

Workshop on Energy Efficiency and Green House Gas Management (Workshop I)

Objectives

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 Workshop will provide scientists and engineers in both U.S. and Korea with the opportunities to exchange information on the means of contributing to the solution of these important issues.

Scope

To meet the objectives, the Symposium will focus on the following fields but will not be limited to these:

1. IGCC, CCS, Clean fuels (CTL & GTL)
2. Energy storage, LED
3. Other future energy technologies

The one-day Workshop will be divided into the following two categories:

1. Presentations
2. Panel discussions