

NEUDOS-11



Victoria and Alfred Waterfront

FIRST ANNOUNCEMENT

GENERAL INFORMATION

PREAMBLE

iThemba Laboratory for Accelerator-Based Sciences ([iThemba LABS](#)) [formerly National Accelerator Centre] 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 Western 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 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, for quantifying the effects of cosmic ray exposures, and for other purposes. 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 of dosimetry, instrumentation, measurement techniques, radiation quality, radiation protection, radiotherapy and other applications. Several overview presentations will be given to familiarize young scientists and students with the field, while a number of invited papers on topical subjects will also be presented. A selection of papers for oral presentation will be made from the abstracts submitted. The bulk of the contributions will be presented as posters. 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 scientific journal.

SCIENTIFIC FREEDOM POLICY STATEMENT

The Organizing Committee of the 11th Symposium on Neutron and Ion Dosimetry will observe the basic policy of non-discrimination and affirms the right and freedom of scientists to associate in international activity without regard to such factors as citizenship, religion, creed, political stance, ethnic origin, race, colour, language, age or sex, in accordance with the Statutes of the International Council of Science ([ICSU](#)). At the Symposium and Workshop no barriers will exist which would prevent the participation of *bona fide* scientists.



iTHEMBA LABS

iThemba LABS is a national research and development laboratory operated by the National Research Foundation ([NRF](#)). The main activities are associated with [medical radiation](#), [radionuclide production](#) for medical and industrial use, [nuclear physics](#) and [materials science](#) as well as advanced education and training.

The main laboratory is located about 35 km from downtown Cape Town and has full-time staff complement of about 300. There are typically more than 100 post-graduate and other students undergoing training. The core facility is a separated-sector cyclotron capable of accelerating protons to energies of 200 MeV and heavier ions to much higher energies. It is the largest accelerator in the Southern Hemisphere. Two classical cyclotrons are used to inject light ions or heavy and polarized ions respectively into the main accelerator. Other accelerators on this site are a 6 MV medical linear accelerator and a 6 MV CN Van der Graaff accelerator.

iThemba LABS has the only fast neutron ($66 \text{ MeV } p + \text{Be}$) and proton (200 MeV) therapy units in the Southern Hemisphere and is the only facility at which both modalities are available. IThemba LABS also operates iThemba LABS (Gauteng) in Johannesburg, where the main facility is a 6 MV tandem Van der Graaff accelerator.



SOUTH AFRICA AND CAPE TOWN

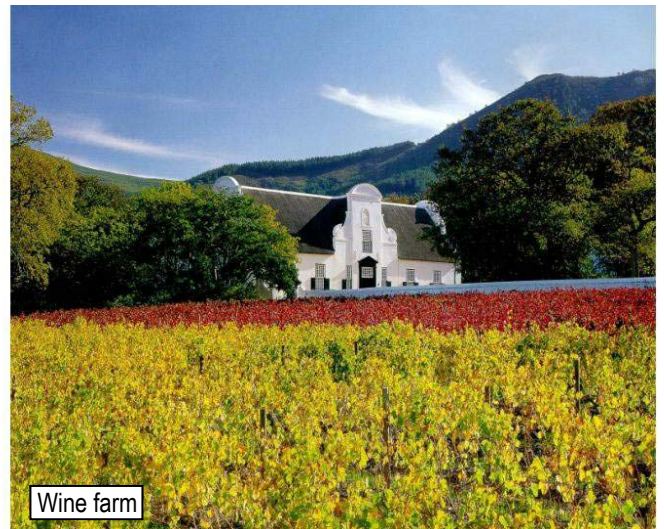
Few countries rival South Africa's scenic beauty: from exquisite snow white beaches, rocky coves and charming fishing villages to majestic mountains, green forests, rolling farmlands and semi-desert plains. With its modern infrastructure and economy, pulsating cities, incomparable game reserves, varied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

Cape Town (settled by the Dutch 1652) has a population of about 3.5 million and is the second largest city in South Africa. 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, historical 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 during the month and there is a total rainfall of 33 mm.

Information on South Africa and Cape Town is widely available on the internet. Helpful websites are:

www.southafrica.net, www.passportsa.co.za, www.gardenroute.co.za, www.cape-town.net, www.capeinfo.com, www.worldexecutive.com/cityguides/cape_town/index.html



TRAVEL

Cape Town is easily reached from all major cities using South African Airways ([SAA](#)) and other international carriers. International flights terminate in either Cape Town or Johannesburg (the main airport), from which there is a two-hour flight to Cape Town. Several carriers, including SAA, [British Airways](#), [1-Time](#), [Mango](#) and [Kulula.com](#) operate on domestic routes.

There are direct flights (sometimes with intermediate stops) to Cape Town from Amsterdam, Buenos Aires, Doha, Dubai, Frankfurt, Istanbul, Kuala Lumpur, London, Munich, New York, and Singapore.

Transfers by taxi or shuttle minibuses from Cape Town International Airport to the hotels can be arranged in the international and domestic arrivals terminals. Alternatively transfers will be arranged on request for hotel guests.

Visas will be required for many delegates, who should contact the nearest South African consulate.

Information on local sightseeing excursions or on pre- or post-Symposium tours can be obtained from Talk Travel. For assistance or further **tourist information** please contact:

Carol Swart
Talk Travel
P O Box 6878
Roggebaai
8012 SOUTH AFRICA

Tel: 27-21 797 1861
Fax: 27-21 797 7810
Email: carolj.talk@galileosa.co.za.



CURRENCY

The local currency is the South African *Rand* (R), which is very volatile and subject to wide fluctuations. The rate of exchange during July 2008 was about \$ 1.0 = R 8.0 and € 1.0 = R 12.7.

TIME ZONE

The whole of South Africa is in the Central African time zone (GMT+2). There is no daylight saving.

ELECTRICITY SUPPLY

The power supply is 220 V - 240 V, 60 Hz. The standard mains plugs are the South African-specific 3-pin type. International adapters are readily obtainable.

MEETING VENUE

NEUDOS-11 scientific sessions 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.

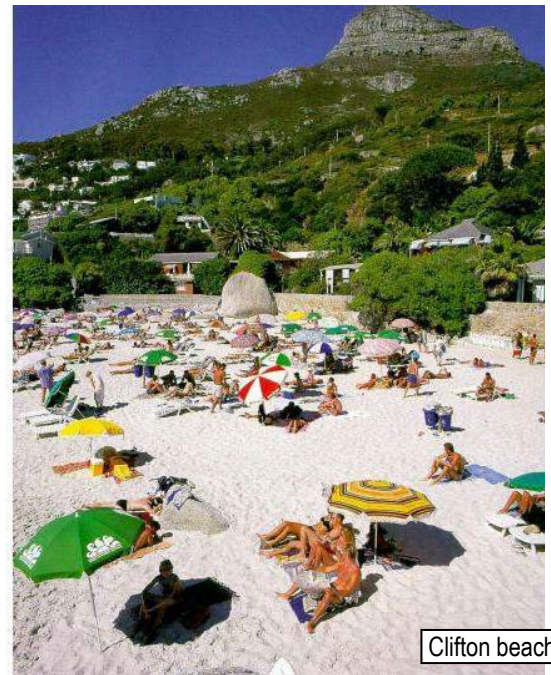


ACCOMMODATION

Accommodation has been secured at hotels next to the magnificent Victoria and Alfred Waterfront shopping, hospitality, entertainment, and working harbour complex. Located in the Waterfront is the [Breakwater Lodge](#), a historic renovated 19th-century prison, which is owned by the Business School of the University of Cape Town and operated as a hotel and graduate school. The nearby [Cape Castle Hotel](#) and [City Lodge](#) are within easy walking distances of the main Waterfront attractions. A list of nearby guest houses and bed and breakfast establishments are also provided below for delegates who may prefer this type of lodging. All accommodation is on a first come first served basis.

EXECUTIVE SCIENTIFIC COMMITTEE

D Jones (Chair)	Somerset West	South Africa
D Bartlett	Didcot	UK
N Hertel	Atlanta, GA	USA
H Schuhmacher	Braunschweig	Germany
F Smit	Somerset West	South Africa



Clifton beach

INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE

P Berkvens	Grenoble	France
P Binns	Cambridge, MA	USA
J Blomgren	Uppsala	Sweden
T Bolognese-Milsztajn	Fontenay-aux-Roses	France
A Buffler	Cape Town	South Africa
P DeLuca	Madison, WI	USA
F d'Errico	Pisa	Italy
P Goldhagen	Washington, DC	USA
N Golnik	Warsaw	Poland
G Gualdrini	Bologna	Italy
O Jäkel	Heidelberg	Germany
M Luszik-Bhadra	Braunschweig	Germany
N Matsufuji	Chiba	Japan
W Newhauser	Houston, TX	USA
R Risler	Seattle, WA	USA
S Roy	Kolkata	India
A Rozenfeld	Woolongong	Australia
M Silari	Geneva	Switzerland
F Spurny	Prague	Czech Republic
R Tanner	Didcot	UK
D Thomas	Teddington	UK
J Tickner	Menai	Australia
F Vanhavere	Mol	Belgium



Downtown Cape Town

ORGANIZING COMMITTEE

D Jones (Chair)
N Haasbroek (Logistics Manager)
F Smit
A Sauls

SOCIAL PROGRAMME

The social program will include a **welcome party**, an **excursion** to a wine farm, a barbeque at iThemba LABS, and the Symposium **banquet**.



FUNCTION	DATE	VENUE
Welcome reception	Sunday 15 October	Aquarium, V & A Waterfront
Barbeque	Monday 16 October	iThemba LABS
Excursion to wine estate (includes lunch). Optional wine tasting	Wednesday 17 October	Eikendal, Stellenbosh
Symposium banquet	Thursday 18 October	Moyo Restaurant, Spier Estate, Stellenbosch

EXHIBITIONS AND ADVERTISEMENTS

Space will be provided for exhibitions, displays and advertising by commercial companies, institutes and organizations who wish to promote equipment, goods, products and services of interest and relevance to Symposium delegates. Advertisements can also be placed in the NEUDOS-11 Book of Abstracts which will be distributed to all participants. Those concerns which are interested in exhibiting or advertising should contact the [Organizing Committee](#) to discuss requirements and costs.

SPONSORS

Significant sponsors (amounts of R 10 000 or more) of NEUDOS-11 will be entitled to exhibition space and a one-page (A4) black and white advertisement in the NEUDOS-11 book of abstracts at no charge. Furthermore all sponsors will be suitably acknowledged on Symposium material such as the book of abstracts, website, and in all correspondence.

Sponsors who provide R 100 000 or more will be acknowledged as *Main Sponsors*, receive particular prominence and be provided with special advertising opportunities. The [Organizing Committee](#) should be contacted in this regard.



Table Mountain cable car

CONFERENCE FEES

DELEGATES	
Advanced countries (full)	R 5 000
Developing countries (full)	R 3 000
Advanced countries (student)	R 2 500
Developing countries (student)	R 1 500
ACCOMPANYING PERSONS	R 1 500
DAY REGISTRATION	R 1 000

- ▶ The full conference fees for delegates include all conference materials, NEUDOS-11 Proceedings, lunches and refreshments, and all social activities
- ▶ Student fees do not include a copy of the Proceedings
- ▶ Day registration does not include social functions or a copy of the Proceedings
- ▶ There is a 10% penalty for late registration (after 08 August 2008)
- ▶ There will be no refund if registration is cancelled after 16 September 2008 and a 50% refund if cancelled before this date

FINANCIAL SUPPORT

Limited financial support may be available to fund, or partially fund, the attendance of scientists and students who are permanent residents of an African country. Should sufficient sponsorship be received this support may be extended to delegates from other developing countries. Recipients of financial support will not receive copies of the NEUDOS-11 Proceedings. Financial support will be subject to strict criteria. Detailed applications must be made on the prescribed forms.

DEADLINES

Abstract submissions	31 May 2009
Applications for financial support	31 May 2009
Acceptance of contributions	15 July 2009
Accommodation	08 August 2009
Registration	08 August 2009
Submission of papers	15 November 2009

CONTACT INFORMATION

The website will be updated regularly with the latest information.

General enquiries should be addressed to:

Ms N Haasbroek

iThemba LABS

P O Box 722,

Somerset West

7129 SOUTH AFRICA

Tel: +27-21-843-11329

Fax: +27-21-843-3525

E-mail: neudos11@tlabs.ac.za

Enquiries concerning the **scientific program** should be addressed to:

Dr D T L Jones

E-mail: jones@tlabs.ac.za

