

SATELLITE MEETING

"Particle Accelerators in Analytical and Educational Applications"

to be held within the framework of the IAEA "International Topical Meeting on Nuclear Research Applications and Utilization of Accelerators",

Vienna, 4 – 8 May 2009

ANNOUNCEMENT AND CALL FOR PAPERS

Particle Accelerators have become important tools both, for basic and applied research for the generation of fresh knowledge as well as for applications in a large variety of fields including advanced training and education for new generation of scientists. Industrialized and developing nations have benefited from this technology to advance their knowledge based technology not only of the industry, but also in material sciences and analytical applications in a large variety of substrates. The applications in medicine are well known and widely used.

Although accelerator technology is already well advanced, it continues to be developed with the aim of improving performance, lowering the cost and, producing specialized design for specific purposes. For instance, small accelerators are ideal tools for advanced basic and applied research in universities that covers a wide range of practical analytical applications in environmental sciences, exploration and exploitation of natural resources and materials of cultural and historical value, through techniques such as PIXE, PIGE and micro-beams, in addition to playing a fundamental role in education and training of scientists.

A large number and variety of accelerators ranging from small linear proton accelerators a few MeVs, and single or dual cyclotron accelerators have been installed in the laboratories of many developing nations. With the experience gained thus far, scientists managing these machines are today eager to increase the utilization time by expanding the spectrum of relevant analytical applications to a truly multidisciplinary one, and making efforts to establish collaborative research with other centers around the world. In these regard, scientist from these regions see the IAEA as the central or focal point to nurture and facilitate such international collaboration. International scientific meetings of the type organized by the Agency can proactively provide the right atmosphere where scientists from advanced and developing nations can meet. One has to remember of the few opportunities that the scientists from developing countries have to meet with other scientists and thus, interact and exchange fruitful experience.

The main focus of this **Satellite Meeting** is to promote exchange of information among the IAEA Member States representatives/delegates and to discuss and exchange ideas and experiences with a view of expanding relevant and new analytical applications of small particle accelerators of the variety that exist in developing nations that can be incorporated into newer utilization programmes, as well as to establish links with other scientists around the world with whom potential collaborative research can be established.

The focus of this **Satellite meeting** is on reviewing and discussing the potential utilization programmes of small accelerators in physical and chemical analytical applications as well as an invaluable tool for research and high level university education and training of young scientist.

The main topics to be addressed at the **Satellite Meeting**:

- General analytical applications of accelerators
- Micro beams in physical and chemical analytical applications
- Accelerators as an advanced tool for education and training
- Networks for collaborative research and training

SATELLITE MEETING IMPORTANT INFORMATION

- The **Satellite Meeting** will be held in parallel with the main conference programme for a number of half days (depending on the number of contributed papers).
- Participants in the **Satellite Meeting** will be required to register for and participate in the main conference. For instructions please refer to the Announcement and Call for Papers for the main conference.
- It is intended that the proceedings of the **Satellite Meeting** will be published together with the main conference proceedings in the IAEA Proceedings Series.
- The submission of abstracts and papers to the **Satellite Meeting** will follow the same process (including deadlines) as the submission of papers to the main conference. For instructions please refer to the Announcement and Call for Papers for the main conference.
- Deadlines:
 - Submission of abstract (400 words): 6 October – 3 November 2008 (LISA System)
 - Notification of paper/poster acceptance: 20 December 2008
 - Submission of full papers: 30 March – 27 April 2009
- Organization

The Organizing Committee of the **Satellite Meeting** is composed of:

- Hernan Vera Ruiz, Bolivia
- Mohammad Haji-Saeid, IAEA Vienna
- Françoise Mulhauser, IAEA Vienna
- Claudio Tuniz, ICTP, Trieste, Italy
- Pierre van den Winkel, Belgium
- Stejtko Fazenic, RBI, Croatia
- Matthias Rossbach, FZJ, Germany