

## Training Course on

# APPLICATIONS OF FLUID MACHINERY PLANNING AND DESIGNING OF PUMPING STATION AND AIR CONDITIONING

24 - 30 August 2011



## Rationale:

Turbo type pumps play indispensable roles in modern industries ranging from public to various production processes. Needless to say, pump is the most principal equipment in a pump facility; however other equipment such as driver, valve and pipe is also essential. And appropriate control of pumping equipment is required for efficient operation and energy saving. Therefore, proper application of turbo type pumps is important.

Refrigeration equipment is also indispensable in modernization of city, not only air conditioning of buildings but also commercial institution, distribution center, etc. Proper application of refrigeration equipment is required for energy-savings and CO2 reduction.

## Objectives:

The Training Course is intended to enrich capabilities and skills of participants in practical engineering fields through making review on turbo type pump and chiller technology, studying essentials applications including design point, control and energy saving methods in operations.

Organized by  
AIT Extension,  
Asian Institute of Technology



**AIT Extension**  
Professional Education For Capacity Building



Implemented by  
EBARA Hatakeyama Memorial Fund  
In cooperation with EBARA (Thailand) Ltd.

## Application Information

To participate in this course, the applicant should take into account his/her academic qualifications, professional experience and likely benefit of the course to the applicant and affiliated organization. Proficiency in English language is essential.

Limited numbers of scholarships from the EBARA Hatakeyama Memorial Fund which covers tuition fee and accommodation at AIT for foreigners will be offered to qualified applicants from **Bangladesh, Cambodia, India, Lao PDR, Myanmar, Nepal, Philippines, Sri Lanka, Thailand and Vietnam. The International/Domestic travel to and from Bangkok and per diem shall be born by each applicant.**

The scholarships will be awarded to nominated trainees selected by the Steering Committee consisting of implementing bodies. In the event that a nominee is accepted for the scholarship, he/she will be notified accordingly.

Application with supporting documents such as a brief CV stating qualifications, proof of English proficiencies if available, a brief description on your activities for energy conservation for fluid machinery and air conditioning system, etc. must be received by AIT Extension not later than **31 July 2011**. Application Form accompanying this brochure may be duplicated as needed.

## Topics covered:

- ◆ Essential of Pump Technology,
- ◆ Applications in Irrigation and Drainage,
- ◆ Operating Condition and Control Method,
- ◆ Control Method for Energy Saving,
- ◆ Essential of Chiller Technology,
- ◆ Applications in Air Conditioning and Co-generation System,
- ◆ Introduction of Environmental Technology

## Date and Venue:

24 – 30 August at Asian Institute of Technology.

## Course methodology:

The training course comprises of lectures in English, case studies and workshops, video presentation, country reports and site visits to energy related facilities.

## Resource persons:

The lecturers are drawn from expert resources of EBARA Corporation, Japan, specializing in engineering and manufacture of fluid machinery and refrigeration system and Faculty of the Asian Institute of Technology.

*Further inquiries on this course and other programs and services can be addressed to:*

The Admissions Officer  
AIT Extension  
Asian Institute of Technology  
P.O.Box 4, Klong Luang  
Pathumthani 12120  
Thailand

Tel.No. (66-2) 524-5237, 524-5338  
Fax No. (66-2) 524-6332  
e-mail: worawan@ait.ac.th  
<http://www.extension.ait.ac.th>

## ASIAN INSTITUTE OF TECHNOLOGY (AIT)

AIT is an autonomous, international institute established in 1959 to help meet the growing need for advanced engineering education in Asia. Since that time AIT has become an active partner in the promotion of technological change and development in the Asia-Pacific Region through higher education, training and research. Academic program at AIT are conducted at the doctoral, master, diploma and certificate levels by three schools: School of Engineering and Technology, School of Environment, Resources and Development, and School of Management.

The AIT Extension adds an exciting new dimension to AIT's work in the region. Bringing together the Institute's highly-regarded academic and outreach centers, Extension identifies and responds to regional opportunities for continuing education, training and consultancy, and thus helps realize AIT's mission to develop highly qualified and committed professionals who will play a leading role in the sustainable development of the region and its integration into the global economy. Extension is an innovative and responsive provider of a broad array of capacity building programs and services.

## EBARA HATAKEYAMA MEMORIAL FUND

The EBARA Hatakeyama Memorial Fund was founded in 1989 by EBARA Corporation, Japan. Its aim is to provide voluntary activities for international cooperation in Southeast Asian countries through technology transfer on non-commercial basis.

## EBARA CORPORATION

EBARA Corporation has long been known as a world leader in engineering and manufacture of fluid machinery and related systems incorporating these products. It is also at the forefront in the fields of environmental protection and resources recycling engineering as well as renewable energy applications, thereby its advanced technologies in water and air pollution prevention, wastewater treatment, solid waste management and new energy systems continue to find customers in need worldwide.

## EBARA (THAILAND) LTD.

Ebara (Thailand) Limited was established in July 1993, for sales and engineering of Ebara technologies and products. Ebara has a long history in Thailand and it started in 1964 as a representative office. Ebara has many supply and installation records for public and industrial works in Thailand.