

Market Analysis on 6th International conference on Quantum Physics and Nuclear Engineering

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After the successful completion of the Quantum Physics 2019 conference series, we are pleased to welcome you to the "<u>6th</u> <u>International conference on Quantum Physics and Nuclear</u> <u>Engineering.</u>" The congress is scheduled to take place on July 27-28, 2020 in the beautiful city of London, UK. This 2020 <u>Quantum Physics Conference</u> will give you exemplary experience and great insights in the field of research.



In 2018, the global market for <u>Quantum Physics</u> was 67 million US\$ and is expected to reach 86 million US\$ by the end of 2025, with a CAGR of 10 per cent between 2019 and 2025.

The special moment added in the conference is award distribution. The award is to encourage the speakers, participants, Keynote speakers, Young scientist people etc., there are several categories are introducing to provide the awards. The awards will be delivered by the chair-person at the end of the conference.



In recent years, the market for <u>Quantum Physics</u> has seen significant growth directly on the back of the increasing number of procedures for Quantum Physics.



The field of <u>Quantum physics</u> and <u>Nuclear Engineering</u> have not only helped the development in different fields in science and technology but also contributed towards the improvement of the quality of human life. The core aim of Quantum Physics 2020 Conference is to provide an opportunity for the delegates to meet, interact and exchange innovative ideas in the various areas of <u>Quantum physics</u> and <u>Nuclear Engineering</u>. The joy of attending Quantum Physics 2019 brings with it improvement and incremental growth in your approach to do things, in the broader manner to see things in international diversity.

The overall global quantum technology market will reach \$15.3B USD by 2024. <u>Quantum computing</u> will lead the market with highest market share by 2024. <u>Quantum communication</u> market will grow with highest CAGR of 24.6% during 2018 – 2024.



Source: Industry Experts, Secondary Research, and MarketsandMarkets Analysis

According to the <u>Quantum Technology</u> Market: Computing, Communications, Imaging, Security, Sensing, Modelling and Simulation 2018 – 2024, the global <u>Quantum Computing</u> market will grow at a CAGR of 29%. The increasing demand for high performing computing technology in various industries such as Energy, Aerospace & Defence, Banking, Healthcare & Life science, due to its excellent processing power and infinite storage, speed and investment in R&D by industrial giants, <u>quantum computing</u> would drive the market growth through 2024.

More than half of the total market share is accounted for the hardware segment in 2017 and would continue its dominance through 2024. Moreover, the growing investment by investors into start-ups working on quantum computing hardware further contributes to the growth of this segment. However, the services segment would register the fastest CAGR of 34.8% from 2018 to 2024. The software segment would grow at a steady pace during this period. The guantum cloud deployment segment would grow at the fastest CAGR of 34.1% from 2018 to 2024. This is due to the fact that cloud-based deployment model does not involve capital cost and has low maintenance. Also, the users can develop, test, and run their programs on the quantum devices without needing any physical quantum computer. The superconducting sector accounts for the largest market share, contributing nearly one-third of the total market share and will remain the lead revenue contributor through 2025. This is because many industry giants are opting for this technology due to its capability of zero resistance under maintenance of certain temperature. However, the quantum dot segment is likely to achieve the fastest growth of 35.7% from 2018 to 2024. The optimization sector held the largest market share in 2017, and would also remain dominant through 2024. The cyber security sector would grow at the fastest CAGR of 35.8% through this period. The quantum technology market in North America contributed to more than two-fifths of the total market share in 2017 and is anticipated to continue its through 2024. However, Asia-Pacific would grow at the fastest CAGR of 35.9% from 2018 to 2024, owing to vast research in enterprise quantum computing in Asian countries. China is building National Laboratory for Quantum Information Sciences in Hefei worth US\$10 billion, which is anticipated to open by 2020. The market study includes Europe and LAMEA (Latin America, Middle East, and Africa).



The global adaptive optics market is expected to reach USD 7,666.4 Million by 2020, at a CAGR of 99.4% between 2015 and 2020. The military & defence sector was the largest contributor to the overall adaptive optics market, accounting for a share of 56.1% in 2014. The biomedical sector accounted for a share of 21.7% of the market in 2014. The Americas accounted for the largest share of 44.0% of the Adaptive optics market in 2014; it is expected to grow at a CAGR of 94.0% between 2015 and 2020. According to the new market research report on the "Laser Technology Market by Type (Solid, Liquid, & Gas), Application (Optical communication & laser processing), Vertical (Commercial, Telecom, Research, defence, Medical, Automotive, Electronics, & Industrial), & Geography - Global Forecast to 2022", this market is expected to be valued at USD 15.38 Billion by 2022, at a CAGR of 5.2% between 2017 and 2022. The major factors driving the growth of the laser technology market include increasing demand from the healthcare sector and shift towards production of Nano and micro devices, and enhanced performance over the traditional material processing techniques.

The report is a compilation of the existing BCC reports in laser market. The topics analysed within the report include a detailed breakdown and analysis of the global markets for lasers. The scope of this report extends to sizing of the laser market and an analysis of global market trends with market data for various types of devices at global level in 2018, which is being considered as the base year, 2019 as the estimate year and forecast for 2024 with projection of CAGR from 2019 to 2024.

The report focuses on assessment of laser devices, suppliers and an analysis of companies/ manufacturers and the related system providers. Market dynamics such as drivers, restraints, opportunities and challenges are also discussed in the report.

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