

# Industry Forum

1. Area : Organized jointly with the KOTEF/ISTF to cover the LIFEN areas of the UKC2009.

2. Title : Industry Forum : Trend of Translational Research

### 3. Objectives:

For the technology and the technology management in the field of the translational research, the Industry Forum jointly organized with KOTEF/ISTF is proposed to cover the five areas (LIFEN) of the theme Global Sustainability at the organizational level of the UKC2009. Other interested sponsors such as KOTRA and small/medium level companies are welcome to participate in the organization.

In particular, the subject of the green house gas (GHG) has been known as the direct cause of the global warming which will eventually lead to the destruction of the planet earth, if unabated. The GHG is the by-product of the combustion of fossil fuels, which is still the major source of energy for the mankind. The reduction of the GHG and its control are certainly one of the great challenges that the mankind has faced. Energy is consumed, however, in the form of electric power in our household and most of industries regardless of the energy sources to generate the electric power, regardless of whether they are renewable or non-renewable energy sources. Therefore, the efficiency of the devices or equipment to convert the electric power to useful duties has an additional impact on the sustainability of the civilization of the mankind.

This Forum will provide scientists, engineers, CEOs and governmental officers in both U.S. and Korea with the opportunities to exchange information on the means of contributing to the development of the hardware for practical applications for industries.

### 4. Scope:

To meet the objectives above, the Forum will focus on the systems and processes related with the following fields but not limited to:

- (1) Renewable energies such as solar, bio-energy, fuel cell
- (2) Clean Coal energy (CTL, BTL)
- (3) Energy storage
- (4) LED
- (5) High Efficiency system & components
- (6) Building Energy efficiency
- (7) Waste Heat Recovery
- (8) Green Diesels
- (9) Co2 sequestration/utilization
- (10) Other future energy technologies

The one-day Industry Forum will include the group discussions among a few groups comprising of the participants in Energy Symposiums and Energy Workshop 1 & 2 and other relevant areas, followed by tentative conclusions on potential proposals in the fields that both US & Korea sides may have common interests.

5. Chair of the Forum : Yong Nak Lee, HTRD

Co-Chair : Jane C. Oh, JP Laboratory

Forum Coordinator (to assist the organizers): Kwangwoo Oh