



# AMCA International 2021 Joint Division Meeting

7 December 2021

# Scott Arnold

Moderator,  
Joint Division  
Meeting



# Introductions & Guidelines

Scott Arnold

- Audience will be muted during the program.
- Questions can be submitted anytime via the Airmeeet platform and will be addressed at the end of the presentation. **To submit a question:**

1. *On the attendee control panel on the side of your screen, select the “Q&A” menu item.*



2. *Type your question in the text box at the bottom of the screen. Please begin with the name of the person to whom your question is directed.*

3. *Click the arrow on the right side of the text box to send.*



- Reminder: This program is being recorded.

## Joint Division Meeting Agenda

Scott Arnold

- Industry Content – Scott Arnold
- Education – Lisa Cherney
- Certified Ratings Program – Charlie Meyers
- AMCA Laboratories & Lab Accreditation – Tim Reilly

# 1. Industry Content

**Scott Arnold**  
*Content Manager*



## *AMCA inmotion on a Roll*

### 2021 PRNEWS CSR & Nonprofit Awards

- Honorable Mention, Annual Publication or Brochure



- Other Publication, Association or Non-Profit

2021 FOLIO:  
**EDDIE  
AND  
OZZIE**  
FINALIST AWARDS

- Hon. Mention, Single Article, Association/ Nonprofit, Professional/ Membership Association

# AMCA *inmotion* on a Roll

## 2020 PRNEWS Platinum PR Awards

- Honorable Mention, External Publication

## 2020 PRNEWS CSR & Nonprofit Awards

- Winner, Annual Publication or Brochure

## 2020 American Business Awards (“The Stevies”)

- Bronze Winner, Other Publication – Association or Non-Profit

## 2019 PRNEWS Platinum PR Awards

- Honorable Mention, External Publication

## 2019 PRNEWS CSR & Nonprofit Awards

- Winner, Annual Publication or Brochure
- Honorable Mention, External Publication or Report (online or print)



In Good Company



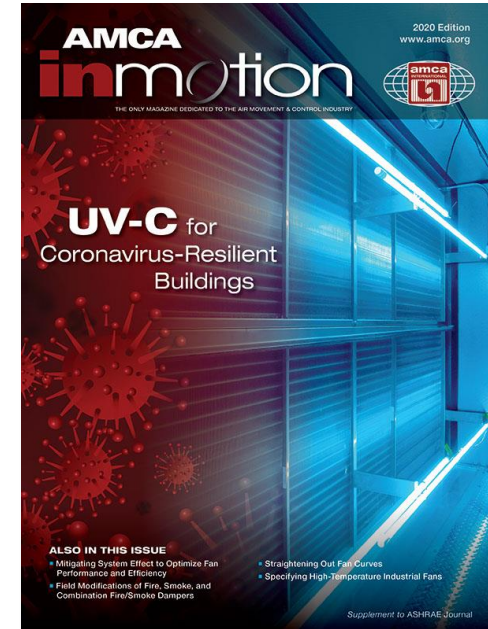
DELTA





Advancing  
“the  
knowledge of  
air systems  
... on behalf  
of AMCA  
members  
worldwide”

- “Thank you for covering such an **important** topic for 2020. ... **What a service you did** for your association membership ... and for the public.”
- “It’s fantastic that you were able to **mobilize and move** as quickly as you did to create a cover story to address COVID-19 concerns with HVAC.”
- “**On-time** topic ... a **resourceful** publication.”



## 2021 Edition

- 47,000 copies mailed with November issue of *ASHRAE Journal* to:
  - United States
  - Canada
  - Middle East
- E-mailed to 115,000+ *ASHRAE Journal* and *High Performing Buildings* subscribers
- Digital version on AMCA and ASHRAE websites



## 2021 Edition

- AMCA COVID-19 Guidance for Large-Diameter Ceiling Fans
- Introducing Ceiling Fan Energy Index (CFEI)
- Control Dampers in Ventilation Strategies for Data Centers
- Design of Parking-Garage Ventilation for Pollutant and Smoke Control
- Your Questions About Severe-Duty Louvers Answered
- Inside the AMCA Laboratory and Certified Ratings Program



## White Papers

### NEW:

- Introducing Ceiling Fan Energy Index (CFEI) and Changes to the U.S. Regulation for Large-Diameter Ceiling Fans

### UPDATED:

- An Introduction to the AMCA Certified Ratings Program
- Guideline Specifications for AMCA-Certified Products
- How to Ensure AMCA-Certified Products Get Installed

## Reach Out

Have a topic to propose? Interested in writing?  
Want to serve on the Industry Content  
Subcommittee? Contact:

**Scott Arnold**

Manager of Industry Content

- [sarnold@amca.org](mailto:sarnold@amca.org)
- +1 847-704-6335



## 2. Education

**Lisa Cherney**  
*Education Manager*



## 2021 Education Benchmarks

- 42 Live Webinars Conducted
- Online Learning Platform Launched in Feb.
- Digital Badge Program Introduced
- Enhanced Trade Show Visibility
- Extended Outreach Programs
- 8 Education & Training (Sub)Committee Meetings
  - E&T Subcommittee elevated to Committee in April

## 2021 Webinars

- 42 Webinars conducted, including:
  - 2 Middle East programs
  - 3 Asia programs
  - 16 Customized/Requested Outreach programs
- Joint Webinars with:
  - RSES Journal
  - ICC & RESNET
  - AHRI- US & ME
  - ASTM- ME
- January 1 – December 1 (GoToWebinar only)
  - Registrants: 7,192
  - Attendees: 4,365 (61% average)



## Online Learning Platform

- Online Learning Platform launched in Feb.
  - 306 Users currently registered
  - 169 Courses taken
  - Approximately 70 people received PDH credits for successful course completion
- Plans to increase # of new users:
  - Request involvement of sister associations; national & local chapters
    - Share mailing/membership lists
    - Cross promotion of platforms, events, programs, etc.
  - Repeat email to AMCA Webinar registrant list (6,456 people)

## Digital Badges

- Digital Badge Program introduced
  - Badges have been issued to BOD, Committee Chairs & Members, Speakers Network Members
  - Badges to be issued: Steering Committee Members, Current/Past President(s), Chairman of Board, Executive Committee Members
  - Education badges being issued; as of Oct. 6:
    - 213 people earned first badge: 5 programs completed
    - 67 people earned second badge: 10 programs completed
    - 18 people earned third badge: 15 programs completed
    - 4 people earned fourth badge: 20+ programs completed

## Online Educational Modules

- 4 launched in 2021
  - Fan System Effect
  - Basics of Acoustics
  - AMCA Certified Ratings Program
  - Fan Energy Index
- Fan Basics- EOY 2021
- 2022 plans
  - Smaller modules that build upon/overlap each other; 15-20 minutes long
  - More focus on practicality & application
  - Introduce non-technical topics
    - Basic management skills, public speaking tips, employee recruitment, mentoring, professional ethics

## Educational Outreach & Trade Shows

### Outreach

- Rutgers – 4 Webinars given; discussing 2022 dates
- NIH – Two-day FEI seminar hosted in June 2021; February 2022 Covid study webinar scheduled
- O'Dell Associates – 8 custom educational sessions hosted from Sept.-Dec.

### Trade Shows

- 2022 AHR Expo – 8 AMCA education sessions
- 2022 HVAC Excellence – 3 education sessions
- FAN 2022 – Over 10 PwP accepted

## Upcoming & New Educational Initiatives

- Women in HVAC
- Upcoming focus on greater engagement
  - AMCA members
  - AMCA staff
  - Industry professionals
  - Diversity & inclusion
- Updated 2022 Sound Seminar
  - Initial session to cover fundamentals
  - Second session to cover advanced material & more hands-on learning
- 2022 Webinars: 1 per month
  - More creative types of presentations, formats, topics
- Increased Outreach
  - Universities, community colleges, trade schools, engineering firms

Want to get  
involved in  
AMCA  
Education?

- Join the Education & Training Committee
- Volunteer to be a webinar presenter
- Assist with online module topic & content development
- Help with outreach efforts

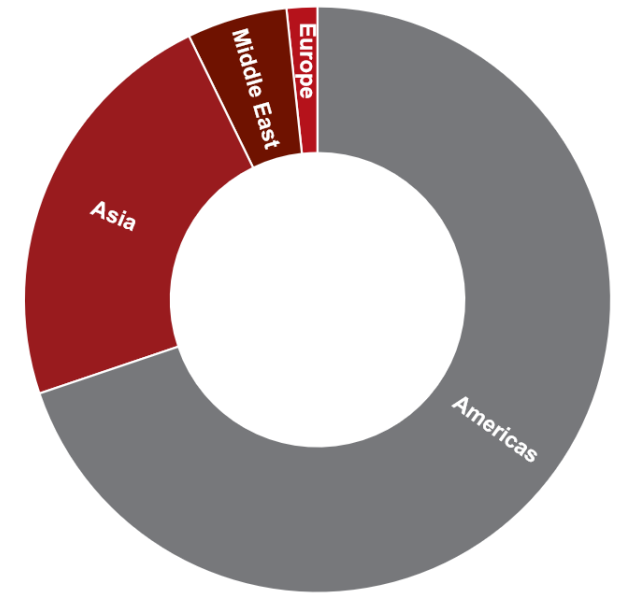
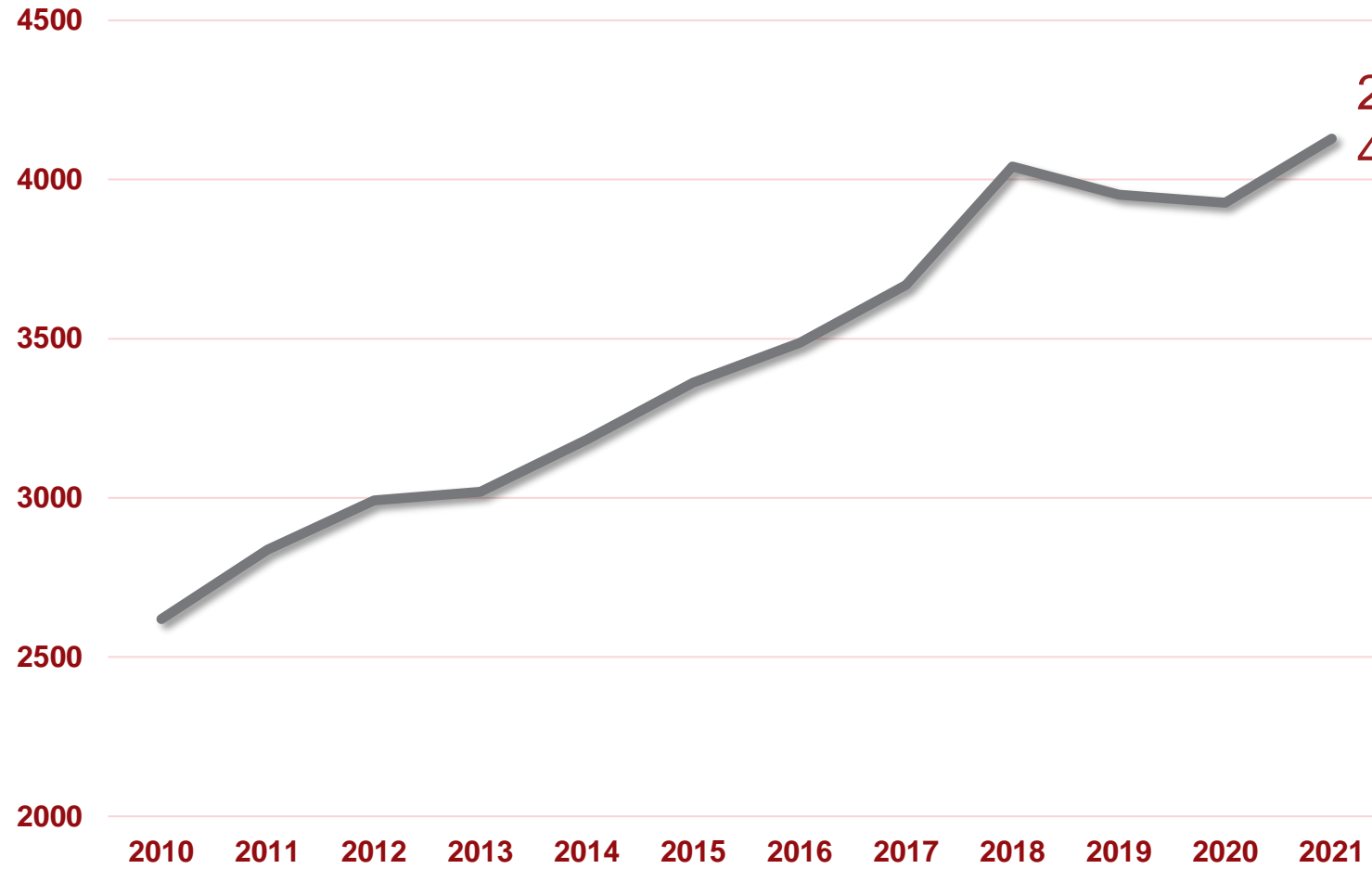
*Contact Lisa Cherney ([lcherney@amca.org](mailto:lcherney@amca.org))*

### 3. Certified Ratings Program

**Charlie Meyers**  
*CRP Manager*



## Numbers of Certified Products





Growth  
in  
2021

	2020	2021	Growth
<b>Certified products</b>	3927	4128	5%
<b>CRP Participants</b>	288	303	5%
<b>Louver Listed products</b>	127	146	7%
<b>ENERGY STAR models</b>	47	77	64%

# Strategic Plan 2018-2021

- Program Changes
  - Upcoming changes to Publication 11, 211, 512
  - Published updates to 511
- Process Improvement
  - AMCA Connect
  - Software tools
    - FEI Calculator
    - AMCA 301 Calculator
    - CFEI Calculator
  - Web Page for CRP-A, B, L, M Programs
  - CRP Modules
- Better Enforcement
  - Proactive effort
  - Software review
  - AMCA 11 changes

## Upcoming Changes:

# AMCA Publication 11

- Currently Under Review
- Detailed Webinar Coming Soon

- Tiers for violations of CRP Program
  - Major Violations (Tier 1)
  - Minor Violations (Tier 2)
- Penalties for accumulated program violations
- Electronic Product Selection Software
  - Review required every 12 months
  - Printout posted on AMCA Directory
    - Applicable if **only** Electronic Product Selection Software is used.
- Clarification of process for products manufactured under license from another manufacturer (CRP-L & CRP-M)
- Requirements for use of QR Codes in catalogs and AMCA Seals

# AMCA-211 Major Changes

*Soon to be approved*

- Introduced new check test tolerances
  - Consistent with other standards
  - Improved credibility with regulators
- Alternate Test Determination Method (ATDM)
  - Ease of certification of fan with accessories
  - Reduce testing burden
- Speed and diameter interpolation
  - Smoother efficiency transitions
- Calibrating Power Drive Systems (PDS) for air and FEI certification
- Certification for Large Diameter Ceiling Fans
  - International market
  - US DoE compliance

# AMCA-511 Major Changes

*Published 2021*

- Louvers
  - Test size tolerances added/adjusted
  - Wind Driven Sand
    - Effectiveness Class removed
  - Wind Driven Rain
    - Drawing is required for testing
    - Test sample size is in catalog
- Dampers
  - Tolerances in test sample size
    - Round Fiberglass
    - Rectangular Damper
  - Economizer Damper

## AMCA-512 Major Changes

*Soon to be approved*

- Established clearer Testing (initial and check) requirements
- Revised qualifying statements to specify pressure and performance ratings
- Definitions added to key components of the program
- Restructured Verification Test
- New Labels

## 4. AMCA Laboratories & Lab Accreditation

**Tim Reilly**  
*Lab Manager*



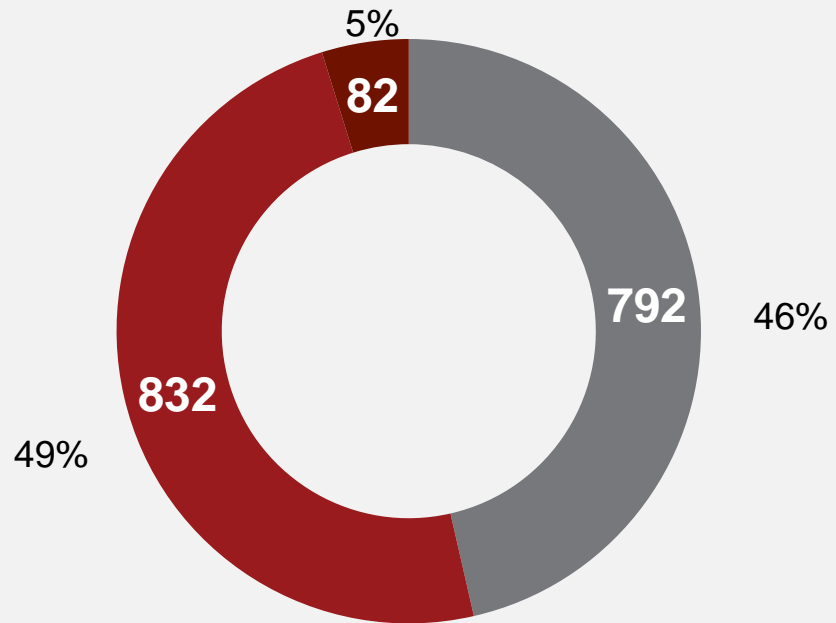
## Laboratory Update

- New laboratory staff
- Backlog
  - Maintaining higher 5S scores
- Virtual Witness Testing
  - 58 virtual witness tests completed
- Large Diameter Ceiling Fans Testing
  - Improved testing efficiency
  - Dedicated venue for testing 20' & 24' units
- AHRI & ENERGY STAR
- Maintaining and increasing to A2LA scope

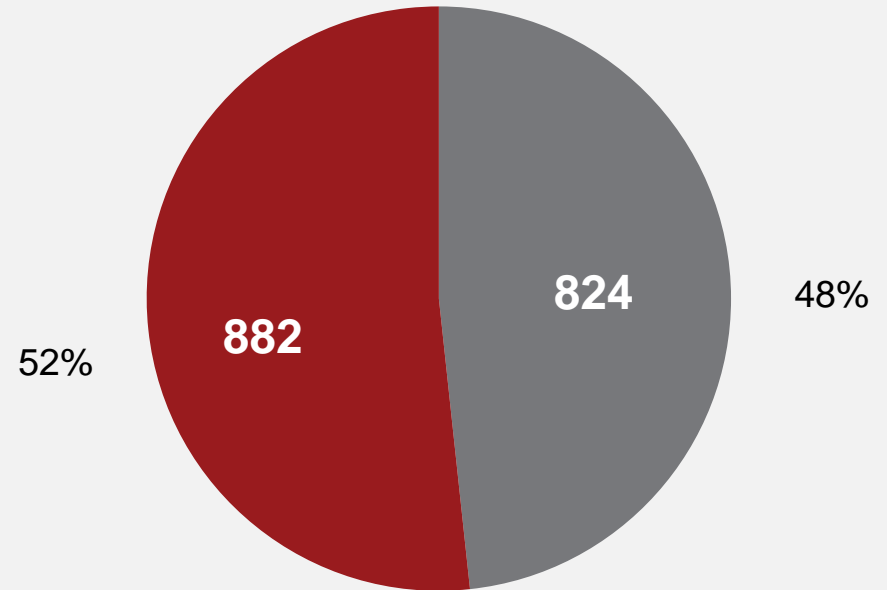


# Tests Performed at AMCA HQ Lab

- Timeframe: Dec 1, 2020 – Dec 1, 2021



■ Contract ■ Check ■ Precert & Lab Check



■ AM Division ■ AC Division

## Strategic Plan

- Increase in motor calibration
  - Up to 75HP has been successfully calibrated
- WDR Upgrades
  - Testing software and hardware updated
  - Proven repeatability with upgrades
- ASHRAE V-Belt Project
  - Testing has been completed
- Jet Fan Testing
  - Currently two Laboratories Accredited
  - Performed 15 AMCA 250 thrust tests in 2021

## Strategic Plan

- Motor and PDS Testing
  - Staco Variable Transformer



## Upcoming projects

- Upcoming Laboratory Projects
  - Threshold Reynold Number testing
  - Ongoing WDR test rig improvement
  - AMCA 207 Study
  - Upgraded E-Stops

## Laboratory Accreditation

- 70 Accredited Laboratories
- AMCA 250 now available for Lab Accreditation
- AMCA Staff is resuming in-person Laboratory Accreditations

# Questions

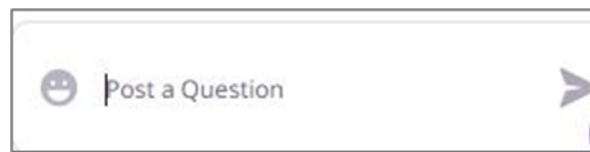
Scott Arnold

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Thank you for  
your time!

We will take a 5-minute break before starting  
the Air Movement session.