

(Theme: Recent Trends and Future Technology in Electrical and Electronics Engineering)

## Summary:

Electrical Engineering-2015 welcomes attendees, presenters, and exhibitors from all over the world to Valencia, Spain. We are delighted to invite you all to attend and register for the "Global Summit on Electronics and Electrical Engineering (Electrical Engineering-2015)" which is going to be held during November 03-05, 2015 in Valencia, Spain.

The organizing committee is gearing up for an exciting and informative conference program including plenary lectures, symposia, workshops on a variety of topics, poster presentations and various programs for participants from all over the world.

We invite you to join us at the Electrical Engineering-2015, where you will be sure to have a meaningful experience with scholars from around the world. All members of the Electrical Engineering-2015 organizing committee look forward to meeting you in Valencia, Spain

For more details please visit-<http://electricalengineering.globalsummit.com/index.php>

## Importance & Scope:

Electrical and Electronics Engineering is broad term, mainly it work on components, devices and systems that use electricity and magnetism. In today's scenario the technology is changing day by day and various industries, Research organizations, and governments spending a lot of money on Research & Development to bring new innovations to the world .All the countries are not using the same technology, they have their own R&D .All this changes we cannot put them in the books and teach to the world.

Conferences and meetings is the only platform we can learn and exchange the knowledge. Scientists, engineers, directors of companies, Researches come from different countries and meet at one place exchange the knowledge especially in the field of Electrical and Electronics. New IC's, Nano machines, Nano electronics changing the entire infrastructure becoming more reliable, safety and comfort.

Electrical Engineering-2015 is an international platform for presenting research about Electrical & Electronics, exchanging ideas about it and thus, contributes to the dissemination of knowledge in Electrical & Electronics for the benefit of both the academia and business.

## Why Valencia?

The Valencia region, with its strong economy, expanding network communications and increased investment in research and Development, offers investment opportunities to wide range of sectors. The most dominant sectors presently include logistics and transport, tourism, automotive and compnents, chemical and petrochemical, electronics, ceramics and construction materials, (non-metallic minerals), metallurgy, textile and footwear, printing industry, paper and plastics manufacturing. The Valencia region's industries and enterprises are dynamic, deep-rooted and used to competing with other national and multinational markets.

Competitive Advantages:

Strong Economy

Expanding Network Communications (Motorways, Trains, Ports, Airports)

Investment in Energy Opportunities

Available Industrial Space

Strong Financial Environment

Excellent Services Industry

Growing research and development

Spain is the fifth largest energy consumer in Europe .Liquid fuels are still the largest source of Spain's total energy consumption. It generates a significant amount of power from wind energy, the most of any country in Europe.

J.P. Morgan Asset Management is to invest €100 million euros (\$138 million) to expand capacity and improve intermodal facilities at the container terminal at the port of Valencia on Spain's Mediterranean coast.

EU research Programme: Energy research and innovation Horizon 2020. €79 billion of funding is available for 2014- 2020.

Conference Highlights

Power Electronics

Transformers

Machines and Generators

Power System Analysis

Renewable and Non Renewable Energy Sources

Applications of Electrical & Electronics Engineering

Digital Signal Processing

Control Systems

Semiconductor Technology

Microprocessors

## Why to attend???

Meet Your Target Market with three days of programming, the Electrical Engineering-2015 conference will feature 53 technical sessions, a poster session and keynotes lectures.

It is a platform to meet the eminent persons at one place.

- To meet potential cooperation partners.
- Career options for students.
- Upgrade the latest technology in the field of electrical engineering.

**A Unique Opportunity for Advertisers and Sponsors at this Global event:**

[http://www.omicsgroup.com/conferences/ACS/conference/pdfs/electrical2015\\_Sponsorship.pdf](http://www.omicsgroup.com/conferences/ACS/conference/pdfs/electrical2015_Sponsorship.pdf)

**Who are attending..?**

Electrical Engineering-2015 directed the audience of CEO's, Researches, Scientists, board members, technical directors, project heads and from the various parts of industries as well as those who are involved in Electronic and Electrical manufacturing, Mechatronics ,Research and development , Engineering and design, Technology and Electrical & Electronics engineering.

**Be Part of it!**

This conference is going to focus on all the major aspects in the fields of Electrical & Electronics.

It would be beneficial for all the students who ever willing to enter into the R&D targeting to the respective fields.

**Associations as per TEEMA**

- Brazilian Electrical and Electronics Industry Association.
- Electronic Components, Assemblies and Materials Association.
- The Electrical and Electronics Association of Malaysia.
- Thai Association of Electrical and Electronics Industries.

**Major Associations in Europe**

- Czech and Moravian Electrical and Electronic Association
- French Federation of Electrical, Electronics and Communications Industries
- Association of the Electro Technical Industry of Slovakia

**Universities in Spain**

- Technical University of Madrid
- University of Barcelona
- Polytechnic University of Valencia
- University of Valencia
- University of Malaga
- University of Vigo

**Market Analysis**

The electricity generation sector is essential to meeting modern energy needs. Utilities and other electricity producers transform different types of primary energy – everything from natural gas to coal to wind and hydroelectric power – into electricity to be used in homes and businesses. Through 2040, global demand for electricity will continue to rise steeply, as the fuels used for electricity generation continue to shift to lower-carbon sources, such as natural gas, nuclear and renewables.

Electricity generation is the largest and fastest-growing source of global energy demand –bigger than the amount of primary energy

used in the transportation and residential/ commercial sectors combined. Demand for electricity continues to rise in all parts of the world. Population and economic growth are two main reasons, just as they are for the projected demand growth in other fuels. But with electricity there is an extra factor at work: the switch to electricity from other forms of energy, such as oil or biomass for lighting and heating in the home, or coal in the industrial sector.

Fuels used for electricity generation vary greatly by region; all regions are shifting toward less carbon-intensive sources. Europe already is a leader in this regard. Today, Europe gets about half its electricity from nuclear and renewable fuels. This percentage will rise to nearly 65 percent by 2040, mostly because of strong growth in wind power, which will account for 20 percent of Europe's power by then, up from 5 percent currently.

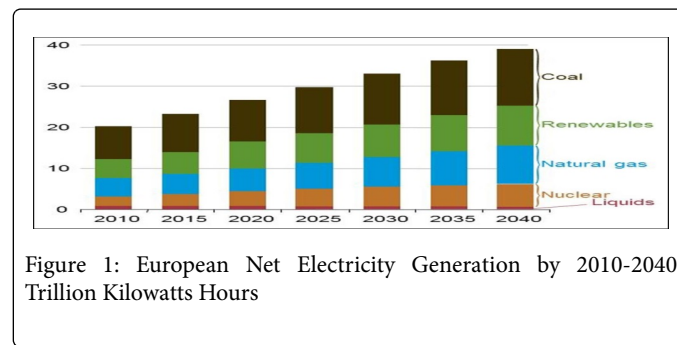


Figure 1: European Net Electricity Generation by 2010-2040 Trillion Kilowatts Hours

Region	Million Euros 2008	Million Euros 2013	Growth(2008-2013)
Total World	1135548	1298226	2.7%
Europe	241229	260489	2%
North America	210349	217986	0.7%
Japan	90419	105399	3.1%
China	78821	110244	6.9%
other Asia-Pacific	81192	114248	7.1%
Rest of the world	73347	90207	4.2%

Table 1: Total Electronics Market by Region 2008-2013, million euros

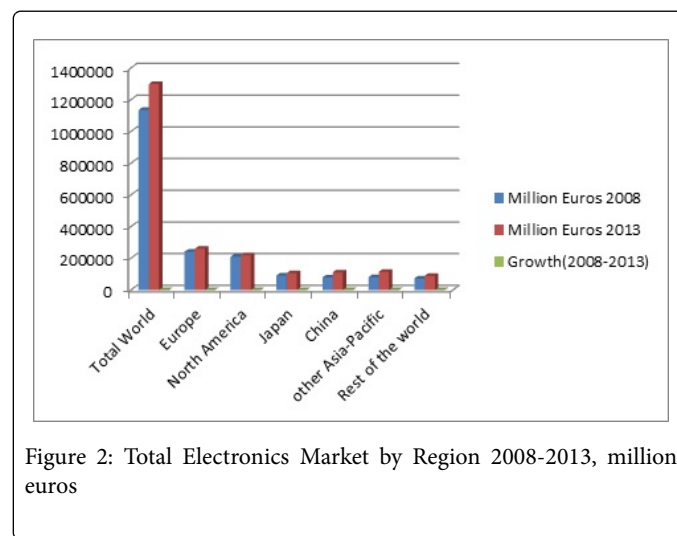


Figure 2: Total Electronics Market by Region 2008-2013, million euros

Region	Million Euros 2008	Million Euros 2013	Growth(2008-2013)
Total World	1135548	1298226	2.7%
Europe	241229	260489	2%
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Total World	1135548	1298226	2.7%
Europe	251124	246724	-0.40%
North America	204317	184900	-2%
Japan	162760	163970	0.10%
China	296607	416070	7%
other Asia-Pacific	184383	244075	5.80%
Rest of the world	36356	42487	3.20%

Table 2: Total electronics, production by region, 2008-2013, million euros

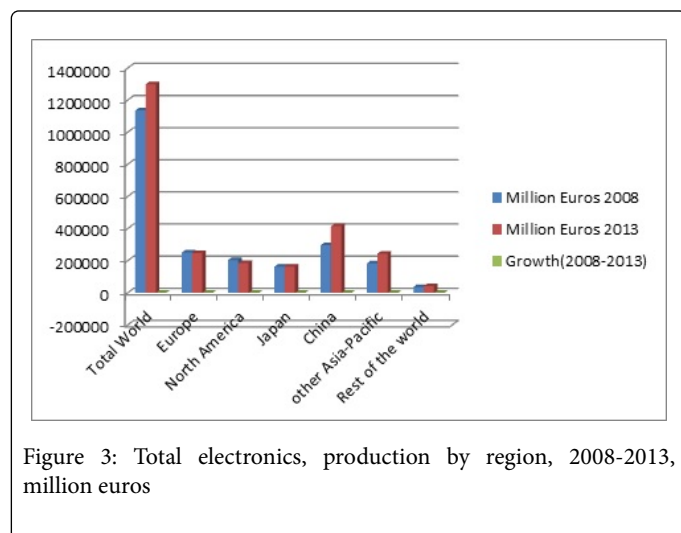


Figure 3: Total electronics, production by region, 2008-2013, million euros

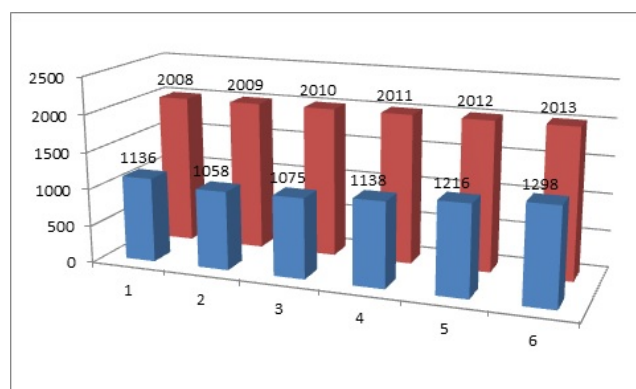


Figure 4: Total electronics world market (billion in euros)

## References

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