

(Theme: Exploring the Fusion of Intelligence with Materials)

Summary

Smart Materials -2015 welcomes attendees, presenters, and exhibitors from all over the world to Las Vegas, USA. We are delighted to invite you all to attend and register for the “**International Conference and Expo on Smart Materials & Structures (Smart Materials -2015)**” which is going to be held during June 15 -17, 2015 in Las Vegas, USA.

The organizing committee is gearing up for an exciting and informative conference program including plenary lectures, symposia, workshops on a variety of topics, poster presentations and various programs for participants from all over the world. We invite you to join us at the **Smart Materials -2015**, where you will be sure to have a meaningful experience with scholars from around the world. All members of the Smart Materials -2015 organizing committee look forward to meeting you in Las Vegas, USA.

For more details please visit- <http://smartmaterials-structures.conferenceseries.com/>

Importance & Scope

A “smart material” is one having a molecular structure that responds in a particular and controlled way to influences upon it.

Smart materials are designed materials that have one or more Properties that can be significantly changed in a controlled fashion by External stimuli, such as stress, temperature, moisture, pH, electric or Magnetic fields.

Smart Materials, Systems and Structures by definition are intelligent, Flexible systems that have sentience and responsiveness to ever changing Environments. This field has rapidly matured due to synergistic interdisciplinary efforts across sectors of universities, government and industry.

To continue the high impact growth of Smart Materials and lead it into the future, the purpose of this conference is to assemble world experts across engineering and scientific disciplines (mechanical, metallurgical, electrical, materials, and civil engineering, physics, chemistry etc.) to actively discuss the latest breakthroughs in smart materials, the cutting edge in adaptive structure applications and the recent advances in both new device technologies and basic engineering research exploration.

International Conference and Expo on Smart Materials & Structures is dedicated to technical advances in smart materials, systems and structures, including materials, sensing and actuation, optics and electromagnetic, structures, control and information processing. Smart materials are beginning to play an important role in civil engineering designs for dams, bridges, highways, and buildings. Engineers are introducing sheets of composites materials containing sensors that will alert maintenance engineers to the need for repairs.

Smart Materials-2015 event will definitely help in developing novel technologies which would help economy in bringing down the costs in materials design and building structures with longer life.

Why Las Vegas?

Las Vegas is the most populous city in Nevada, the seat of Clark County, and an internationally renowned major resort city for gambling, shopping and fine dining. Las Vegas, which bills itself as The Entertainment Capital of the World, is famous for the number of casino resorts and associated entertainment. A growing retirement and family city, it is the 31st most populous city in the United States.

The major attractions in Las Vegas are the casinos and the hotels. The most famous hotel casinos are located on Las Vegas Boulevard on the portion of that road known as the Las Vegas Strip. These larger casinos are located outside of the city. Many of these hotels are massive, providing thousands of rooms, with their large adjoining casino areas. There are many hotel casinos in the city's downtown area as well, which was the focal point of the city's gaming industry in its early days. Several large hotels and casinos are also located somewhat off the Strip, as well as in the county around the city.

Some of the most notable casinos involved in downtown gaming are on the Fremont Street Experience which was granted variances to allow bars to be closer together, similar to the Gas lamp Quarter of San Diego.

Why to attend???

Sharing knowledge from smart materials With members from around the world focused on learning about smart materials & structures this is your single best opportunity to reach the largest assemblage of participants from the ADHD community. Conduct demonstrations, distribute information, meet with current and potential customers, make a splash with a new product line, and receive name recognition at this 3-day event. World-renowned speakers, the most recent techniques, tactics, and the newest updates in smart materials & structures are hallmarks of this conference.

A Unique Opportunity for Advertisers and Sponsors at this International event:

<http://smartmaterials-structures.conferenceseries.com/sponsors.php>

Major Marketing Associations around the Globe

International Association for Bridge Management and Safety (IABMAS)

International Association of Advanced Materials

ALA Allied Professional Association

American Library Association

American Dental Association

The Rural Broadband Association

Plastics Decorating | Association News

American Public Transportation Association

Major Marketing Associations in USA

- AGC Las Vegas (Associated General contractors of Las Vegas)
- The Specialty Graphic Imaging Association (SGIA), Las Vegas.
- American Composites Manufacturers Association,
- American Association of Textile Chemists and Colorists
- American Pool players Association
- ASME (American Society of Mechanical Engineering)
- AARP (American Association of Retired Persons)
- Acoustical Society of America

- University of Las Vegas
- University of Texas
- Yale University
- University of Berkeley
- University of California
- Princeton University
- University of Chicago
- University of Maryland

Statistical Analysis of Associations

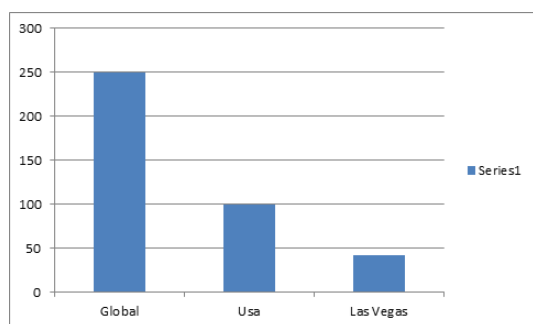


Figure 1: Statistical Analysis

Source: [Reference](#)

Target Audience:

- Scientists & Researchers
- Technical Directors
- Chemical Engineers
- Mechanical Engineers
- Bio-Materials Experts
- Structure Designers
- Metallurgist
- Materials Science

Top Universities in USA:

- University of Nevada lasVegas
- University of phoenix las Vegas
- University of Southern Nevada
- Harvard University
- University of Washington
- University of Wisconsin Madison
- Stanford University

Global Market of smart materials REPORT in (2011-2016):

BCC estimates the global market for smart materials at about \$19.6 billion in 2010. BCC expects the market to approach \$22 billion in 2011 and pass \$40 billion by 2016, a compound annual growth rate (CAGR) of 12.8% between 2011 and 2016.

Actuators and motors make up the largest application segment of the smart materials market, with sales of nearly \$10.8 billion (55% of the total market) in 2010, increasing to \$25.4 billion (nearly 64% of the market) by 2016, a compound annual growth rate (CAGR) of 15.4% between 2011 and 2016.

Transducers make up the second-largest application segment, with sales of \$7 billion in 2011. However, transducers have the lowest projected growth rate of any major application segment and, while absolute dollar sales are projected to approach an impressive \$9.4 billion in 2016, transducers' percentage of market share should slip to 23.4%, reflecting a compound annual growth rate (CAGR) of 6%.

Market Growth of Global Marketing

Statistics which shows growth in importance of Global Marketing

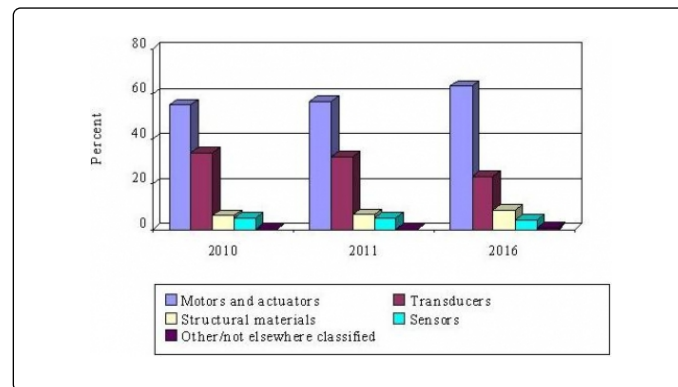


Figure 4: Global Market Analysis

Source: [Reference](#)

References:

1. <http://www.infoplease.com/ipa/A0004878.html>
2. <http://www.bcresearch.com/market-research/advanced-materials/smart-materials-technologies-markets-avm023d.html>