



TÜRKİYE BİLİMLER AKADEMİSİ
TURKISH ACADEMY OF SCIENCES

SUMMER SCHOOL ON NEW ENERGY TECHNOLOGIES

August 18-25th, 2024

Turkistan/ KAZAKHSTAN



About the Organizers

The International Turkic Academy is an international organization that promotes scientific cooperation among Turkic states and carries out various projects and activities in this context. Its headquarters is located in Astana, the capital of Kazakhstan.

Hoca Ahmet Yesevi International Turkish-Kazakh University is an international, autonomous, joint state university of the Republics of Türkiye and Kazakhstan. More than 12 thousand students study in 10 faculties and 1 college and more than 900 academic staff work at Hoca Ahmet Yesevi University.

The Turkish Academy of Sciences (TUBA) is an autonomous apex body for the development and promotion of sciences in Türkiye. TUBA is the only national academy in Türkiye and it comprises all fields of sciences which are grouped under three categories namely a) basic and engineering sciences, b) health and life sciences, and c) social sciences and humanities. TUBA contributes to the promotion of sciences through its working groups, grants and awards, scientific reports and collaboration with sister academies in the world.

Theme and Objectives:

The theme of the summer school is centered around teaching and discussing various energy technologies, with a focus on both traditional and modern approaches. The program aims to provide participants with a comprehensive understanding of the latest advancements, challenges, and opportunities in the field of energy technologies. It also suggests a grounding in essential principles and established methods of energy production as well as interest in innovative and sustainable solutions to meet future energy demands.

The summer school is promising as it has a potential to inspire new approaches to energy production, management, and sustainability, encouraging participants to contribute to the development of future energy solutions.

To this end amongst others, themes to be covered are:

- Fundamental Principles and Concepts in Thermodynamics
- Traditional Energy Sources
- Nuclear Energy
- Renewable Energy Sources



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- Hydrogen Energy Technologies
- Waste to Energy Options
- Economic and Social Dimensions of Energy
- Smart Grid
- Energy Policies and Strategies
- Environment and Sustainability Dimensions of Energy

Program Format:

The summer school will consist of daily classes for five days, before and after noon, and also include social programs. All courses will be given in English.

Venue:

The summer school will be held at Hoca Ahmet Yesevi International Turkish-Kazakh University in Turkistan, Kazakhstan.

Lecturers:

The lectures will be delivered by a group of internationally renowned academics from Turkic States. The final program will be sent to the participants directly after the application evaluation is completed.

Participants:

The program is designed for participants who are under the age of 35 and come from Azerbaijan, Bosnia-Herzegovina, Kazakhstan, Kyrgyzstan, North Macedonia, Kosovo, Albania, Jordan, Montenegro, Mongolia, Uzbekistan, Türkiye, Turkmenistan and Turkish Republic of Northern Cyprus. The summer school is designed for doctoral students and post-doctoral researchers who have experience and interest in the field of energy. The maximum number of students to be invited is 30. At the closing ceremony, certificates will be awarded to the participants.

Expenses:

As a result of the evaluations by the selection committee, full scholarship will be granted for 30 participants who are accepted to the summer school program. Travel and accommodation expenses will be provided by the organizers. In addition, each participant will be required to pay for their own health insurance before their flight tickets are purchased. The flight ticket will be sent free of



charge to each participant. (However, if free ticket owners do not attend the summer school, the cost of the ticket will be requested from them.)

For Enquiries and Application:

Applicants will be asked to submit the application form attached and return the form together with curriculum vitae, letter of motivation describing their purpose in attending the summer school and a letter of reference. Criteria for applications are that participants should have a good basis in the discipline of energy and a good command of the English language.

Required Documents:

- A fully completed application form (Please use form on the first page for application.)
- A copy of the applicant's passport (Passport photo page only)
- A copy of the last degree obtained (If the applicant is still a student, proof of studentship is needed.)
- A 250-300 word statement of purpose addressed to the selection committee
- A letter of reference (It can be obtained from the academy of science of the applicant's home country, from the faculty members working at the university where the applicant is studying, or from Hoca Ahmet Yesevi University, International Turkic Academy or Turkish Academy of Sciences as stakeholders of the summer school.)

Applicants are expected to have proficiency in English as the medium of instruction at the Summer School is English.

Please send digital forms of all original documents in full to summerschool@tuba.gov.tr
Incomplete applications will not be accepted.

The deadline for submission of required documents:

July 5th, 2024

For enquiries, please contact summerschool@tuba.gov.tr