



2014 CAMX

THE COMPOSITES AND ADVANCED MATERIALS EXPO

COMBINED STRENGTH.
UNSURPASSED INNOVATION.

October 13–16, 2014: Conference / October 14–16, 2014: Exhibits
Orlando, Florida / Orange County Convention Center

Post Show Report

CAMX 2014 marked the debut of the Composites and Advanced Materials Expo, to great success. This collaborative event combined the strengths of two leading associations, ACMA and SAMPE, to deliver the only conference and exhibition encompassing the full spectrum of the composites and advanced materials industry.

This important event is essential to the growth and development of the composites and advanced materials industry, bringing professionals, engineers, buyers, and sellers together in one location.

www.theCAMX.org

Produced by



Official Media Partner



94% of attendees recommend CAMX

95% of attendees made new connections at CAMX

About CAMX

CAMX – The Composites and Advanced Materials Expo – is the one source for connecting and advancing all aspects of the world's Composites and Advanced Materials communities: R&D, engineering, manufacturing, service providers and end-users. Regardless of the application – transportation, aerospace, marine, wind energy, software, construction and infrastructure, medical, academics, sports and leisure – CAMX is America's go-to event in the U.S. for the global composites and advanced materials communities. It provides a venue for companies and individuals to grow business opportunities, develop industry skills, understand their potential impact on the industry and new markets, and showcase new innovations in products and technology. CAMX is jointly owned and produced by ACMA and SAMPE.

About ACMA

The American Composites Manufacturers Association (ACMA) is the world's largest trade group representing the composites industry. ACMA is recognized as the premier provider of composites industry educational resources through its CAMX show, conferences, and Certified Composites Technician (CCT®) program. It is a timely source of business intelligence and analysis for the composites industry through *Composites Manufacturing* magazine, the ACMA website and e-newsletters. It serves its members and the industry by providing strong, proactive leadership in growing the composites market and technical, legislative and regulatory affairs.

To learn more and become a member, visit www.acmanet.org.



About SAMPE

The Society for the Advancement of Material and Process Engineering (SAMPE), is a global professional member society, provides information on new materials and processing technology either via technical meetings, journal publications or books in which professionals in the field can exchange ideas and air their views. As the only technical society encompassing all fields of endeavor in materials and processes, SAMPE provides a unique and valuable forum for scientists, engineers and academicians.

To learn more and become a member, visit www.sampe.org.



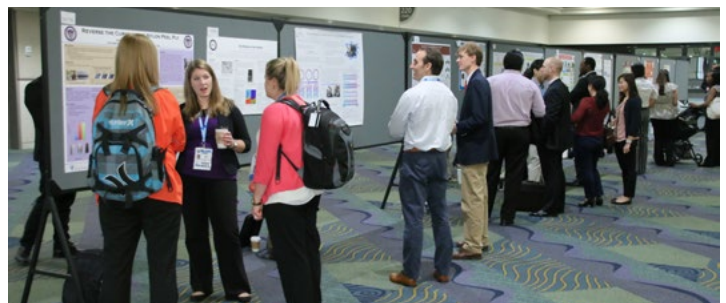
Packed house at the General Session.



On the floor manufacturing demonstrations.



Sales and networking in the exhibit hall.



Poster Boards of the latest research.

Delegate Demographics

7,100
Total Attendees

45
Countries
Represented

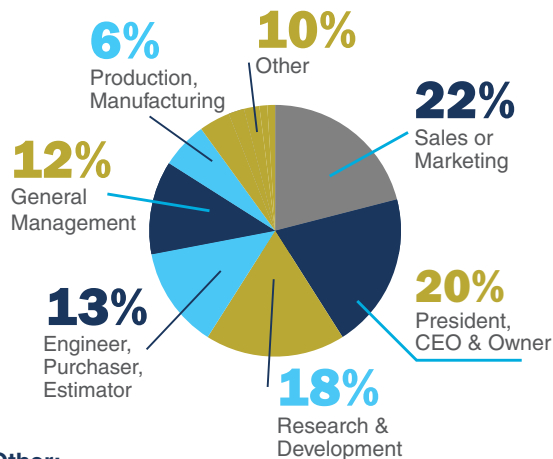
Company Type:

- Composite Manufacturer, Fabricator, Molder - **44%**
- Supplier: **21%**
- Other: **11%**
- College/University/Trade School: **7%**
- Distributor - **7%**
- End User, Architect, Specifier: **7%**
- Government/Military: **3%**

Principle Industry:

- Manufacturing: **44%**
- Aerospace & Aircraft (including Defense): **27%**
- Automotive/Transportation: **6%**
- Construction & Infrastructure: **6%**
- Education/Training: **5%**
- Less than **5%** —
 - Government
 - Marine
 - Medical
 - Nonprofit
 - Software
 - Sports & Leisure
 - Utilities, Energy, and Extraction

Attendee Job Function



Other:
Instructor/Educator, Program Management, Quality Control, Assurance, Tooling, Prototype.

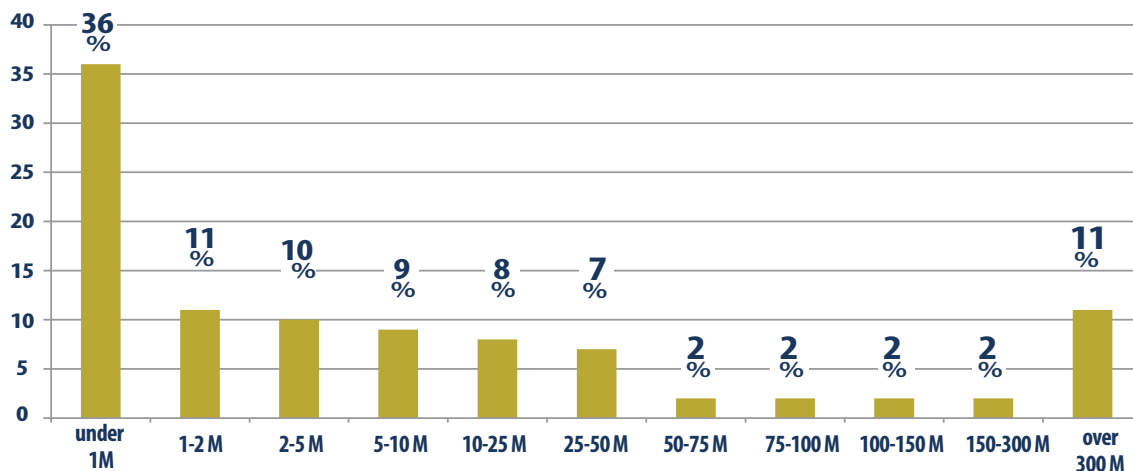
Age Range

- 18-34 years: **20%**
- 35-49 years: **32%**
- 50-68 years: **44%**
- 69+ years: **4%**

Attendee Buying Influence

- Make the final decision - **32%**
- Specify suppliers, research suppliers - **17%**
- Recommend and/or influence a decision - **39%**

CAMX Delegates Annual Composites Related Sales Volume in millions



CAMX Exhibit Hall

For the first time in North America, composites and advanced materials users, manufacturers and suppliers had access to the full spectrum of industry solutions in one location. Combining high-volume/low-cost material providers with low-volume/high-performance material delivered a unique experience and unprecedented opportunities for attendees and exhibitors alike. With 554 exhibiting companies and close to 2,000 different brands on display at CAMX, the show floor was the largest ever industry marketplace in the Americas.

Exhibitors hosted business meetings in their booths, at the convention center and at surrounding hotels. Off site venues were also packed each evening with receptions, customer dinners and other events filled with CAMX attendees.

EXHIBIT HALL
w/ Hall C

554
Exhibiting Companies

Exhibitor Categories

- Additives/Fire Retardants/Fillers - **5%**
- Adhesives and Sealants - **14%**
- Aerospace - **24%**
- Armor/Ballistic Materials - **5%**
- Assembly/Bonding Equipment - **5%**
- Autoclave - **4%**
- Automation Equipment - **6%**
- Auxiliary Processing - **3%**
- Carbon Fiber Systems - **7%**
- Carbon Fibers - **7%**
- Cleaning Products - **4%**
- CNC Machining Equipment - **5%**
- Coatings - **9%**
- Composites Structural Elements - **15%**
- Compounds/Putties - **4%**
- Computer Hardware/Software - **4%**
- Consulting Services - **6%**
- Core Materials - **11%**
- Cutting Equipment - **5%**
- Design Product Development Services - **7%**
- Education/Training - **5%**
- Fabrics - **11%**
- Foams - **6%**
- Glass Fibers - **9%**
- Manufacturing Process Development - **11%**
- Material Research and Development - **10%**
- Matrix Materials - **5%**
- Mold Release Systems - **5%**
- Prepregs - **12%**
- Reinforcements - **8%**
- Resin and/or Gel Coat - **11%**
- Resin Transfer Molding - **11%**
- Testing Equipment - **8%**
- Testing Laboratory - **8%**
- Thermoplastics - **8%**
- Tools and Tooling Equipment - **13%**
- Ventilating Equipment/Dust/Odor Control - **13%**

Other Categories

- Air Pollution Control
- Blenders/Mixers
- Braiding, Knitting/Stitching
- Ceramic Materials
- Cure Initiators/Catalysts
- Electrical/Electronic
- Fabricating Supplies
- Fasteners
- Filament Winding Equipment
- Infusion Equipment
- Laser Projection
- Nano Materials
- Ovens/Dryers/Furnaces
- Preforms
- Prepreg Manufacturing/Handling Equipment
- Presses/Compression
- Repair
- Safety Equipment and Supplies
- Sporting Equipment

We established connections with several potential customers, and also met with suppliers that can improve and expand our processes. CAMX is one of the best shows we've attended in many years. We plan on attending in the future.

*Dakota Kieffer,
Plastics Unlimited*

The size of the exhibit hall and number of quality programming options was mind blowing.

Gary Beck, Global Composites, Inc.

Conference Program & Awards

In both the CAMX Awards and the Conference Program, CAMX showcased innovations in materials and manufacturing, best practices in all aspects of the industry, and solutions to challenges. The CAMX Conference Program is unsurpassed in terms of content and experts on hand to share their knowledge. During the most extensive conference program for the industry anywhere in the world, CAMX delivered three full days of sessions comprised of Technical Papers, Education Sessions, and Panels in ten tracks and over 60 unique topics and categories. From technical research on all aspects of advanced materials and composites, to manufacturing and business management topics, and trends and insights on the future of the industry, attendees received valuable information presented by expert speakers in all areas.

Innovation at CAMX

The CAMX Award recognizes industry innovations and leadership that have the potential to significantly impact composites and advanced materials in the marketplace. The 2014 CAMX Award was presented to two game-changing entries that reflect the depth and breadth of the CAMX theme: Combined Strength. Unsurpassed Innovation. All 12 companies who were finalists, as well as the two winners, join an elite group of leaders and visionaries within the composites and advanced materials community.

COMBINED STRENGTH AWARD

NASA-Boeing Composite Cryotank Technologies & Demonstration (CCTD) Team

Submitted by: NASA in cooperation with Boeing



UNSURPASSED INNOVATION AWARD

Epitome Quality Foundation Walls

Submitted by: Composite Panel Systems, LLC



General Session

Kevin Mickey, President of Scaled Composites, gave a presentation that embodied the “Combined Strength and Unsurpassed Innovation” of CAMX. He shared his experiences with managing and leading to instill an entrepreneurial drive and culture within his company.



Conference Tracks

- Business
- Design, Analysis, & Testing
- Green Composites
- Manufacturing
- Market Applications
- New Materials/ Nanotechnology
- Process Advancements
- Regulatory & Legislative
- Traditional Materials
- Transportation

342
Presentations

500
Speakers

Technical Paper Award Winners

1st Place - ACMA Outstanding Paper Award

Corrosion Resistance of E-Glass Fiber Reinforced Composites: Boron and Interface Factors

Pu Gu, Fiber Glass Science & Technology Center
PPG Industries, Inc.

1st Place - SAMPE Outstanding Paper Award

Crash Performance of Variable Stiffness Braided Fiber Glass Composites

Ryan Emerson, PPG Fiber Glass Reinforcement Technology Center and Brandon Strohminger, A&P Technology

Poster Session Winner

1st Place - Overall Winner

Reverse the Curse of the Nylon Peel Ply?

PRIMARY AUTHOR: Ashley C. Tracey, University of Washington

Virtual Career Fair

The CAMX Virtual Career Fair connected CAMX job seekers with companies seeking qualified job candidates within the composites and advanced materials industry. Hosted by **AeroIndustryJobs.com** and **CompositesIndustryJobs.com**, the career fair featured 80 composites and advanced materials industry jobs.

The CAMX Conference program allowed me to review current/new technologies in other markets. It was great to listen to panel discussions and meet new people in the industry.

Andrew Miller, Penske Racing





CAMX

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October 26-29, 2015: Conference / October 27-29, 2015: Exhibits
Dallas, Texas, USA / Dallas Convention Center

www.theCAMX.org

Plan Now to Join Us
OCTOBER 2015
Dallas, Texas, USA

INDUSTRY LEADERS COMPOSITES ADVANCED MATERIALS EDUCATIONAL PROGRAMS EXHIBITIONS ONE SOURCE INNOVATIVE PRODUCTS SUSTAINABILITY

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