



**Arab Atomic Energy Agency
League of Arab States**



**Atomic Energy Authority
Arab Republic of Egypt**

14th Arab Conference on the Peaceful Uses of Atomic Energy

Organized by

Arab Atomic Energy Agency

in Collaboration with

Egyptian Atomic Energy Authority

Sharm El-Sheikh, Arab Republic of Egypt

16 – 20/12/2018

Scientific research in peaceful atomic energy applications is the fundamental pillar of the "2020 Arab strategy for peaceful uses of nuclear energy" which was developed and adopted by the Arab Atomic Energy Agency (AAEA) to create a socio-economic and industrial development in the Arab world.

The Arab conference on peaceful uses of atomic energy is one of the AAEA's ongoing projects for the development of human resources in the Arab countries, the links strengthening between Arab researchers and the accumulation of nuclear knowledge.

In this context, the Arab Atomic Energy Agency organizes the fourteenth Arab conference on the peaceful uses of atomic energy in cooperation with the Egyptian Atomic Energy Authority in Sharm El-Sheikh city - Egypt, during the period of 16 - 20 December 2018.

Sessions of the conference include scientific papers, as well as specialized lectures from Arab and International experts treating the fields and themes of the conference.

Conference Themes

- 1 - Basic nuclear sciences (Physics -Chemistry – Biology)
- 2 - Nuclear accelerators (Technologies - Applications)
- 3 - Research reactors & nuclear power reactors (Technologies - Applications – Nuclear Fuel Cycle)
- 4 – Radioisotopes technologies & Applications (Production of radioisotopes & labelled compounds - Nuclear medicine & radiotherapy – Pharmaceutical applications - Soil fertility – Hydrology & water resources management - Plant & animal production - Pest control - Food preservation – Identification of irradiated food - Radiation treatments – Industrial applications - NDT).
- 5 - Material sciences (Nuclear materials & ores - Nanotechnologies - Neutron activation - Radiochemical analysis - Mosbauer spectra - Improving properties of materials).
- 6 – Atomic Technologies in environmental studies (NORM - Environmental pollution – Identification of radioactive contaminated goods - Environmental impact assessment).
- 7 - Nuclear safety & security (Control procedures - Radiation protection - Radioactive waste management - Risk assessment - Dosimetry - Physical protection of nuclear materials & nuclear facilities - Nuclear & radiological emergencies - Nuclear & radiological law).
- 8 - Nuclear knowledge management, information policies and popular acceptance of nuclear energy.

The conference is open to participants from the Arab atomic energy authorities, universities, ministries and Arab institutions concerned with nuclear applications and nuclear regulatory authorities.

The papers are accepted in the conference according to the following process :

- 1- Application for participation in the conference must be sent no later than 15/05/2018 accompanied by a copy of the scientific paper **and an electronic copy of the participant's passport for non Egyptians**, via the e-mail of the conference.
- 2- A scientific committee will select the accepted papers in accordance with reviewers' recommendations and the opinions of its members. The participants will be informed about the committee's decisions by 3/9/2018.
- 3- The travel expenses of participants are covered by their countries. However, AAEA could contribute to travel expenses of a limited number of participants with accepted papers who are unable to secure their travel expenses by their own countries.
- 4- The Egyptian Atomic Energy Authority will cover internal transfers, including from and to the airport, the cost of accommodation and lunch meals for the duration of the conference to participants with accepted papers.
- 5 - The participants by attendance only without submitting a paper will bear the costs of their travel and accommodation.