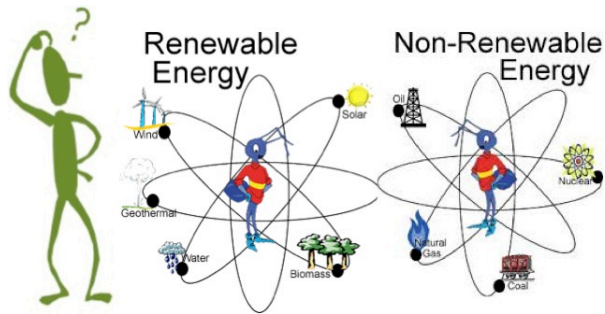


# Arab-European Summer School on Energy Education

(AESSEE)



19 – 31 October 2015  
Vienna University of Technology  
Atominstut  
Vienna, Austria



(First Circular)

*Last updated: 1. August, 2015*

## About AESSEE

Education is the main key to change the situation in emerging countries; however, schools are overcrowded, tools for experimental training and practical skills are lacking or altogether missing, and teachers' motivations are absent. If we want to make a change, we have first to start with schools, and accordingly with teachers.

Through the summer school and real cooperation, this program is unique in that it bridges the gap and moves the situation forward so as to positively change the situation of energy education and related technologies. We plan to organize the first Summer School for 20-25 participants, each representing a different school; therefore, the benefit is to be reflected to at least 25,000 students. This is the first step.



## Scientific program

(2 weeks, 70h)

### Topics:

- Wind -/Geothermal- /Hydro-power
- Solar energy
- Bio- energy
- Energy storage
- Economic of energy sources
- Energy efficiency / Energy conservation
- Practical measurements: PV-modules
- History of nuclear science
- Technology and safety of NPP
- Nuclear accidents
- Non-proliferation and nuclear treaties
- Principles of radiation protection
- Nuclear medicine - radiation therapy
- Practical measurements: radiation detectors

AESSEE is organized for Arabic speaking countries, which are members of the Arab-League, so to facilitate a more efficient program and teamwork without language barriers if we will receive a suitable invitation and the necessary technical and financial support, it is possible to organize the school at one of the Arab countries during summer 2016.

### Important Dates

Registration:	01.06 - 21.08.2015
Invitation letters:	28 August
Welcome Reception:	18.10 (18:00 - 20:00)
Closing Ceremony:	30.10 (18:00 - 21:00)

### language

Official language: English

## General objectives

Improve the scientific and environmental skills of technical and secondary schools teachers in regard to renewable /non-renewable energy.

Teachers will be in direct contact with international organizations and experts from Austria and EU.

Provide the opportunity to work in an international team to solve problems and develop educational programs while reducing costs through cooperation.

Develop programs for optimal use of available resources and multimedia on the Internet after adaptation to the national language & curriculum.

Prepare and support students for higher education and careers in the field of energy and related technologies.

Help teachers to set-up a platform via the Internet for those teachers and students working on energy education and outreach programs.

Practical experience with modules and laboratory kits provides teachers with the necessary skills to use such facilities in schools for further development and efficient education.



The Arab-European Summer School will be held at Atominstitut, TU, Vienna, Austria

### Fee

Students 500 €

The registration fee includes the following:

- Welcome reception
- Participation in all sessions
- Print materials/Excursions
- Gala Dinner /Coffee Breaks

### Who should attend?

- Teachers (i.e. Secondary Technical Schools)
- Interested scientists from universities
- Students (Education, Science, Energy, etc.)

### Financial support

A financial support is possible. To be selected, the participants should send their CVs and a short proposal (300-400 words) about "Initiatives to improve energy efficiency and renewable energy culture".

Based on the CVs and the provided proposals, some candidates (max. 3 from each country) will get financial support (up to 2200 €+ participation fee) to cover a part of their travel and accommodation expenses.

# AESSEE

## Arab-European Summer School on Energy Education

Welcome to Vienna  
(<http://www.wien.info/en>)

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### Chairmen

Prof. Saleh Ismail

Prof. Helmuth Böck

Prof. Johann Summhammer

### Registration

Please send your registration by Email:

[office-aessee@ati.ac.at](mailto:office-aessee@ati.ac.at)

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