



SAMSMA 2013



**SOUTHERN AFRICA MATHEMATICAL SCIENCES ASSOCIATION (SAMSMA)**

**Introduction:** SAMSMA will be thirty-two years in December 2013 and for the first time in its history, the SAMSMA conference will be held in Cape Town, a city known for its beauty and tourist attractions. The conference will be co-hosted by the four leading Universities in the city namely University of Cape Town (UCT), University of Stellenbosch (US), University of Western Cape (UWC) and Cape Peninsula University of Technology (CPUT). In the past 32 years of its existence, SAMSMA has managed to get sponsorship from Norway through the NUFU and NOMA programmes that have enabled at least 100 students graduating with Masters and/or Ph.D degrees in Mathematical Modelling. SAMSMA is also in partnership with the Auburn University, US, through the Masamu programme whose main emphasis is research in Mathematical Sciences.

**Theme:** The theme for the conference will be “Capacity building in the Mathematical Sciences: prospects, successes and challenges in the Southern African context.”

**Date:** 25<sup>th</sup> November to 29<sup>th</sup> November 2013.

**Venue:** University of Stellenbosch, Mathematics Department

**Accommodation:** <http://www.stellenbosch.travel/stay>

Delegates are advised to book their accommodation early, preferably before September 30<sup>th</sup>. If booking via the website please choose the “Location” as “Town Centre” since accommodation around the Town Center is within walking distance of the conference venue.

**Registration:** There will be a conference registration fee of **US\$200** and **US\$100** for students. The registration fee will include tea/coffee during the breaks, lunches, conference dinner, excursion, and conference materials. Those who require an invoice for electronic fund transfers should contact the LOC Secretary.

**Call for abstracts:** The deadline for submission of abstracts is the 30<sup>th</sup> September 2013. The abstracts, prepared in LaTeX using the template that will be provided via the SAMSMA [website](http://www.samsma-math.org), should be sent to the following:

Dr G. Muchatibaya, email: [muchatibayag@cput.ac.za](mailto:muchatibayag@cput.ac.za) (LOC Secretary)  
copied to Dr P.Y. Mhone, email: [pnhone@poly.ac.mw](mailto:pnhone@poly.ac.mw) (SAMSMA Secretary)

**Conference Proceedings:** The date for submission of full papers to be published in the SAMSMA 2013 conference proceedings is 31<sup>st</sup> October 2013. The papers should be in LaTeX. The LaTeX templates will be provided via the SAMSMA website: [www.samsma-math.org](http://www.samsma-math.org)

**Invitation/acceptance letters:** If you require a visa to enter South Africa write to the SAMSMA Secretary copied to the Secretary of the Local Organizing Committee who will issue the invitation.

**Invited Speakers:**

Prof. Edward Lungu,	University of Botswana
Prof. Hans-Peter Kunzi,	University of Cape Town
Prof. Bent Oksendal,	University of Oslo
Prof. Oluwole Daniel Makinde,	Cape Peninsula University of Technology
Prof. Ash Abebe,	Auburn University
Prof. Verdiana Grace Masanja,	National University of Rwanda
Prof. Daya Reddy,	University of Cape Town
Dr. Eunice Mphako-Banda,	University of Witwatersrand
Prof. Giulia Di Nunno,	University of Oslo
Prof. Overtoun Jenda,	Auburn University
Prof. Barry Green,	AIMS (South Africa)
Prof. Michael Hintermueller,	Humboldt University of Berlin

**Programme:** The conference programme to be circulated later will include presentations from several areas such as Algebra, Real Analysis, Topology, Functional analysis, Financial Mathematics, Mathematical Biology, Fluid Mechanics, Numerical Analysis, Mathematical Statistics and Mathematics Education

**Local Organizing Committee:**

Prof F Nyabadza (LOC Chairman),	<a href="mailto:nyabadzaf@sun.ac.za">nyabadzaf@sun.ac.za</a>
Dr. G. Muchatibaya (LOC Secretary),	<a href="mailto:muchatibayag@cput.ac.za">muchatibayag@cput.ac.za</a>
Dr. T.Chinyoka,	<a href="mailto:trivanhu.chinyoka@uct.ac.za">trivanhu.chinyoka@uct.ac.za</a>
Dr. C. Makasu,	<a href="mailto:cmakasu@uwc.ac.za">cmakasu@uwc.ac.za</a>
Prof F. Benyah,	<a href="mailto:fbenyah@uwc.ac.za">fbenyah@uwc.ac.za</a>

**Scientific Committee:**

Prof W. Ogana	(University of Nairobi)
Prof B. Oksendal	(University of Oslo)
Prof O. Jenda	(Auburn University)
Prof P. Sibanda	(University of Kwazulu Natal)
Prof E. Lungu	(University of Botswana)
Prof H. Fleischner	(University of Vienna)
Prof J.Y. Mugisha	(Makerere University)
Prof J.A. Ryan	(Mzuzu University)
Prof D. Taylor	(University of Cape Town)
Prof O.D. Makinde	(Cape Peninsula University of Technology)
Mr J. Farmer	(Cape Peninsula University of Technology)
Prof I. Rewitzky	(Stellenbosch University)
Prof D. Holgate	(University of Western Cape)
Prof H.P. Kunzi	(University of Cape Town)
Prof G. Di Nunno	(University of Oslo)
Prof D. Burns	(University of Michigan)



## About Cape Town:

The city of Cape Town, which is the venue for the SAMSA2013 Conference, is a vibrant city boasting breathtaking scenery: mountains from every vantage point, beautiful beaches, and a wine region within an hour's drive from the city centre. Its cosmopolitan lifestyle is one that possesses distinctly African features.



Table Mountain Cableway



Cape Winelands



Cape Point

Situated at the southern tip of the African continent, it is the city where two giant oceans, the Atlantic and Indian Oceans meet and this geographical spectacular natural wonder is one of the city's tourist attractions. The two oceans rough meet each other at Cape Agulhas which represents the southernmost point in Africa. The picture above shows Cape Point which is the most south-westerly tip of Africa.

Most of the peninsula comprises a well-watered, green mantled sandstone plateau which is at its most spectacular in the towering bulk of Table Mountain. One can hike up the mountain or take a ride up and down by means of the Table Mountain Aerial Cableway shown on the picture above.

The V&A Waterfront development (see picture below) has reunited the citizens of the city with their maritime heritage. The Waterfront development has been a huge success and now hosts a lot of restaurants, shopping centres, hotels, offices, an aquarium and residential developments having transformed the once bleak landscape into a popular tourist destination.

Some 50 kilometres east of Cape Town is Stellenbosch. It is home to Stellenbosch University and is the second oldest European settlement in the Western Cape Province, after Cape Town. It forms part of the Cape Winelands and is the primary location for viticulture and viticulture research. The picture above shows a part of the Cape Town Winelands.

For those who like wine testing, this is a must go.

To those interested in a part of the country's history, you will have time to visit Robben Islands (see picture below) where the renowned and world icon, former President Nelson Mandela, known locally and internationally by his clan name, Madiba, spent 27 years in prison. At a nominal fee, one can take a boat or yacht to visit the Island.

Are you able to say "boerewors"? Then Mzolis Cape Town and many such "braai" places are for you. You can use your search engine to have a feel of it through pictures. Not to be outdone will be Cape Town night life, headquartered along Long Street where you find a finite collection of night clubs for your entertainment.

### Other Tourist Areas:

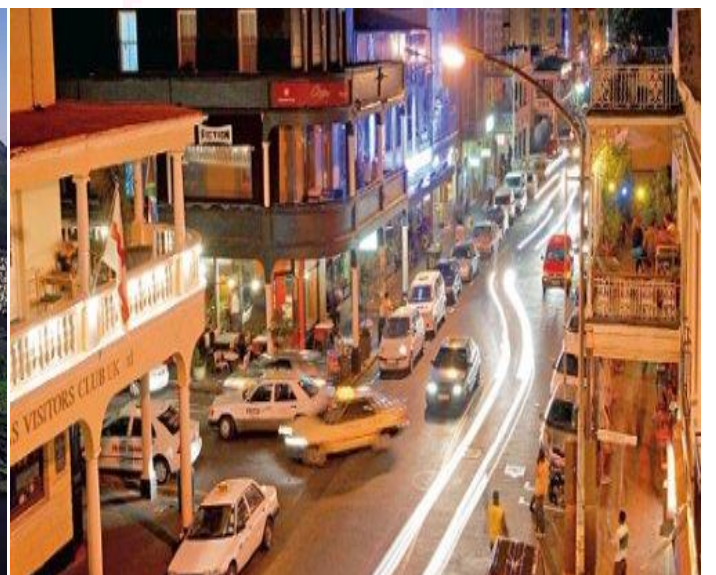
Those who have a couple of days more before or after the conference may want to explore the other tourist areas within the country. And that includes coming face to face with the "Big Five" at Kruger National Park found to the northern part of the country. Other tourist centers can be found at [http://www.sa-venues.com/tourist\\_attractions\\_south\\_africa.htm](http://www.sa-venues.com/tourist_attractions_south_africa.htm) and other related sites.



Robben Island



V.A. Waterfront



Long Street Nightlife

## Conference Sponsors:

