

**Invitation of
Asia Biomass Energy Researchers Invitation Program 2009
(2nd call)**

Asia Biomass Energy Cooperation Promotion Office

This is the second call of applications for Asia biomass energy researchers invitation program 2009 that have been executed in April 2009. In case of application, please be careful of time limit.

1. Background and Purpose

Research Core for Asian Biomass Energy (ABECORE alias ABERC) has been established in the National Institute of Advanced Industrial Science and Technology (AIST), based on “Japan’s Cooperation Initiative for Clean Energy and Sustainable Growth” that was presented at the second East Asia Summit (EAS) held in January 2007.

This establishment has been welcomed at the joint ministerial statement of the First East Asia Summit Energy Ministers Meeting.

With this background, Asia Biomass Energy Cooperation Promotion Office (abbreviated as “Asia Biomass Office”) has been setup in New Energy Foundation (NEF) to cooperate practically and effectively with participating countries of EAS in the biomass energy sector. Asia Biomass Office in NEF and ABECORE in AIST are jointly carrying out Invitation Program started in the last fiscal year that invites researchers from EAS countries to promote their research activities in each country.

2. Program Description

Asia Biomass Office in NEF and ABECORE in AIST 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 also additional research institutions in Japan.

Program outline is,

(1) Subjects of Joint Research

In FY2009, following biomass energy research works are planned. Contents of each works 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 and Energies -
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

NEF and AIST are working collaboratively and sharing tasks as follows.

- i. Asia Biomass Office in NEF invites researchers and takes care of total program.
- ii. ABECORE in AIST receives researchers and conducts joint research programs in their laboratories located in Tsukuba or Hiroshima.

(3) Period of Research and Sponsorship

- i. Program is conducted during fiscal year 2009. (From April 2009 to March 2010)
- ii. Time frames depend on specific research subject. Mainly three (3) or four (4) months are expected for the 2nd call.
- iii. The invitation of researches for the 2nd call should start in November 2009. The actual date depends on the amount of time for visa acquisition.
- iv. Expenses of travel 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 4 researchers will be invited as 2nd call.

(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. After filling all of the required subjects and apply signatures of applicant and confirmation of the belonging organization, send it to NEF in paper copy via postal mail. Airmail or express courier is highly recommended.

Application in paper copy with signatures and official stamp must be received at NEF by October 2nd, 2009 at the latest.

And for advance information, send MS-Word or PDF file by e-mail with/without signatures and official stamp. The e-mail should be sent to the Asia Biomass Office shown below at contact information.

(7) Screening and Result Notification for Applications

- i. Applicants are examined by the Joint Screening Committee of Asia biomass Office in NEF and ABECORE in AIST on the basis of background and adaptability to prepared research subject in AIST. Contact and hearing from Screening Committee to applicants may be held as necessary.
- ii. The result will be sent to each nominee by end of October 2009.

Contact



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If you have questions, please contact to, “Asia Biomass Office” in New Energy Foundation, <http://www.nef.or.jp/biomass/english.html> and there described how to contact.

Postal Address (Application should be mailed to)

ASIA BIOMASS OFFICE

NEW ENERGY FOUNDATION

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