

EKC2012

EU-Korea Conference on Science and Technology

2012.7.26-28, Estrel Hotel Berlin, Germany



Industry Forum

Renewable Energy & Green Cars

Industry Forum



The Industry Forum is an event of the EKC2012, which is organized by the Society of Korean Scientists and Engineers in Germany (Verein Koreanischer Naturwissenschaftler und Ingenieure in Germany, VeKNI), the Korean Federation of Science and Technology Societies (KOFST), and the associations of Korean Scientists and Engineers in the UK, France and Austria (KOEAK, ASCoF, KOSEAA). The EKC has been held every year since 2008. It is the largest scientific and technological conference in the EU organized by the Korean associations. This year's Forum will focus on renewable energy and green cars.

The Forum will provide a framework to discuss technical and political aspects of energy and environmental policies, wind energy, photovoltaics, utilization of biomass and green cars. Numerous Korean companies and government agencies have expressed their interest in this Forum. Global Korean companies such as Hyundai, Samsung and POSCO as well as small and medium-sized companies will attend the Forum.

Why attend ?

The Industry Forum of the EKC2012 will bring together a large number of industries and organizations involved in the Korean renewable energy sector. European participants will have the opportunity to meet and network with key players in this increasingly important sector of the Korean economy. The fast growing Korean market can serve also as a gateway for European companies to other Asian markets. The Industry Forum will be a valuable event for companies wanting to venture in to this growing sector.

This Forum is attended by

- Wind turbine manufacturers, manufacturers of photovoltaic installations, component suppliers, biomass utilization companies
- Companies engaged in the operation, maintenance and repair of renewable energy installations, electronic power corporations
- Companies dealing with consulting, project development, construction, financing and insurance of facilities in this sector
- Marine companies, transport & logistics companies
- Government agencies, universities, research institutions

2012.7.25 (Wed)

- **Visit of an Offshore Wind Farm**
- **Visit of Volkswagen**
- **Networking Bar**

2012.7.26 (Thu)

- **Presentation**
- **Joint Exhibition**
- **Networking Bar**

2012.7.27 (Fri)

- **Presentation**
- **Joint Exhibition**
- **Networking Bar**

2012.7.28 (Sat)

- **B2B**
- **Joint Exhibition**
- **Job Fair**

Industry Forum



Wind Energy

Wind energy is a promising industry and a fast-developing market in Korea. The Korean government has started the development of an offshore wind farm which will produce 2,500 MW by 2019. About 7 billion Euros will be invested. Electric power companies, turbine manufacturers, numerous component suppliers, and R&D institutions will cooperate in this complex project. The participation of the world leading Korean ship-building industry will also help to realize the installation of the offshore wind farm.

The Korean wind energy industry is relatively unknown to German and other European wind energy industries. Participation at the forum will be a rare opportunity to gain an insight on the current status of the Korean Wind energy industry and its future projects. This may open new possibilities for cooperation in Korea and Asia.

Photovoltaics

The global PV market has seen impressive growth rates in cell/module production during the past decade. The EU is the largest PV market in the world, and Korea is emerging as one of the promising PV markets of the future. The types of PV systems used in the EU and Korea differ, however, along with other details, such as subsidies, cost factors, and demand for special applications. The long term experience of the German PV industry offers sophisticated, high quality products for all application areas. Cooperation with competitive Korean PV industries - based on the strong semiconductor technology in Korea - will give excellent opportunities for German and Korean industries to enlarge their PV business in the EU and Korea. This session covers key issues of EU and South Korean policies pertaining to PV business, as well as PV development activities and market trends.

Topics

- Wind energy policy & market
- Project finance & insurance
- Turbine design & manufacture
- Substructure, foundation design & production
- Offshore wind turbine Installation & logistics
- Project opportunities & challenges
- IT (CMS etc.)
- Grid connection
- Offshore safety

Topics

- PV policy & market
- PV cell & module
- Materials & components
- Production equipment
- Power & plant System

Industry Forum



Biomass

EU put forward a biofuels directive which supplies 10% of transport fuel with biofuel by 2020. Korea strongly encourages green growth and bioenergy market is expected to grow rapidly in the future. Even though the implementation of bioenergy posed negative issues regarding food shortage and environmental degradation in recent years, bioenergy is expected to play an important role in replacing fossil fuels from transport, regional heating and electricity generation.

In EKC 2012, EU and Korean companies will look back on the past bioenergy business and look forward the future business chances and cooperation in bioenergy such as cellulose ethanol, aviation fuel and solid biomass etc. Additionally, the Forum plans to discuss issues like sustainable feedstock supply without food problems and sustainable process development of bioenergy production.

This Forum will also provide opportunities for EU and Korean companies to discuss policy and business chances.

Green Cars

Worldwide legislation for strict emission control and fuel efficiency standards, as well as consequently growing concerns about public health and global warming are calling for low (or zero)-emission vehicles. Consequently, reducing vehicle emissions is a main concern for major automotive manufacturers. Rapidly growing interest toward green vehicles (clean diesel, HEV, PHEV, EV) enables for governments to put their strong efforts for preparing national strategies. EU also offers many initiative R&D programs to support competitive technology development by the cooperation between industries and academic. Germany would be the country which has best vehicle technologies in almost all area, while Korea has a leading position in lithium-ion batteries and competitive component technologies. Besides many ongoing cooperation activities on batteries between Germany and Korea, various R&D activities on green car technologies could most benefit from an EU-Korea cooperation to achieve a common goal so as to enter the emerging EU and Korean market. This forum will give the opportunity to compare the infrastructure, state of the art technology, related components, policies and initiatives regarding green vehicles in EU and Korea.

Topics

- The status of current biofuel business and future (BD, BE and Aviation fuel)
- Sustainable bioenergy process, bioenergy policy and future market

Topics

- Green cars policy, market
- Clean diesel and hybrid vehicles, electric vehicles, fuel cell vehicles
- Lithium-ion batteries, standard batteries
- Components, electrical systems and materials

EKC2012 - Industry Forum

Registration

Register online at:

http://www.ekconference.org/2012/?page_id=32

Information

Forum Chair: Dr. Seung-Deog Yoo

Cell: +49 179 7920025

E-mail: martin.yoo@kerc.eu

www.ekc2012.org



재독한국과학기술자협회

Verein Koreanischer Naturwissenschaftler und
Ingenieure in der BRD e.V.

www.ekc2012.org