



Green Energy for Low Carbon Society

6th – 20th May 2019

Closing date for application : 28 February 2019

TICA : Thailand International Cooperation Agency

is a national focal point for Thailand's international development cooperation. TICA was established in 2004 to realize Thailand's aspiration to be a contributor of development cooperation. Believing that global challenges are best addressed by international cooperation and global partnership, today we continue to strengthen our contribution to achieve global development agenda through various capacity-building and human resources development programmes. In response to the recent changes in the global landscape of development cooperation, especially through the concept of South-South and Triangular Cooperation, TICA continues to realign our focuses in order to deliver Thailand's commitment to be a relevant partner in global agendas including the 2030 Agenda for Sustainable Development.

AITC : Annual International Training Course

was initiated in 1991 as a framework in providing short-term training for developing partners. Today, the AITC remains one of TICA's flagship programmes. It offers not only a training experience, but also a platform in exchanging ideas and establishing professional network among participants from across the developing world. Aiming at sharing Thailand's best practices and experience to the world, the AITC training courses focus on development topics of our expertise currently categorized under five themes namely; **"Sufficiency Economy Philosophy"** or SEP, **Food Security, Public Health, Climate Change,** and **Other topics related to Sustainable Development Goals (SDGs).**

Faculty of Engineering,

Chiang Mai University

Faculty of Engineering, Chiang Mai University (<http://www.eng.cmu.ac.th>), especially Mechanical Engineering Department, is one of leading organizations in Thailand that has a lot of experiences in the field of renewable energy. Some innovative outputs of the research study have been implemented and utilized in many organizations. A lot of technologies have been transferred and prototypes on renewable energy are also available for the training. In addition, all of the course coordinators and lecturers in the training course have a lot of experiences and they have strongly involved in renewable energy technologies for many years.

AITC Theme : Climate Change

This training course falls under the AITC theme – "Climate Change". We believed that Climate Change is one of the most serious and pressing global challenges with momentous consequences if left unattended. Therefore, strengthening resilience and adaptive capacity to climate-related hazards and natural disasters is crucial to sustainable future. The AITC courses under the theme "Climate Change" are part of Thailand's commitment to work with the international community to achieve SDG goal # 13 on Climate Action.

Course Objectives

This training course aims at sharing knowledge and experiences on the application of methods and tools for climate change adaptation. The objectives are consisted of;

- To exchange and transfer technologies on renewable energy to the participants.
- To share experiences on renewable energy to generate green energy concept for community or low carbon society
- To initiate a collaboration network across countries on green energy for community or low carbon society.

Assignment and Evaluation

- In-class participation.
- Submission and presentation of “Country Report”.
- Attendance - Participants are required to attend all activities organized during the course. TICA reserves the rights to revoke its fellowship offered or take appropriate action in case a participant is in attendance of less than 90 percent of the training hours.

Course Methodology

Training methodologies to be used during this training course include;

- Lecture
- Workshop
- Practical Exercise
- Field Visit

Course Outline

This training course will be performed into lectures (theory and practice) and field trips. The lecture contents will cover solar energy such as solar thermal and solar photovoltaic applications; biomass energy such as biodiesel and bio-oil refinery, bio-oil and bio-char under pyrolysis. For the field trip, the participants will see the experiences on solar energy, biomass, and biogas from the real practices in some communities. The topics of the lectures are such as;

- Energy Situation and Status of Renewable Energy in Thailand
- Calculation of Solar Heat from Solar Collector
- Enhancement of Solar Water Heating System
- Solar Photovoltaic for Air-Conditioning
- Study on Biodiesel Production under Electric Field and Bio-oil Upgrading by Catalytic Cracking

Participant Criteria

Candidates must possess qualifications as specified in “Guideline for Thailand’s Annual International Training Course Programme” No. 2 “Qualifications” as well as as well as following qualifications;-

- having an understanding of an involvement in at least one topic of renewable energy such as solar energy, biogas or bio fuels, etc.
- Less than 40 years old of age.

Application

- Candidates must be nominated/ endorsed by their respective governments of the eligible countries/territories by the closing date for application.
- Complete nomination documents must be submitted to TICA through the Royal Thai Embassy/ Permanent Mission of Thailand to the United Nations/Royal Thai Consulate-General accredited to eligible countries/ territories.

(See “List of Eligible Countries” for more information)

- Asia-Pacific Region countries

Selection and Confirmation

- Particular attention shall be paid to the candidates’ background, their current position, and practical use they expect to make of the knowledge and experience gained from training on the return to their positions.
- Selection of participants is also based on geographical distribution and gender balance.
- Successful applicants will be informed approximately 4 weeks before the beginning of training course.
- Successful applicants must return duly completed and signed acceptance form by the deadline to confirm their participation in the programme.

Number of Participants

20 participants

Terms of Awards

AITC Training Fellowship* include training fee, return economy-class, airfare, accommodation, allowance, insurance, airport transfer and social programme.

* Subject to rates and conditions established by TICA

Training Institution and Venue

Faculty of Engineering,
Chiang Mai University,
Chiang Mai,
Thailand.

Contact

Bureau of International Cooperation on Human Resource
Development
Thailand International Cooperation Agency (TICA)
Government Complex, Building B, 8th Floor, Chaengwattana Rd.
Laksi District, Bangkok 10210 THAILAND.
Website: www.tica.thaigov.net
Email: aitc@mfa.go.th

For more information on qualifications, application forms, and application procedures, please visit our website at <http://www.tica.thaigov.net/main/en/information/73803-Annual-International-Training-Course.html>

Follow us on



<http://www.tica.thaigov.net>



Facebook ID : TICA Fellowship and Alumni

<https://www.facebook.com/TICAalumni>
