has been recommended for revision by the Air Control Division. This standard provides a test method for demonstrating the suitability of louvers installed in essential and non-essential facilities where water infiltration must be kept to manageable amounts.

## ASHRAE Booth

The FEG story was brought to life with a selection table and a quiz we gave to 150 booth guests over the 3 days, who became eligible for an iPad and a second drawing for a Kindle Fire. The winner of the iPad was Daniel Pitts, a mechanical engineer for the City of Milwaukee, and the winner of the Kindle Fire was Steve Wiggins, a consulting engineer & partner of Newcomb & Boyd of Atlanta, GA.



Build Tight - Size Right  
AMCA's booth at the January ASHRAE Expo



Daniel Pitts,  
iPad winner



Steve Wiggins,  
Kindle Fire winner

## Fan 2012



AMCA International is participating in Fan 2012 as a sponsor, and many AMCA members have contributed to the organization, content and presentations. This three-day conference will include keynote lectures and technical presentations. The technical presentations are comprised of three tracks, focusing on fan technology, fan noise, plus theoretical methods and computational fluid dynamics. All types of fans, such as those used in industrial processes, HVAC, electronic equipment, household appliances, automotive and traction, fall within the scope of the conference.

For a more detailed breakdown of the topics each track will cover, please visit the [event website](#).

## Coming in 2012: Application Guide for AMCA 205

The AMCA Board of Directors approved an internal proposal to develop an application guide for AMCA 205, which is tentatively titled as AMCA Publication 206, “Application Guide for Fan Efficiency Grades.” The publication, which is scheduled for completion in Fall 2012, will provide background information and application guidance on FEGs and fan-selection for improved energy efficiency.

The goals for publishing the guide are to assist various audiences in the understanding of FEGs and FMEGs as found in AMCA 205 and ISO 12759, and to accelerate AMCA 205 adoption into national and state codes/standards. The audience of the application guide includes sales/marketing/engineering staff of AMCA members; consulting engineers; construction contractors; commissioning providers; and code/standards bodies, and code officials.

The committee roster is currently being formed. If you are an AMCA member within the Air Movement Division and would like to participate, please contact Tim Orris at [torris@amca.org](mailto:torris@amca.org).

## AMCA Hosted a “Greening Air Systems” Seminar at 2012 AHR Expo

AMCA held a 2-hour seminar, How to Design High-Performance Air Systems for the Life of the Building, at the 2012 AHR Expo in Chicago on January 24.

The seminar featured four engineering and construction experts who discussed how to reduce first cost and operating costs for air systems in commercial buildings:

- Michael Brendel, PhD, Lau Fan, gave a presentation on how fan efficiency grades, as defined by AMCA Standard 205, Energy Classification for Fans, are linked to the fan brake-horsepower requirements in ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings.
- Steve Wiggins, PE, LEED AP, from Newcomb & Boyd Engineering, then described how commissioning newly installed systems and revisiting the systems after a period of time (or setting up monitoring-based commissioning systems) will reduce wasted energy consumption and costs.
- John Reints, PE, (consulting engineer) and Gene Smithart, PE, Trane, closed the session with an in-depth presentation on high-velocity static-regain duct systems, which reduce first costs and operating costs.

All three presentations have been added to the AMCA “Best Practices” web page under Power Point Presentations ([click here to visit amca.org](#)).

From left to right:  
John Reints, Gen Smithart,  
Steve Wiggins, Michael  
Brendel, Michael Ivanovich



## Revised and Reaffirmed AMCA Publications

**AMCA Standard 230**, *Laboratory Methods of Testing Air Circulating Fans for Rating and Certification* has been revised to include new methods of testing air circulating fans for air performance.

**AMCA Standard 250**, *Laboratory Methods of Testing Jet Tunnel Fans for Performance* has been revised to harmonize balance grades with AMCA Standard 204.

**AMCA Standard 500-D**, *Laboratory Methods of Testing Dampers for Rating* has been revised to include a new thermal efficiency test method for dampers and various corrections to test figures.

**AMCA Standard 500-L**, *Laboratory Methods of Testing Louvers for Rating* has been revised to make modifications and corrections to the test figures.

**AMCA Standard 610**, *Laboratory Methods of Testing Airflow Measurement Stations* has been reaffirmed with no changes.

## Energy Strategy Workshop January 24-25, 2012

Thirty-nine members who attended ASHRAE extended their stay to attend AMCA's Energy Strategy Workshop. The purpose was to challenge members to consider how their own company strategy should respond to the accelerating trend demanding higher air system efficiencies. This trend affords AMCA greater ability to fulfill our mission (to advance the growth, health and integrity of our markets) than has been true for decades. But our advocacy **MUST** be a facet of our members' strategy. AMCA does not and should not have its own strategy – we should be driven by the carefully considered energy – trend-driven strategies of our members. This session used a different format – we presented a series of case studies trying to mimic Harvard Business School teaching method, asking members to place themselves in decision-making rolls that substitute for actual experience. The workshop played very favorable reviews, so we want to expand member exposure to this learning and boost the positive impact of AMCA Advocacy with codes, standards and regulations.

## AMCA Revises Its Fan-Efficiency Standard

The newest version of AMCA 205, Energy Efficiency Classification for Fans (AMCA 205-10, Rev. 2012), is now available on the AMCA website for no cost. Changes made to the standard do not impact calculation of Fan Efficiency Grades as published in earlier versions of AMCA 205-10.

For a list of the changes, [click here](#). To download a free PDF copy of the standard, [click here](#).

## AMCA Developing Certification for Fan Motor Efficiency Grades (FMEG)

AMCA is extending its Certified Ratings Program (CRP) to cover Fan Motor Efficiency Grades (FMEGs) in accordance with ISO Standard 12759 - Fans: Efficiency Classification for Fans. FMEGs are defined in ISO 12759 as the "efficiency grade for a driven fan," which includes motors and drives. Fan efficiency grades (FEGs), which are defined in AMCA 205, apply only to the aerodynamic properties of the fan.

FMEGs are the basis of the European legislation on fan efficiency (EC 327-2011, as published in the Official Journal of the European Union), which takes effect in January 2013.

The FMEG certification program is expected to launch in 2012. For more information, contact Joe Brooks at [jbrooks@amca.org](mailto:jbrooks@amca.org).