



Market Analysis

# International Conference on Semiconductors and Optoelectronics

Larry Coldren

Department of Electrical & Computer Engineering

University of California, Santa Barbara, E-mail: coldren@ece.ucsb.edu

Lexis Conferences is pleased to welcome everyone to attend our forthcoming conference [International Conference on Semiconductors and Optoelectronics](#) which is going to place during November 23-24, 2020 in the beautiful and exciting city of [Miami, USA](#).

[Optoelectronics 2020](#) which aims to provide a platform for optics researchers, scientists, industrialists, policy makers, and academicians to exchange and share their experiences and research results about all aspects of Quantum Computing, Cloud computing, and Artificial intelligence. Wide extension research and companion review at a wide scope of pros around the globe. The key goal of Meetings International is to impart science and medicinal research among the scholarly community, and industry.

The [semiconductors and optoelectronics](#) market was valued at USD 636.63 billion in 2018, and is expected to reach a value of USD 1,001.3 billion by 2024, at a CAGR of 7.89% over the forecast period (2019 - 2024). The trends in photonics, such as lidar or additive manufacturing are rising. Lidar technology has been used for decades to analyze the distribution of gases and pollutants in the atmosphere. It has become a crucial [technology](#) for autonomous driving in recent years.

Details of Optoelectronics 2020:

Conference name	Venue	Dates
<a href="#">Optoelectronics 2020</a>	Miami, USA	November 23-24, 2020

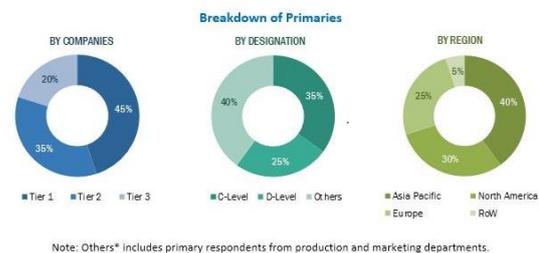
## Market Analysis

The Optoelectronics market was valued at USD 636.63 billion in 2018, and is expected to reach a value of USD 1,001.3 billion by 2024, at a CAGR of 7.89% over the forecast period (2019 - 2024). The trends in photonics, such as Optoelectronics or additive manufacturing are rising. Optoelectronics technology has been used for decades to analyze the distribution of gases and pollutants in the atmosphere. It has become a crucial technology for autonomous driving in recent years.

Singapore’s per capita gross domestic product (GDP) is greater than that of most developed countries, and its economy depends heavily on exports, including consumer electronics, information technology products and pharmaceuticals. Although GDP growth slowed in 2009 as a

result of the global financial crisis, the Singapore economy has begun to rebound in 2010, and the government predicts growth of 3 to 5 percent for the year, according to the CIA’s The World Fact book.

The technology enables exploitation of data in order to sustain business conclusions while maintaining the IT cost down. In addition, it enables companies to leverage platform as a service for application deployment. The technology is mainly deployed by key players in applications such as Google Inc. for Gmail, Drop box Inc. for their Dropbox Storage, Google auto back up, Facebook, Ever note and Skype. The technology is mainly utilized in social media and healthcare sectors as it facilitates the sectors to reduce their capital expenditure by eliminating the cost of IT Infrastructure.



Large organizations makes use of private clouds in order to ensure reliability and security, while the smaller organizations requires public cloud services as they are cost efficient in nature. The conventional IT infrastructure involves developing, testing and deploying applications, which provides high investment as well as underutilization of resources. However, concerns regarding privacy, data access and security are the foremost factors hindering the demand growth over the coming few years.