

Materials Science

(Theme: To explore the implications of Materials Science and Engineering)

Summary:

Materials Science or Materials Engineering is the study of all of the materials we see around us every day. Materials Science or Engineering forms a bridge between the sciences and engineering. It allows theory to be put into practice in a way which benefits everybody, since everything we do every day involves materials. Materials Scientists or Engineers look at all of the different groups of materials, metals and alloys, polymers, ceramics and composites. They develop new materials for new applications, improve existing materials to give improved performance and look at ways in which different materials can be used together.

Operating Committee invites all the participants across the globe to attend the 6th International Conference and Exhibition on Materials Science and Engineering on September 1-3, 2016, Atlanta, USA. Materials Science-2016 covers a broad range of topics to discuss on this international platform by conducting keynote lectures, plenary speeches, workshops and poster presentations. Materials Science-2016 is designed to explore the implications of Materials Science and Engineering

For more details please visit <http://materialsscience.conferenceseries.com/>

Importance & Scope:

Materials Science is designed to offer comprehensive sessions that address recent advancements and new strategies for development of new materials for global requirements with an objective to install a dialogue between industries and academic organizations and knowledge transfer from research to industry. Materials Science-2016 covers the areas of Materials Science and Engineering, Energy Materials, Mining and Metallurgy, Surface Science and Engineering, Biomaterials and Tissue Engineering, Materials Chemistry, Polymer Technology, Emerging fields in Materials Science and Nanotechnology.

Why Atlanta?

Atlanta is the capital of and the most populous city in the U.S. state of Georgia. And with a 2013 estimated population of 447,841. Atlanta is ninth largest metropolitan area in the United States. Atlanta is considered as a world city and with a gross domestic product of \$270 billion. More than 30 colleges and universities located in the city, Atlanta is considered a centre for higher education. Atlanta is also home to nationally renowned private colleges and universities. Atlanta's economy ranks 15th among world cities and sixth in the nation. Atlanta attained international prominence. Atlanta is the primary transportation hub of the South-eastern United States, via highway, railroad, and air, with Hartsfield–Jackson Atlanta International Airport being the world's busiest airport since 1998. Atlanta encompasses 132.4 square miles (342.9 km²), of which 131.7 square miles (341.1 km²) is land and 0.7 square miles (1.8 km²) is water. The city is situated among the foothills of the Appalachian Mountains, and at 1,050 feet (320 m) above mean sea level, Atlanta has the highest elevation of major cities east of the Mississippi River.

Atlanta has a humid subtropical climate with four distinct seasons and generous precipitation year-round, typical for the inland South. Summers are hot and humid, with temperatures somewhat moderated by the city's elevation. Atlanta, while located in the

South, has a culture that is no longer strictly Southern. This is due to a large population of migrants from other parts of the U.S., in addition to many recent immigrants to the U.S. who have made the metropolitan area their home, establishing Atlanta as the cultural and economic hub of an increasingly multi-cultural metropolitan area.

Atlanta is the seventh-most visited city in the United States, with over 35 million visitors per year. The most popular attraction among visitors to Atlanta is the Georgia Aquarium the world's largest indoor aquarium. Atlanta's tourism industry mostly driven by the city's history museums and outdoor attractions.

Why to attend???

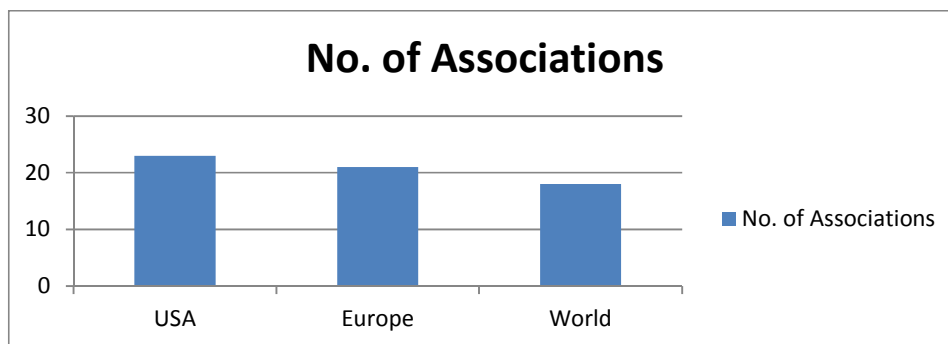
Materials Science-2016 lays the best platform to globalize your research by installing a dialogue between industries and academic organizations and knowledge transfer from research to industry. Materials Science-2016 aims in proclaim knowledge and share new ideas amongst the professionals, industrialists and students from research areas of Materials Science and Nanotechnology to share their research experiences and indulge in interactive discussions and special sessions at the event.

Major Materials Science Associations around the Globe

- International Magnesium Association
- International Manganese Institute
- International Union of Materials Research Societies
- International Union of Vacuum Science, Technique, and Applications
- International Union of Crystallography
- Society for Biomaterials
- Society for Experimental Mechanics
- Society of Glass Technology

Major Materials Science Associations in USA

- American Ceramics Society
- American Chemical Society
- American Foundrymen's Society
- American Institute of Aeronautics and Astronautics
- American Physical Society
- Microscopy Society of America

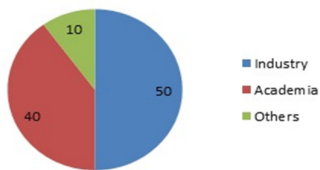


Target Audience:

- Materials Science Engineers
- Nanotechnology Engineers
- Researchers from Mining and Metallurgy field
- Scientists and students from Tissue Science engineering and Biomaterials
- Delegates from Materials Science and Nanotechnology Associations
- Professors, Students, Researchers and Technical Staff from Materials Science and Nanotechnology Department
- Delegates from Materials Science, Semiconductor, Polymer, Fuel Cell and Energy related industries

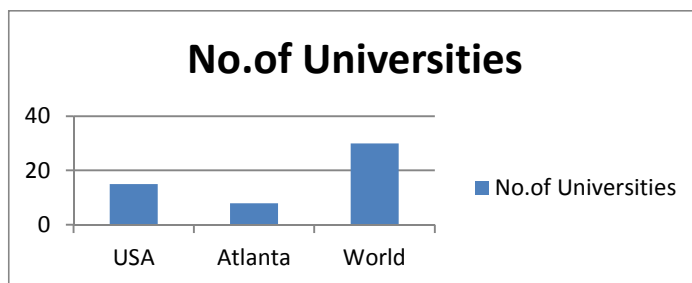
In total, percentage of attendees from various sectors as follows

- Industry 50%
- Academia 40%
- Others 10%



Top Universities in USA:

- University of Oxford
- Harvard University
- Stanford University
- University of California, Berkeley (UCB)
- Pennsylvania State University

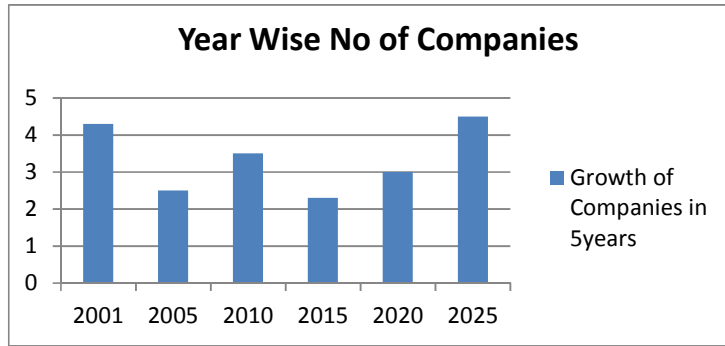


Glance at Market of Materials Science and Engineering

Advanced materials category covers a range of industries including ceramics, glass, metals, alloys, construction materials and other high technology processing areas. 2009 was one of the most difficult years for the global economy, and the material test equipment market was no exception, witnessing an almost xx percent decline in revenue.

The U.S. Bureau of Labor Statistics (BLS) produces annual wage estimates for more than 800 individual occupations. Newly released figures for 2012 put BLS Code 19-2032 (an occupational group encompassing materials scientists) in 82nd place in yearly wages. The group, which includes 7,970 employees across the country, posted an average annual salary of \$89,740.

Market Growth of Materials Testing and Service Industries
Statistics which shows growth in importance of Materials Science Globally:



Companies Associated with Materials Science (Materials Testing and Service Companies, Aluminium Association Companies and Others)

2012 Rank	Company	Worldwide 2011 Revenue(US\$)	Worldwide 2012 Revenue(US\$)
1	Schaefer holding International GmbH	2.5 billion	2.57 billion
2	Daifuku Co.,Ltd.	2.5 billion	2.57 billion
3	Dematic	1.3 billion	1.3 billion
4	Murata Machinery.Ltd	1.05 billion	1.05 billion
5	Mecalux,S.A.*	952 million	952 million
6	Vanderlande Industries	747 million	785 million
7	Beumer Group GmbH	657 million	722 million
8	Swisslog AG	617 million	680 million
9	Kardex Ag	596 million	630 million
10	Intelligrated	435 million	524million
11	Fives Group *	508 million	508 million
12	Knapp AG	423 million	490 million
13	TGW Logistics Group GmbH	394 million	473 million
14	KUKA Systems North America **	352 million	
15	Witron Integrated Logistics, Inc	270 million	352