



11th NEUTRON AND ION DOSIMETRY SYMPOSIUM (NEUDOS-11)

iThemba LABS

Cape Town, South Africa, 12-16 October 2009



iThemba LABS (Laboratory for Accelerator-Based Sciences) will be hosting the 11th Neutron and Ion Dosimetry Symposium (NEUDOS-11) from 12-16 October 2009. The Symposium is the latest one in a series that have previously all been held in North-West Europe: the first 6 were held in Munich, Germany (1972-1987); the 7th, 8th, 9th and 10th were held in Berlin, Germany (1991), Paris, France (1995), Delft, The Netherlands (2003) and Uppsala, Sweden (2006), respectively. A key element of the 2009 Symposium will be the encouragement of the attendance of scientists and students from African and other developing countries.

Neutron dosimetry is of great importance for radiation safety purposes at both accelerator and reactor installations. It is also a fundamental aspect of fast-neutron and neutron-capture therapy. Furthermore, neutron production in high-energy x-ray therapy, as well as in ion-beam therapy, is of increasing concern because of growing fears of secondary cancer induction. Ion-beam therapy facilities are proliferating rapidly all over the world and dosimetry issues are of major significance. The scientific program will encompass, *inter alia*, fundamental aspects, instrumentation, measurement techniques, radiation quality, radiation protection, radiotherapy and other applications.

Several overview presentations on topical subjects will be given to familiarize young scientists and students with the field. In addition, a "Young Investigators" session will be held to provide the opportunity for younger delegates to give short oral presentations. The proceedings of the Symposium will be peer-reviewed and published in a major journal.

Few countries rival South Africa's scenic beauty: from exquisite snow-white beaches, rocky coves and charming fishing villages to majestic mountains, green forests, rolling farmlands and semi-desert plains. With its modern infrastructure and economy, pulsating cities, incomparable game reserves, varied recreational amenities, cultural diversity and pleasant climate, along with its hospitable people, South Africa, the Rainbow Nation, has much to offer visitors.

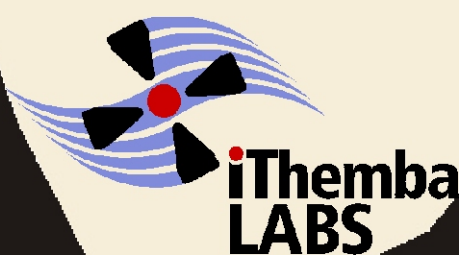
Cape Town, capital city of the Western Cape Province, with a population of about 3.5 million, is the second-largest city in South Africa and is a premier international tourist destination. It is a spectacular, fascinating and cosmopolitan metropolis with a rich and varied heritage and boasts much natural splendour. It is dominated by the awesome crags of Table Mountain and encircled by the azure waters of the Atlantic Ocean and the emerald green vineyards of the Cape Winelands.

The city is an eclectic conglomeration of striking architecture, sophisticated modern facilities, frenetic street markets, exciting entertainment venues, elegant restaurants and splendid shopping precincts. The blend of African, Asian and European cultures contributes to Cape Town's unique, magnetic appeal. October is usually a very pleasant time of the year in Cape Town with average maximum and minimum temperatures of 21.3°C and 10.4°C, respectively. On average it rains on 8 days with a total rainfall of 33 mm.

Accommodation has been secured at hotels next to the magnificent Victoria and Alfred Waterfront shopping, hospitality and entertainment complex. The Symposium will be held at iThemba LABS, which has very well-equipped conference facilities. Buses will transport delegates from the hotels, which are about 35 minutes away. A minibus will shuttle daily on a regular schedule between the hotels and iThemba LABS. Varied and interesting social and site-seeing programs will be offered to delegates and accompanying persons.

The NEUDOS-11 Organizing Committee looks forward to welcoming you to Cape Town in October 2009.

D T L Jones (Chair)
N Haasbroek (Logistics Manager)
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