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

• 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
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
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
• +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 forth 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)
3. Certified Ratings Program

Charlie Meyers
CRP Manager
Numbers of Certified Products

2021 (YTD)
4128 (+201)
### Growth in 2021

<table>
<thead>
<tr>
<th>Category</th>
<th>2020</th>
<th>2021</th>
<th>Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified products</td>
<td>3927</td>
<td>4128</td>
<td>5%</td>
</tr>
<tr>
<td>CRP Participants</td>
<td>288</td>
<td>303</td>
<td>5%</td>
</tr>
<tr>
<td>Louver Listed products</td>
<td>127</td>
<td>146</td>
<td>7%</td>
</tr>
<tr>
<td>ENERGY STAR models</td>
<td>47</td>
<td>77</td>
<td>64%</td>
</tr>
</tbody>
</table>
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

- 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

Soon to be approved
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

- 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

Soon to be approved
4. AMCA Laboratories & Lab Accreditation

Tim Reilly
Lab Manager
• 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
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
• 70 Accredited Laboratories
• AMCA 250 now available for Lab Accreditation
• AMCA Staff is resuming in-person Laboratory Accreditations
To submit a question:

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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.**
Thank you for your time!

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