

SECOND ANNOUNCEMENT

THE 6TH AFRICAN CONFERENCE

on

RESEARCH REACTOR UTILIZATION AND SAFETY

Organized by



**THE CENTRE FOR ENERGY RESEARCH AND TRAINING (CERT)
AHMADU BELLO UNIVERSITY (ABU), ZARIA,
NIGERIA**

With the support of

**THE NIGERIA ATOMIC ENERGY COMMISSION
(NAEC) ABUJA**

In cooperation with



**The African Regional Cooperative Agreement for
Research, Development and Training Related to
Nuclear Science and Technology (AFRA)**

and

**The International Atomic Energy Agency (IAEA),
Vienna, Austria**

**Under the
AFRA project, Enhancing Research Reactor
Utilization and Safety (RAF/4/022)**

Abuja, Nigeria 2-3 November 2009.

SECOND ANNOUNCEMENT AND CALL FOR PAPERS

The Centre for Energy Research and Training, Ahmadu Bello University, Zaria, Nigeria with the support of the Nigeria Atomic Energy Commission, Abuja, in co-operation with the African Regional Cooperative Agreement for Research Development and Training Related to Nuclear Science and Technology (AFRA) and the International Atomic Energy Agency, Vienna, Austria has the pleasure of announcing the 6th African Conference on Research Reactor (RR) Utilization and Safety under the theme "Research Reactor Utilization and Safety in Sustainable Socio-economic Development". The conference will be held at the premises of the Centre for Energy Research and Training, Zaria, Nigeria from 2-3 November 2009.

Background

This conference is the 6th in a series of AFRA conferences on RR utilization and safety. The AFRA activities in the field of research reactor utilization and safety seek to increase utilization levels of RRs in Africa by providing training, expertise, hands-on practical experience and coordinated joint projects to a broader user community with emphasis on cooperation between the African countries (TCDC). The effort is expected to optimize the utilization of this important regional infrastructure and expertise to enhance regional co-operation and promote national, regional self-reliance leading to sustainable utilization and safety of RRs.

Objectives

Research Reactors have an important role in diverse applications with widespread benefits for radioisotope production, radiotracer techniques, neutron beam research and industrial applications such as neutron irradiation for transmutation doping of silicon and material testing. They can also be used to determine elemental composition of different materials that may include geological, environmental, biological and industrial raw materials and finished products. These applications will enhance the utility of use of available research reactors and yield income from the services to be rendered to national end-users, securing RRs' important role in the socioeconomic development of both individual countries and the entire region. The RRs also play a significant role in human resource development for emerging nuclear power programmes. In this regard, RRs are extremely important for building technical and safety competencies. In addition, effective management of safety issues is a critical prerequisite of effective utilization of RRs themselves. Therefore, enhancing RR safety through the application of the Code of Conduct on the Safety of Research Reactors and IAEA Safety Standards is very important for ensuring sustainable operation and utilization of these facilities. This implies, in particular, improvements of the aging management, safety culture and regulatory supervision of RRs.

The principal objective of the conference is therefore to share knowledge in the field of RR networking, utilization and safety and in particular, their role in the sustainable socio-economic development of the African region. In addition, the conference will be a forum to exchange information on safety status and on good safety practices of the research reactors.

Participants are cordially invited to attend and present scientific papers at the conference and to exchange information/ideas in order to realize the objectives of the conference.

Conference Sub-Themes:

Papers are invited on the following topics:

- Neutron Activation Analysis
- Radioisotope Production
- Radiotracer Technique
- Industrial Irradiation
- Neutron Radiography
- Neutron Beam Research
- RR Physics and Analysis
- Education and Training
- Integrated Management System
- Operational Safety Management
- Experience in Application of the Code of Conduct
- Safety Analysis of Modifications and Experiments
- Ageing Issues, Refurbishment and Modernization Projects
- New RR Projects

All interested participants and project coordinators are to communicate their intention for participation on the attached registration form and send an abstract of the paper they intend to present in Microsoft word not later than 30 April 2009 to the Conference Secretariat via e-mail address afrarc6@yahoo.com or cert@abu.edu.ng. The papers accepted will be presented at oral or poster sessions. Each oral presentation will be limited to 20 minutes.

The AFRA project will cover the attendance of Project Coordinators of project RAF/4/022. A limited number of African participants who are deemed to have submitted papers of a very high quality will be sponsored by the project on the recommendation of the Scientific Advisory Committee.

Final paper:

Please send your full paper in Microsoft word by 30 August 2009 to the Conference Secretariat via e-mail address: afrarc6@yahoo.com or cert@abu.edu.ng.

All papers presented at the conference will be reviewed and published in an appropriate journal or in the form of conference proceedings.

Accommodation:

Accommodation in Zaria will be available at CERT Guest House, Ahmadu Bello University Guest House, Kongo Conference Hotel and Teejay Palace Hotel.

Registration Fee:

There is no registration fee for participation in this conference.

Key Deadlines (extended):

1. 30 June 2009 : Abstract submission
2. 30 July 2009 : Grant Applications
3. 30 August 2009 : Full paper submission

REGISTRATION FORM

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ON

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TRAINING (CERT),
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NIGERIA**

WITH THE SUPPORT OF

**THE NIGERIA ATOMIC ENERGY COMMISSION
(NAEC), ABUJA**

Name: -----

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**I will present a paper at the 6th African Conference on
Research Reactor Utilization and Safety**

() **Yes** () **No**

Title of paper: -----

Author(s): -----

Please return this form by email to the Conference Secretariat via
e-mail address: afrrrc6@yahoo.com or cert@abu.edu.ng by **30 June
2009**

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