



"SAMSMA 2017"

Southern Africa Mathematical Sciences Association Annual Conference (20th—23rd November 2017)

Venue: Lush Garden Hotel, Arusha, Tanzania



Introduction: The Department of Mathematics at the University of Dar es Salaam (UDSM), will be hosting the 2017 Annual Southern Africa Mathematical Sciences Association (SAMSMA) conference in **Arusha**, Tanzania, from Monday 20th to Thursday 23rd November 2017. The conference will bring together researchers in mathematics and allied subjects with a view to share knowledge and enhance networking in teaching and research in mathematics and mathematical science among members and non-members. SAMSMA continues to enjoy partnerships with the Auburn University, US, through the MASAMU programme whose main emphasis is research in Mathematical Sciences.

Topics: Presentations at the conference will cover all fields of pure and applied mathematics, including, but not limited to, analysis, algebra, differential geometry, financial mathematics, epidemiology, mathematics for industry, theoretical fluid dynamics, statistics, mathematics education, computer science and theoretical physics.

General Information

Detailed and up to date information is available on the conference website:

<http://www.maths.udsm.ac.tz/samsma2017>

Venue and Accommodation

The SAMSMA 2017 will take place in Lush Garden Hotel in Arusha, Tanzania.

There is a variety of choice for accommodation in Arusha. However, the LOC has made arrangements with the following Hotels:

- (a) Lush Garden Hotel: US\$ 60
- (b) SG Premium Resort: US\$ 80
- (c) Palace Hotel Arusha: US\$ 80
- (d) Naura Springs Hotel: US\$ 65.00 (Single Room), US\$ 90.00 (Double Room)

The participant can either apply through the Secretary of the LOC or directly to the Hotels. For the latter option, the participant is required to mention the conference name and dates so as to benefit from the above listed special discounted rates.

Call for Abstracts: Abstracts must be prepared in LaTeX using the template that will be provided on the conference website. The deadline for submission of abstracts is the **31st October 2017**, and should be sent to Dr. D. Koloseni email: dkdavykol@gmail.com (LOC Secretary).

Paper Publications: Accepted papers will be published in the conference proceedings in the SAMSMA at: <http://samsma-math.org/>. If you wish your paper to be considered for publication in the SAMSMA Proceedings, then it should be sent by 15-December to sandilemotsa@gmail.com, nyabadzaf@sun.ac.za. Please note that all manuscript submissions should be in Latex.

Registration: Registration fee is US\$250 for regular and US\$150 for students. The registration fee will include tea/coffee during the breaks, lunches, conference dinner and conference materials.

Visa Applications: Invitation letters for those who require such letters for visa applications to enter will be issued on request to the SAMSMA Secretary copied to the Secretary of the Local Organizing Committee.

Excursion/Places to visit: The Local Organizing Committee is planning to organize an excursion at the end of the conference to one of the following top tourist attractions in Tanzania: The slopes of Mount Kilimanjaro, Tarangire National Park and Ngorongoro Crater. More updated details can be found in the conference website.

MASAMU Programme: The seventh Masamu Advanced Study Institute and Workshops will be held in November 17-26, 2017, in Arusha, Tanzania, during the 2017 SAMSMA conference. The focus areas will be Algebra, Analysis, Coding Theory, Graph Theory, Mathematical Modeling of Biological Systems, Mathematics of Finance, and Statistics, and Research Workshop. More information is available on the MASAMU webpage, www.masamu.auburn.edu

KEYNOTE SPEAKERS

- Prof. Jean Lubuma, University of Pretoria
- Prof. Yves Dumont, CIRAD, France
- Prof. Patrick Weke, University of Nairobi
- Katharine Evans, Oak Ridge National Laboratory, USA.
- Prof. Martin Singull, Linkoping University
- Prof. Pete Johnson, Auburn University
- Prof. Anotida Madzvamuse, University of Sussex
- Prof. Peter Dankeimann, University of Johannesburg
- Prof. Overtoun Jenda, Auburn University

SCIENTIFIC COMMITTEE:

- Prof. Allen Mushi, University of Dar es Salaam
- Prof Wandera Ogana, University of Nairobi
- Prof. Mugisha, Makerere University
- Prof B.ernst Oksendal, University of Oslo
- Prof Overtoun Jenda, Auburn University
- Prof Precious Sibanda, University of Kwazulu Natal
- Prof Edward Lungu, University of Botswana
- Prof Giulia Di Nunno, University of Oslo
- Prof. David Erwin, University of Cape Town

LOCAL ORGANIZING COMMITTEE

- Prof. Eunice Mureithi
- Prof. Ralph P. Masenge
- Dr. Egbert Mujuni
- Dr. Silvester E. Rugeihyamu
- Dr. Nyimvua Shaban
- Dr. David Koloseni
- Dr. Theresia Marijani

CONTACTS

- **Prof. Ralph P. Masenge** (Chairperson LOC)
University of Dar es Salaam,
Email: masenge2015@gmail.com
Phone: +255 754280132
- **Prof. Eunice Mureithi**, (Head of Department)
University of Dar es Salaam,
Phone: +255 683 059 964
Email: emureithi@maths.udsm.ac.tz,
- **Dr. David Koloseni** (Secretary LOC)
University of Dar es Salaam,
Phone: +255 769 275 795
Email: dkdavykol@gmail.com
- **Prof. Farai Nyabadza** (President of SAMSMA)
Stellenbosch University, South Africa
Email: nyabadzaf@sun.ac.za

About Arusha

Arusha, also known as "A" Town by the locals, is located in the northern part of Tanzania and has a population of about 1,288,088 people. The city is surrounded by famous landscapes and national parks. It is situated at the foot of the beautiful volcanic Mount Meru (the 5th highest mount in Africa) on the eastern edge of the Great Rift Valley and close to the base of the highest mount in Africa, Mt. Kilimanjaro. The city is close to great sceneries such as the sprawling Serengeti National park, (famous for its annual migration of wildebeests and zebras and home to animals such as lions, elephants, leopards and rhinoceros); the Ngorongoro Crater, (listed as a UNESCO World Heritage Site since 1979), the Tarangire National park, Lake Manyara and Olduvai Gorge. The Arusha region has favourable temperate climatic condition.

Arusha city has a diverse culture city, the dominant being that of the famous the Maasai, the Iraqw and the Wa-meru people. The city is often termed as the Tanzania's safari capital since it is located within close proximity to the three of the seven natural wonders of Africa, namely the Serengeti migration, the Ngorongoro Crater and Mt. Kilimanjaro. Tourism sector is a major contributor to the economy of the city of Arusha. Tourism is the second largest income contributor in Tanzania. Arusha city is also re-known for hosting the International Criminal Tribunal for Rwanda (1994-2015). It is also home to the East Africa Court of Justice.

