

Invitation of Asia Biomass Energy Researchers Invitation Program 2010

Asia Biomass Energy Cooperation Promotion Office

1. Background and Purpose

The second East Asia Summit (EAS) was held in January 2007 and “Cooperation Initiative for Clean Energy and Sustainable Growth” was presented in the Summit. Based on the initiative, Research Core for Asian Biomass Energy (ABECORE) and Asia Biomass Energy Cooperation Promotion Office (Asia Biomass Office) have been established in the National Institute of Advanced Industrial Science and Technology (AIST) and New Energy Foundation (NEF) respectively to cooperate practically and effectively with participating countries of EAS in the biomass energy sector. Asia Biomass Office and ABECORE are jointly carrying out Invitation Program started in FY2008 that invites researchers from EAS countries to promote their research activities in each country.

2. Program Description

Asia Biomass Office and ABECORE are working collaboratively to implement Researchers Invitation Program, contacting with research organizations in EAS countries. And in order to expand a research work area in the program, applicants may propose new research subjects and/or also additional research institutions in Japan.

Program outline is,

(1) Subjects of Joint Research

In FY2010, following biomass energy research works are planned. Contents of each work are as follows.

i. Biofuel Production

- Sustainable Utilization and Production Technology of Biofuel for Asian Countries -
Research and development of Asian bioresources and biofuel are conducted in this program. Biomass conversion process such as bioethanol and BTL production technology are focused by the total systemization that has both economical and environmental advantages.

ii. Quality Control and Standardization



- Quality Standards, Quality Control and Distribution Management of Biofuel -
Asian standard of biofuel that should not give adverse effect to existing engines are studied for the effective distribution in this area. The purpose of this study is to realize stable transportation and industrial infrastructures in Asian countries.

iii. LCA

- Environmental and Socio-Economic Impact Assessment of Biofuel -
For the effective use of biomass resources in Asian countries, studies of the utilization systems best suited to each region are conducted. This study aims to develop and operate evaluation technologies related not only to environment problems but also to the socio-economic aspect, and the biomass related data are collected and shared.

iv. Applicant Option

Open subjects outside the fixed three work area i, ii and iii are welcome. Applicant can propose a specific research subject.

(2) Host Institution in Japan

Asia Biomass Office invites researchers and takes care of total program. The following institutions receive researchers and conducts joint research programs.

- i. ABECORE in AIST Tsukuba or Hiroshima
- ii. Other research institutions (universities, governmental/local institutes, private companies, etc.)

(3) Period of Research and Sponsorship

- i. Program is conducted during fiscal year 2010. (From April 2010 to March 2011)
- ii. Time frames depend on specific research subject. Mainly three (3) and six (6) months are expected.
- iii. The invitation of researches should start in July 2010. The actual date depends on the amount of time for visa acquisition.
- iv. Expenses of travel to/from Japan, business trip and living in Japan are provided by Asia Biomass Office in NEF.

(4) Eligibility Requirements

Applicants should,

- i. Have been involved in biomass energy research and belong to organizations such as universities, institutes, and private companies in EAS countries.



- ii. Have been involved in biomass energy over five years or having equivalent background (carriers in master's course can be included).
- iii. Have sufficient Japanese or English language ability to communicate and conduct research activities.
- iv. Have an endorsement from the principal of belonging organization.
- v. Have good health condition to participate in research program in Japan.
and
- vi. Sending organization keeps support for applicant(s) during dispatch.

(5) Number of Invited Researchers

About 20 researchers will be invited in FY2010.

(6) Application Procedure and Time Limit

Applicant should fill the application form that can be downloaded from home page of Asia Biomass Office in NEF. Application in paper copy with signatures and official stamp must be received at NEF by May 10th, 2010 at the latest. Airmail or express courier is highly recommended.

At the same time of sending the application in paper copy, applicant should send the MS-Word or PDF file with/without signatures and official stamp to the Asia Biomass Office via inquiry screen (<https://neps.nef.or.jp/inquiry/>) in the Web-site "Asia Biomass Office".

(7) Screening and Result Notification for Applications

- i. Applicants are examined by the Joint Screening Committee of Asia biomass Office and ABECORE on the basis of background and adaptability to research subject in AIST or other organizations. Contact and hearing from Screening Committee to applicants may be held as necessary.
- ii. The result will be sent to each applicant by early June 2010.

Contact

If you have questions, please contact to inquiry in "Asia Biomass Office" (<https://neps.nef.or.jp/inquiry/>).

Postal Address (Application should be mailed to)



New Energy Foundation
New Energy for New Life

ASIA BIOMASS OFFICE

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