Atomic Physics -2016

(Theme: Challenging future directions in the field of Atomic and Nuclear physics)

Summary:

Atomic Physics -2016 welcomes attendees, presenters, and exhibitors from all over the world to Atlanta, USA. We are delighted to invite you all to attend and register for the **"**International Conference on Atomic and Nuclear Physics **(Atomic Physics -2016)"**which is going to be held during June 23-24, 2016 in Atlanta, USA..

For more details please visit- http://atomic-nuclearphysics.conferenceseries.com/

Importance and Scope :

The United States will spend at least $179 billion over the nine fiscal years of 2010-2018 on its nuclear arsenal, averaging $20 billion per year, with costs increasing from $16 billion to $25 billion per year over that timeframe. This estimate by no means, however, includes the full costs of maintaining America's nuclear deterrent. The $179 billion includes most of the direct costs of nuclear weapons and strategic launchers, such as missiles and submarines, as well as a majority of the costs of military personnel responsible for maintaining, operating, and executing nuclear missions.

The costs for the nuclear mission are expected to grow substantially over the next 20 years if each leg of the nuclear triad is modernized to replace existing nuclear systems (i.e., launchers, missiles, and bombers). Decisions are currently being made on which systems to replace and in what numbers, and preliminary estimates suggest spending will increase to more than $25-30 billion per year for maintenance and procurement, not including many of the associated costs to maintain the nuclear arsenal.

Conference Highlights:

- Atomic Physics
- Frontiers in Atomic Physics
- Frontiers in Nuclear Physics
- Physics of Uranium and Nuclear energy
- Nuclear Safety
- Scope of Atomic and Nuclear Physics
- Applications of Atomic and Nuclear Physics

Why to attend???

International Conference on Atomic and Nuclear Physics -2016 which is going to be the biggest conference dedicated to Atomic and Nuclear Physics provides a premier technical forum for reporting and learning about the latest research and development, along with discussing new applications and technologies. Events include hot topics presentations from all over the world and professional networking with industries, leading working groups and panels.

Meet Your Objective Business sector With individuals from and around the globe concentrated on finding out about Atomic and Nuclear Physics , this is the best chance to achieve the biggest collection of members from everywhere throughout the World. Conduct shows, disperse data, meet with current, make a sprinkle with another product offering, and get name acknowledgment at this occasion. Widely acclaimed speakers, the latest methods, strategies, and the most up to date overhauls in Atomic and Nuclear Physics are signs of this meeting.

Why Atlanta? USA

Atomic Physics-2016 is going to be held in Atlanta, the fastest growing city in the United States (total population) with an excellent economic growth. Atlanta is considered an "alpha-" or "world city", ranking 15th among world cities and sixth in the nation with a gross domestic product of $270 billion. They are many top universities working on Atomic and Nuclear Physics, and not only the universities, but also the advanced research and such research is highly growing in Atlanta when compared with other cities.

In Atlanta wide-scope of innovations take place in several areas of Atomic and Nuclear physics, including frontiers in Atomic Physics, Nuclear Physics. Currently there are more than 50 Atomic and Nuclear Physics Universities in USA.

Worlds well known Emory University is also located in Atlanta. The funding released by the Atlanta city is more and it is around billions of dollars every year to the universities, companies. The most attractive place in Atlanta is the Georgia museum not only museum they are greenery place like Atlanta botanical garden, Georgia aquarium, Fernbank science Center.

So visit to Atlanta to explore the beautiful city, gain knowledge and share your ideas..

Atomic and Nuclear Physics Market Analysis:

The report "Nuclear Power Plant and Equipment Market by Reactor Type (PWR, PHWR, BWR, HTGR, FBR etc.), by Equipment Type (Island Equipment and Auxiliary Equipment) & Geography - Global Trends & Forecast to 2019", defines and segments the nuclear power market with analysis and forecasts of the global revenue. The global nuclear power and equipment market is estimated to grow from over $56.86 Billion in 2014 to nearly $67.23 Billion by 2019, at a CAGR of over 3.41%.

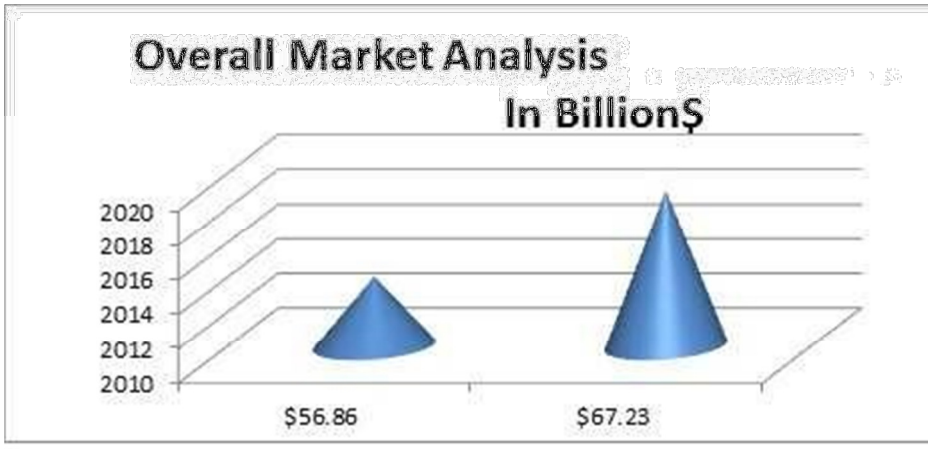

Figure:1 Overall Market Analysis of Atomic and Nuclear Physics in Billion$

Scope and Importance of Atomic and Nuclear Physics Research:

The provision of a sufficient amount of cost-effective and ecologically friendly sources of energy is a key problem to mankind. At that moment, the energy demand is met to a great extent by fossil fuels (coal, natural gas and oil). Since the discovery of nuclear fission more than 50 years ago, its use has become increasingly significant for the supply of electrical and thermal energy, and the importance of regenerative energy carriers will still be rising in the future. It is assumed that mankind's demand of primary energy will rise strongly during the next decades. Whereas today 5.8 billion people use up 13E9 tce, it is expected that in 2020 8 billion will consume 20E9 tce.

So obviously a massive expansion of nuclear energy will take place in the next decades. So achieve the necessary social acceptance of nuclear energy, its technical realization must not only exclude severe accidents that will vastly contaminate areas with radioactive material or evacuation necessities at all, but also protect population from any health hazard.

Target Audience

- Directors of companies
- Researchers
- Professors
- Lecturers
- Scientists
- Students
- Managers & Business Intelligence Experts

· Research students and Research Institutes

· Advertising and Promotion Agency Executives

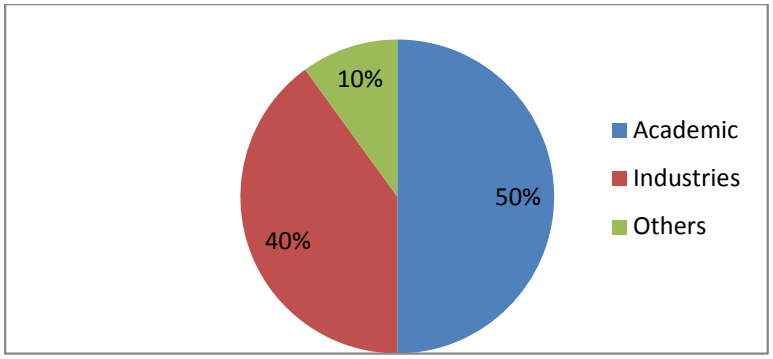

Figure 2: Target Audience in terms of percentage

Major Research Institutes:

- American Nuclear Society (United States)
- Atomic Energy of Canada Limited
- British Energy (United Kingdom)
- Canadian Nuclear Safety Commission (Canada)
- Egyptian Atomic Energy Authority
- European Nuclear Education Network (Europe)
- EURATOM (Europe)
- Federal Atomic Energy Agency (Russia)
- Nuclear Energy Institute (United States)
- Nuclear Industry Association (United Kingdom)
- Russian Federal Atomic Energy Agency (Russia)
- United Kingdom Atomic Energy Authority (United Kingdom)
- Department of Energy (United States)
- World Nuclear Association (International)

Top Universities in USA:

- University of California
- Stanford University

- Harvard University
- University of Massachusetts Amherst
- Massachusetts Institute of Technology (MIT)
- Northeastern University
- Boston University

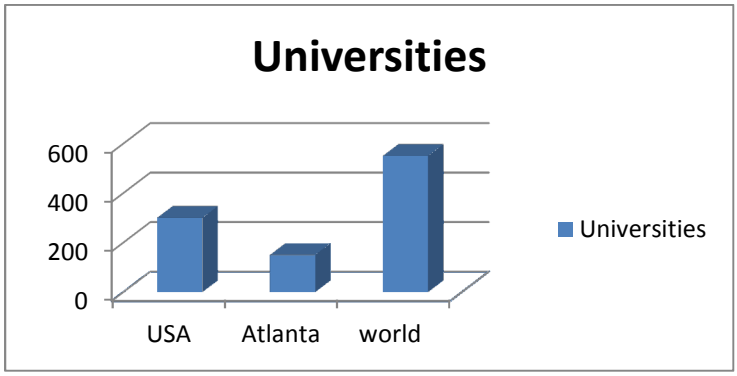

Figure: 3 List of universities

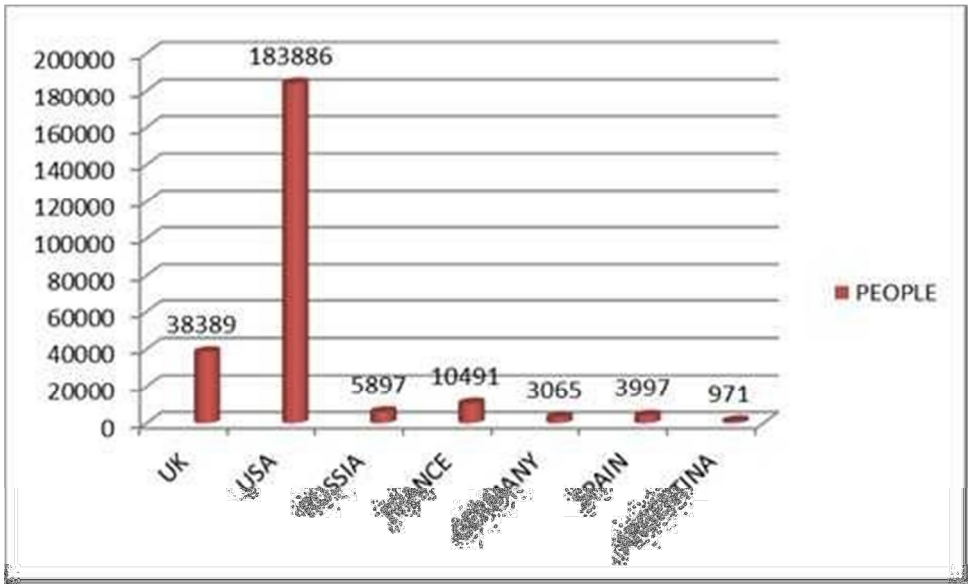

Figure: 4 People Researching on Nuclear Physics

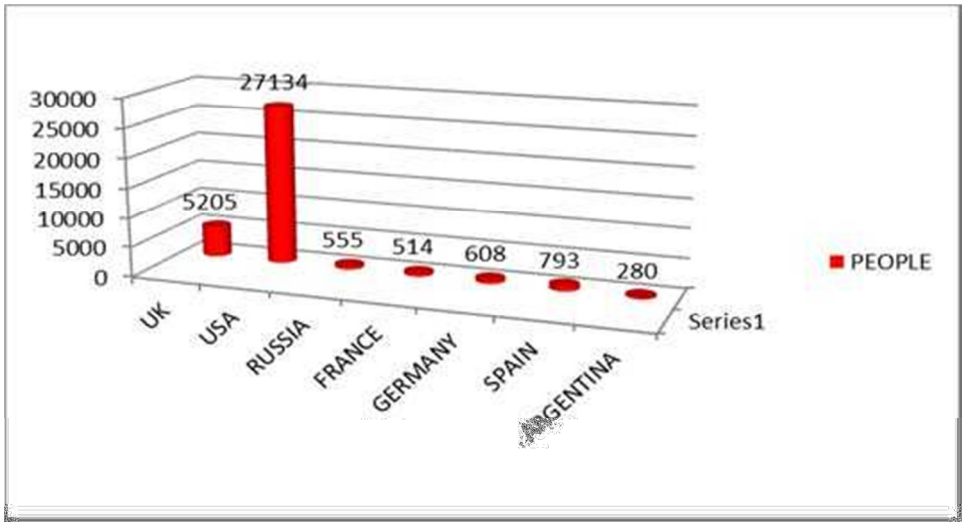

Figure : 5 People Researching on Atomic Physics:

Major Research Institutes:

- American Nuclear Society (United States)
- Atomic Energy of Canada Limited
- British Energy (United Kingdom)
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Companies Associated with Atomic and Nuclear Physics

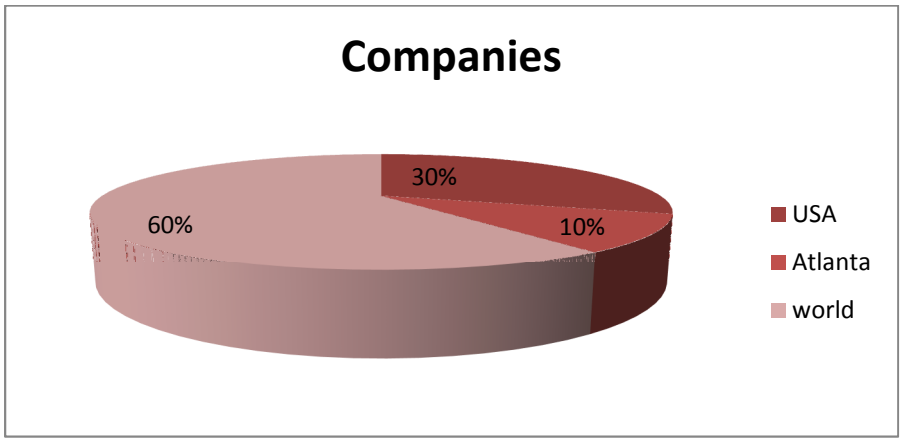

Figure 6: List of Companies Associated with Atomic and Nuclear Physics in percentage