The first Conference on Clinical Nuclear Medicine and Medical Physics in the African region will be organised by the Sudan Atomic Energy Commission (SAEC), in Khartoum, Sudan, **16-17 February 2008**, in cooperation with the IAEA through the African Regional Cooperative Agreement (AFRA) projects RAF/6/030 on “Diagnosing Diseases Using Clinical Nuclear Medicine” and RAF/6/032 on “Promoting Regional and National Quality Assurance Programmes for Medical Physics in Nuclear Medicine”.

This Conference is intended to review the current status of clinical nuclear medicine implementation in AFRA countries with emphasis on SPECT imaging, to augment recognition of medical physics in nuclear medicine and its benefits for quality nuclear medicine services, and to sensitize national authorities to support nuclear medicine and medical physics as an integral component of the national plans for management of cancers, cardio-vascular diseases and other metabolic disorders.

Nuclear medicine techniques provide unique physiologic information in early diagnosis of diseases while being non-invasive as well as cost-effective. It also provides effective therapeutic results in a limited number of diseases. There is a significant increase in the number of nuclear medicine investigations and procedures in Africa. The conference will therefore focus on the following themes:

- Current status of clinical nuclear medicine in Africa with emphasis on SPECT imaging in cardiology and oncology.
- Therapeutic application of nuclear medicine.
- Local production of diagnostic and therapeutic radio-pharmaceuticals.
- Medical physics in nuclear medicine in Africa and ways to promote its recognition.
- QA/QC in nuclear medicine practice.

Representatives of African national nuclear medicine institutions and health authorities are cordially invited to attend the Conference and present the status of nuclear medicine SPECT imaging and medical physics management, implementation, achievements and obstacles.
observed, and suggest means for further strengthening national and regional capabilities, and potentials for adoption of harmonized standards in African countries.

The working language of the Conference will be **English**.

Participants are cordially invited to attend the Conference and to present scientific papers. All contributions to the Conference will be peer reviewed and eventually published in the AFRA proceedings through the AFRA Website. Authors are requested to submit their abstracts (1 page A4, times new roman 12, single line spacing) by email, on diskette or CD, not later than **30 November 2007** to:

Prof. M.A.H. Eltayeb  
Deputy Chair of the Conference  
Sudan Atomic Energy Commission (SAEC)  
Ministry of Science and Technology  
P.O. Box 3001, Khartoum, Sudan  
Fax: +249 183 774179  
Email: tcsaec@gmail.com

Presentations during the Conference will be limited to a maximum of **20 minutes** per presenter.

Notification about acceptance of abstracts will be sent out **by 15 December 2007**.

Final programme of the conference will be distributed **by 14 January 2008**.

Participants attending the Conference are kindly requested to fill-in the attached Registration Form and to fax or email it to Prof. M.A.H. Eltayeb, Fax: +249 183 774179, Email: tcsaec@gmail.com before **31 October 2007**. Please do indicate if you will be presenting a paper.

**Local and International scientific committee:**

**Honour chairmanship:**
Prof. Hussein M.A.Hamad,  
Director of Radiation & Isotope Centre (RICK), Khartoum

**Members:**

- Dr. Rifaat K.Hassona (Director, TC&HRD, SAEC), +249912869321  
- Sulafa F.Karar, SAEC  
- Sana Ali, SAEC  
- Amel Yosif, SAEC  
- Naglaa Kamal, SAEC  
- Ammar M. Elameen, SAEC  
- Mohamed Yosif, SAEC  
- Abbas Yasin, SAEC  
- Rani Osama, SAEC  
- Ashraf Salih, SAEC  
- Mr. Mamdouh Yassin, SAEC  
- Mr. Mostafa Mohamed Elhassan, RICK  
- Ms. Manal Eljak, RICK
• Mr. Ahmed Elmadani, INMO
• Mr Maurizio Dondi, IAEA, Vienna
• Mr Stig Palm, IAEA, Vienna
• Mr Gashaw Wolde, IAEA, Vienna

**Attachments:**
i Preliminary Programme
ii. Registration Form
iii. Instructions for Authors
iv Instruction for Typists
1ST AFRICAN CONFERENCE ON CLINICAL NUCLEAR MEDICINE AND MEDICAL PHYSICS

KHARTOUM, SUDAN, 16-17 FEBRUARY 2008

PRELIMINARY PROGRAMME

(Authors and titles of presentations will be added after selection of abstracts)

Sunday, 16 February 2008

9:00-9:30   Opening of the Conference
09:30-10:00  Key papers (invited lectures)
10:00-10:30  coffee/tea
10:30-12:00  presentations
12:00-13:30  lunch
13:30-14:00  Lecture by key invited lecturer
14:00-15:30  presentations
15:30-16:00  coffee/tea
16:00-17:00  presentations
17:00-18:00  Discussion, Summary and Conclusions by the Chairperson

Monday, 17 February 2008

09:00-09:30  Key papers (invited lectures)
09:30-10:30  presentations
10:30-10:00  coffee/tea
10:00-12:30  presentations
12:30-14:00  lunch
14:00-15:30  presentations
15:30-16:00  coffee/tea
16:00-17:00  presentations
17:00-18:00  Plenary
18:00-18:30  closing of the meeting/recommendations/conclusions
REGISTRATION FORM

1ST AFRICAN CONFERENCE ON CLINICAL NUCLEAR MEDICINE AND MEDICAL PHYSICS

KHARTOUM, SUDAN, 16-17 FEBRUARY 2008

Name: ____________________________________________

Title: ____________________________________________

Organization: ______________________________________

Mailing Address: __________________________________

Phone number: ____________________________________

Fax number: _______________________________________

I will present a paper during the Conference

☐ Yes    ☐ No

Title of paper: ____________________________________

_________________________________________________

_________________________________________________

_________________________________________________

Author(s): ________________________________________

_________________________________________________

Please return this form by fax (Tel of designated host Person) or email to: tcsaec@gmail.com by 31 October 2007.

INSTRUCTIONS FOR AUTHORS

Authors are kindly requested to follow the suggested guidelines indicated below in preparing their papers:

1. Maximum length of paper is 5 pages.

2. Please include an abstract as part of the paper.
3. In due time, authors will be notified whether their paper(s) have been accepted on the basis of the abstract(s) submitted.

4. Paper(s) if accepted will be published in the AFRA Website. In this respect, authors are requested to forward an electronic copy of their paper(s) to the IAEA, attention Mr Gashaw Wolde by 25 January 2008.

**INSTRUCTIONS FOR TYPISTS**

**TITLE OF PAPER:** The typeface is TIMES ROMAN, BOLD, 14 PT, ALL CAPS

Nuclear Industry ..... (12 Pt)
Department of ............
Address – Organization, Street or Postal code, City, Country

and

Calibration .......... (12Pt)
Other Department
Address - Organization, Street or Postal code, City, Country

**ABSTRACT (12 Pt, BOLD, ALL CAPS)**

Your paper must be in English. The abstract should not exceed 1 page and should describe the key elements of your contribution and its conclusion. This paragraph must be in justified mode (block mode), in times new roman font and **12 pt** font size.

1. **Introduction (12 Pt, bold)**

An introduction of your paper should continue on the same page. The typeface throughout the text is Times Roman. For this and other main sections of your paper, the font size is 12 pt, single line spacing. The lines must be justified in block mode. A4 paper is recommended.

Additional sections should follow on the experimental set-up, results, discussions, conclusions, acknowledgements and references.

2. **Page numbering**

Please do not number the pages of your paper.

3. **Tables and Figures**

Tables, black and white or colour figures should be inserted into the text at the appropriate place in publication quality. They should be centered and figures should be identified with a caption at the bottom.

Note: All photographs and figures that are not in electronic format should be scanned into your paper otherwise **it is advised that you kindly provide original images along with the text and tables of your paper to the scientific secretary of the conference**
4. References

Please number your references and cite them in brackets, e.g. [1], [3-5]. The list of references should be at the very end of your paper under the section heading “References”.

5. Length

The maximum length of your paper is 5 pages, including the title page and all tables and figures.

6. Format

Please submit your paper in Microsoft Word format by email or on CD not later than 25 January 2008.