

3rd International Conference and Exhibition on Mechanical & Aerospace Engineering

Date & Venue: Oct 05-07, 2015, San Francisco, USA

(Theme: Modern Practices in Mechanical & Aerospace Engineering)

About the Conference:

OMICS Group invites all the participants across the globe to attend the 3rd International Conference and Exhibition on Mechanical & Aerospace Engineering during Oct 05-07, 2015, San Francisco, USA, with the theme of "Modern Practices in Mechanical & Aerospace Engineering".

Mech Aero-2015 unites applications from various scientific disciplines, pushing the frontiers of Mechanical, Aerospace, Aerodynamics and Aeronautics. It represents the huge area where the focus lies on developing product-related technologies with rapid advancement in research in recent years. It is true that fundamental work on materials has turned up with unexpected momentous discoveries, but more frequently, the importance and significance can be gauged by the fact that it has made huge advancements over the course of time and is continuing to influence various sectors.

For more details please visit- <http://mechanical-aerospace.conferenceseries.com/>

Importance & Scope

Mechanical and Aerospace Engineering is an emerging and challenging field in today's world. The mission of the Mechanical and Aerospace Engineering is to educate the nation's future leaders in the science and art of mechanical and aerospace engineering. Further, seeks to expand the frontiers of engineering science and to persuade technological innovation while nurturing both academic and industry excellence.

Mech Aero-2015 is an international podium for presenting research about mechanical and aerospace engineering and exchanging thoughts about it and thus, contributes to the propagation of information in both the academia and business.

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Why San Francisco?

San Francisco, officially the City and County of San Francisco, is the cultural center and a leading financial hub of the San Francisco Bay Area and Northern California. San Francisco is mainly famous for its aerospace convention and having no. of universities related to Mechanical and Aerospace Engineering. San Francisco is the fourth-most populous city in California, after Los Angeles, San Diego and San Jose, and the 14th-most populous city in the United States—with a Census-estimated 2013 population of 837,442.

San Francisco is a popular tourist destination, known for its cool summers, fog, steep rolling hills, eclectic mix of architecture, and landmarks including the Golden Gate Bridge, cable cars, the former prison on Alcatraz Island, and its Chinatown district. San Francisco is also the headquarters of five major banking institutions and various

other companies such as the Gap Inc., Pacific Gas and Electric Company, Yelp, Pinterest, Twitter, Uber, Mozilla and Craigslist.

Conference Highlights:

- Fluid Mechanics
- Aerodynamics
- Airship Design and Development
- Flight Vehicle Navigation
- Design and Development of Aircrafts
- Design and Modelling of Aircraft and Helicopter Engines
- Robotics and Mechatronics
- Design and Development of Rockets
- Space Engineering
- Bioengineering and Bio-Mechanics
- Material Processing
- Energy Processing
- Mechanics, Dynamics and Controls
- Heat Transfer Systems
- Applications in Aerospace Technology

Why to attend???

With members from around the globe focused on wisdom about mechanical and aerospace, this is the most outstanding opportunity to reach the largest collection of participants from mechanical and aerospace community. They can organize workshop, exhibit, platform for networking and enhance their brand at the conference.

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

<http://mechanicalaerospace.conferenceseries.com/Sponsorship.pdf>

Major Mechanical and Aerospace Associations in USA

- Sigma Gamma Tau Aerospace Engineering Honor Society
- American Helicopter Society
- American Institute of Aeronautics and Astronautics
- American Society of Mechanical Engineers
- American Society of Heating, Refrigerating and Air-Conditioning Engineers
- Society of Automotive Engineers
- Society of Manufacturing Engineers
- NASA

Major Mechanical and Aerospace Associations around globe

- Canadian society for Mechanical Engineers
- Institution of Mechanical Engineers
- International Association of Engineers (IAENG)
- Aeronautical Society of India

Royal Aeronautical Society
 Society of Professional Engineers UK

Statistical Analysis of Associations

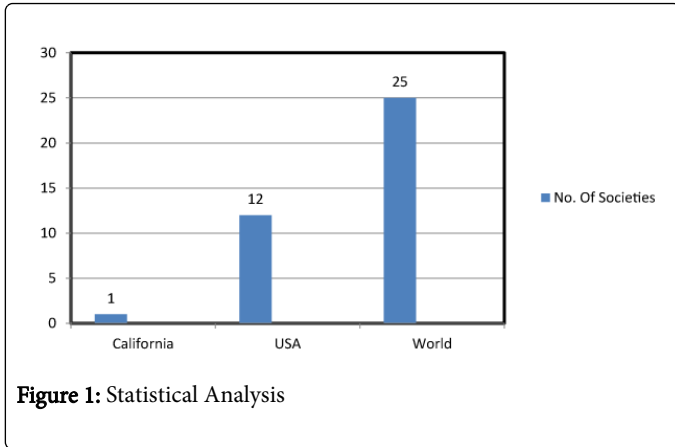


Figure 1: Statistical Analysis

Target Audience:

Professors and Students from Academia in the study of Mechanical and Aerospace field. Directors/CEO'S of companies, mechanical engineers, aeronautical engineers.

Target Audience:

Industry 50%
 Academia 50%

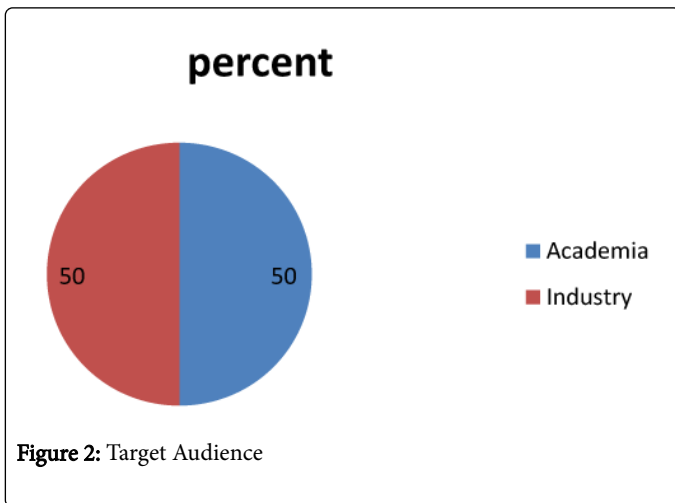


Figure 2: Target Audience

Top Universities in USA:

- Massachusetts Institute of Technology
- Stanford University
- University of California, Berkeley
- Georgia Institute of Technology (Georgia Tech)
- University of Illinois, Urbana Champaign

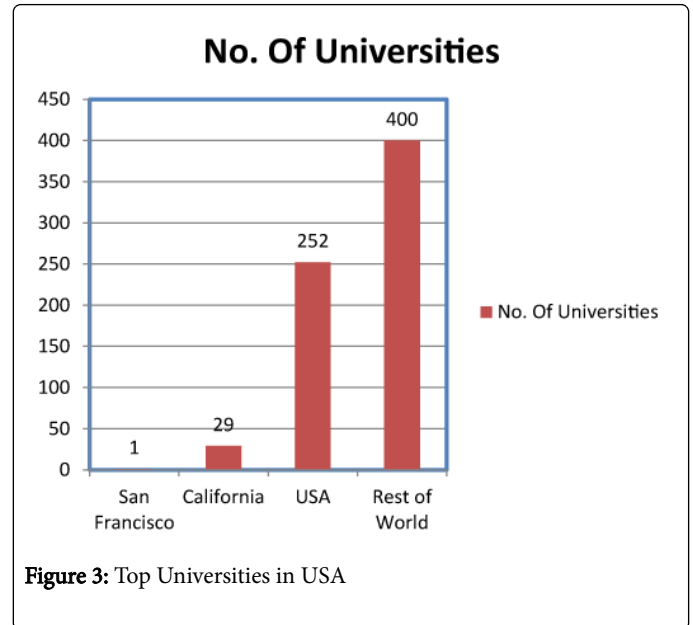


Figure 3: Top Universities in USA

Companies Associated with Aerospace Engineering

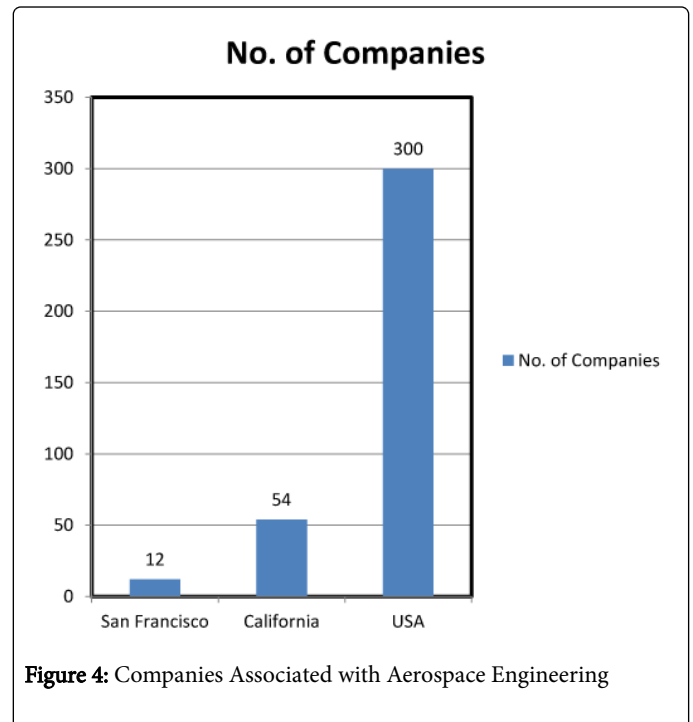


Figure 4: Companies Associated with Aerospace Engineering

Glance at Market of Aerospace and Mechanical:

In 2012, the U.S. aerospace industry contributed \$118.5 billion in export sales to the U.S. economy. The industry's positive trade balance of \$70.5 billion is the largest trade surplus of any manufacturing industry and came from exporting 64.3 percent of all aerospace production. Industry estimates indicate that the annual increase in the number of large commercial airplanes during the next 20 years will be 3.5 percent per year for a total of 34,000 valued at \$4.5 trillion (list prices).

U.S. machinery industries had total domestic and foreign sales of \$413.7 billion in 2011. The United States is the world's largest market for machinery, as well as the third largest supplier. American manufacturers held a 58.5 percent share of the U.S. domestic market. More than 1.3 million Americans were employed directly in

manufacturing machinery and equipment in August 2013. These jobs are almost entirely in high-skill, well-compensated professions and trades. Machinery manufacturing also supports the jobs of hundreds of thousands of Americans in a variety of other manufacturing and service industries.

Growth percent of some developing Companies in Aerospace Industries

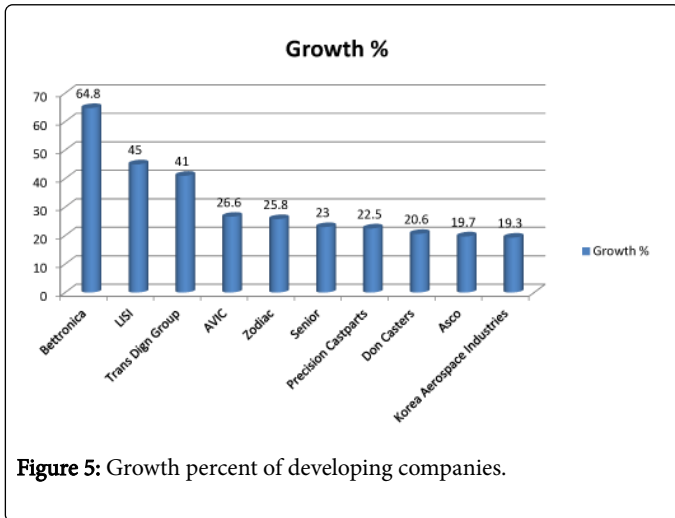


Figure 5: Growth percent of developing companies.

Number of Mechanical & Aeronautical Engineers in USA

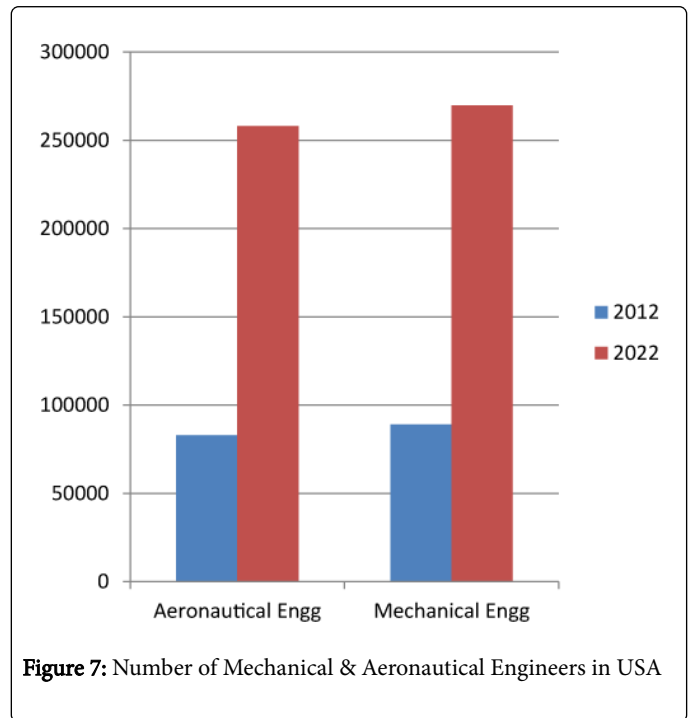


Figure 7: Number of Mechanical & Aeronautical Engineers in USA

Aerospace Industry Sales By Product Group (USA)

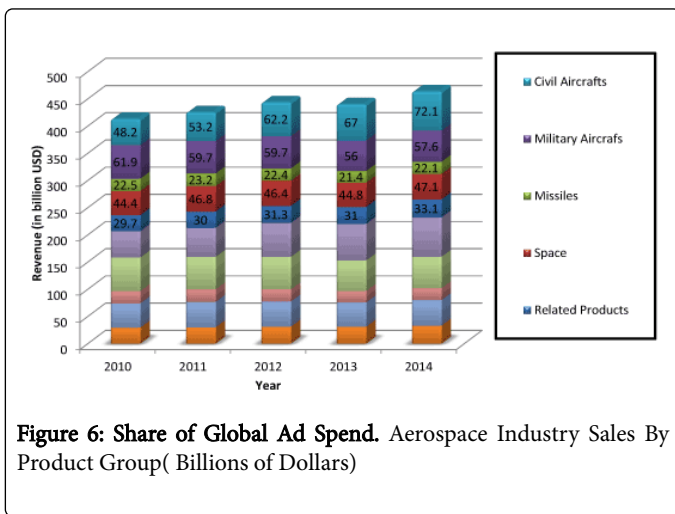


Figure 6: Share of Global Ad Spend. Aerospace Industry Sales By Product Group(Billions of Dollars)

References

1. <http://www.aerospace-technology.com/contractors/indexatoz.html>
2. <https://www.asme.org/career-education/students/mechanical-engineering-universities-colleges/united-states-canada>
3. http://www.slideshare.net/FIRE_SUPPORT/top-100-aerospace-companies-2013
4. http://www.aia-aerospace.org/assets/2013_AIA_Annual_report_webversion.pdf
5. <http://www.bls.gov/ooh/architecture-and-engineering/mechanical-engineers.htm#tab-6>