

AFRIRPA04



AMR

Moroccan Radiation Protection Association

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Organize

The Fourth Regional African Congress of International Radiation Protection Association

Main Theme :

Strengthening of radiation protection infrastructures in support to the health sector in Africa

*AFRIRPA 04
13-17 September 2014
Rabat - Morocco*



First announcement

The Moroccan Association of Radiation Protection (AMR) has the great pleasure to invite you to the 4rd African Regional IRPA congress (AFRIRPA04) to be held on 13-17 September 2014 in Rabat, Morocco.

Africa is facing a rapid growth in the use of nuclear techniques in various socio-economic sectors: medicine, industry, agriculture, research & training, etc.

Most of the African countries have now their own nuclear legislation. Scientists and professionals involved in the use of nuclear techniques are aware of a possible misuse of these helpful techniques and their potential harmful effects. Therefore, they have tried to harmonize their activities in the field of radiation protection through the creation of national, regional and international associations.

Medical sector is the most important user of ionizing radiation in Africa. Many hospitals have radiodiagnostic, nuclear medicine, interventional radiology and radiotherapy departments and then a huge part of the population, either professionals or patients are concerned by radiation protection.

The previous Regional IRPA congresses were held in South Africa (2003), Egypt (2007) and Kenya (2010).

Considering the importance of ionizing radiation in the medical sector, AMR and its partners have chosen as main theme for AFRIRPA04: " Strengthening of radiation protection infrastructures in support to the health sector in Africa". Beyond that AFRIRPA04 will also enable scientists and professionals to discuss and exchange their expertise on radiation protection in all fields involving the application of ionizing radiation.

All stakeholders of this congress (international, regional and national associations of radiation protection; physicians; physicists; individuals...) are kindly invited to contribute to this AFRIRPA04 by submitting their abstracts and by an active participation to improve and to enhance the quality of radiation protection in Africa.

In collaboration with (as per July 2013)

- IAEA - International Atomic Energy Agency
- WHO - World Health Organization
- UNSCEAR - United Nations Scientific Committee on The Effects of Atomic Radiations
- IOMP - International Organization of Medical Physics
- FAMPO - Federation of African Medical Physics Organizations
- Egyptian Society of Nuclear Science & Applic., Rad. Prot. Group
- Eastern Africa Association for Radiation Protection
- ANARAP-MAD - Madagascar Radiation Protection Association
- Southern African Radiation Protection Society
- Tunisian Society of Biophysics and Medical Imaging
- Centre National de Radioprotection, Tunisie
- AIGAM - Association des Ingénieurs en Génie Atomique du Maroc
- CNESTEN - Centre National de l'Energie, des Sciences et Techniques Nucléaires, Maroc
- CNRP – Centre National de Radioprotection, Maroc
- AMPM – Association Marocaine de Physique Médicale

Topics:

Particular emphasis will be given to radiation protection issues in the health sector:

- Biological effects of radiation (*molecules, cells, tissues & organs; effects on embryo/fetus*)
- Radio-epidemiological studies (*including studies in high background radiation areas*)
- Modeling of radiation exposures
- Radiation protection standards
- Dosimetry (*external, internal, and biological dosimetry*)
- Development of National and Regional RP infrastructures
- Radiation protection equipment in Africa
- Safety and security of radiation sources in health care settings
- Occupational exposure
- Radiation measurement and dose calculations
- Radiation Protection Infrastructure and Training
- Radon in workplaces and homes
- Public exposure
- Industrial applications
- RPP involving NORM and consequences of environmental radioactivity in mining
- Radiation, transport and Waste Safety and security
- Protecting public from radiological attacks
- Safety and security measures in connection with nuclear accidents
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