

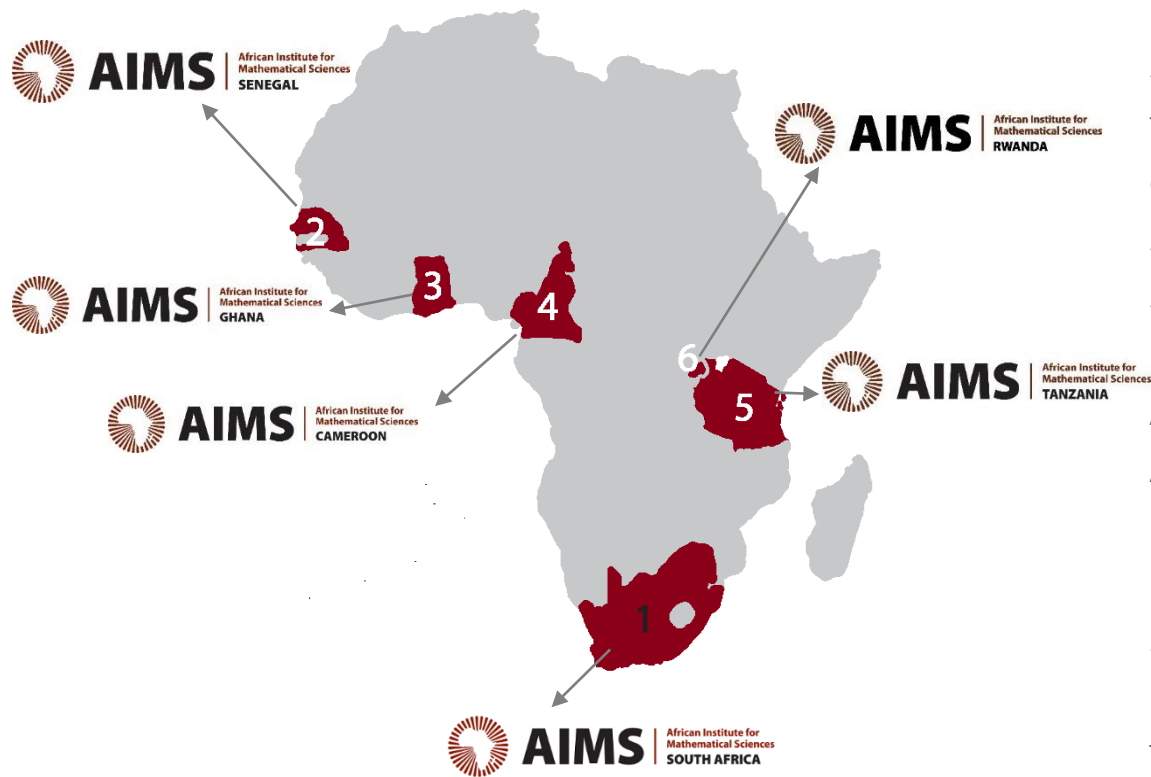
**AIMS**

African Institute for  
Mathematical Sciences  
**SOUTH AFRICA**

[www.aims.ac.za](http://www.aims.ac.za)

# ABOUT AIMS

The African Institute for Mathematical Sciences (AIMS) is a pan-African network of centres of excellence for postgraduate education, research and public engagement in mathematical sciences.

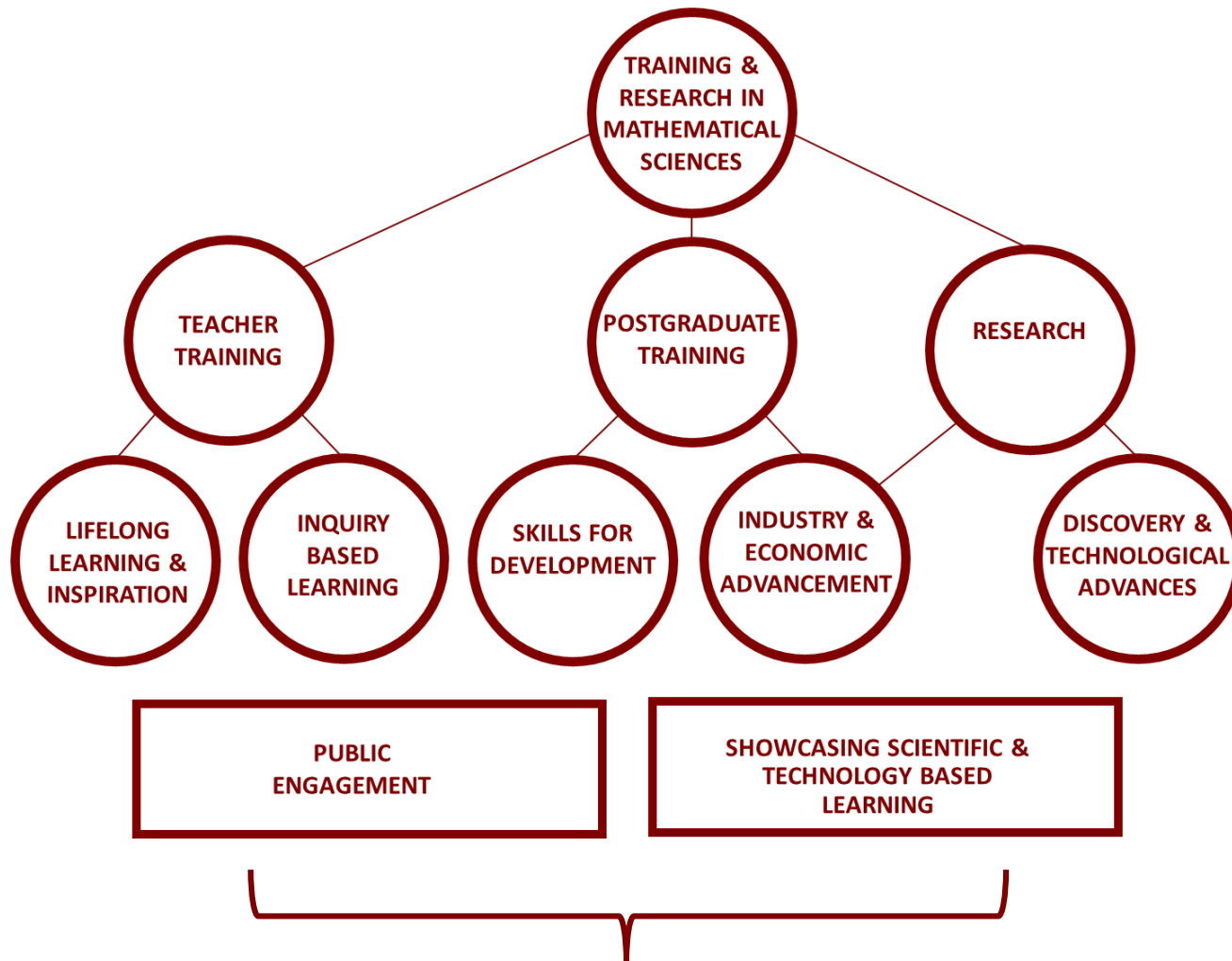


Its mission is to enable Africa's brightest students to flourish as independent thinkers, problem solvers and innovators capable of propelling Africa's future scientific, educational and economic self-sufficiency.

AIMS was founded in Cape Town, South Africa in 2003. Since then, AIMS centres have opened in Senegal (2011), Ghana (2012), Cameroon (2013), Tanzania (2014) and Rwanda (2016).

The pan-African network of AIMS centres is coordinated by the AIMS Next-Einstein Initiative (AIMS-NEI).

# AIMS KNOWLEDGE ECOSYSTEM



*Enabling Africa's brilliant young minds to solve problems, make discoveries and spark ideas for industry and economic advancement*

# WHAT AIMS SOUTH AFRICA OFFERS

- AIMS South Africa offers an intensive one-year Structured Master's in Mathematical Sciences, with intakes in August and January.
  - Broad-based interdisciplinary courses
  - Emphasis on problem-solving skills
  - Excellent local and international lecturers
  - Assisted by well trained tutors
  - One-year course divided into 3 phases:
    1. Skills
    2. Review
    3. Research Project

## Full bursaries available

- Specialised courses as part of regular honours and master's degree programs at SA universities
- Research and training workshops
- Local association with the Universities of Cape Town, Stellenbosch and Western Cape
- International association with the Universities of Cambridge, Oxford and Paris-Sud XI





# AIMS SOUTH AFRICA RESEARCH CENTRE



The Research Centre was launched with the mission to conduct and foster outstanding research and learning in the mathematical sciences, thus contributing to the next generation of pan-African leaders in many spheres and the advancement of African science and academia within a multicultural environment.

# RESEARCH

The research conducted has a strong focus on cutting-edge topics which relate to mathematical modelling in a multi-disciplinary context and research is integrated with postgraduate training and the development of young researchers.

Focus areas:

- Cosmology & Astrophysics
- Mathematical & Physical Biosciences
- Mathematical Finance
- Mathematical foundations & scientific computing
- Data Science & Information Systems

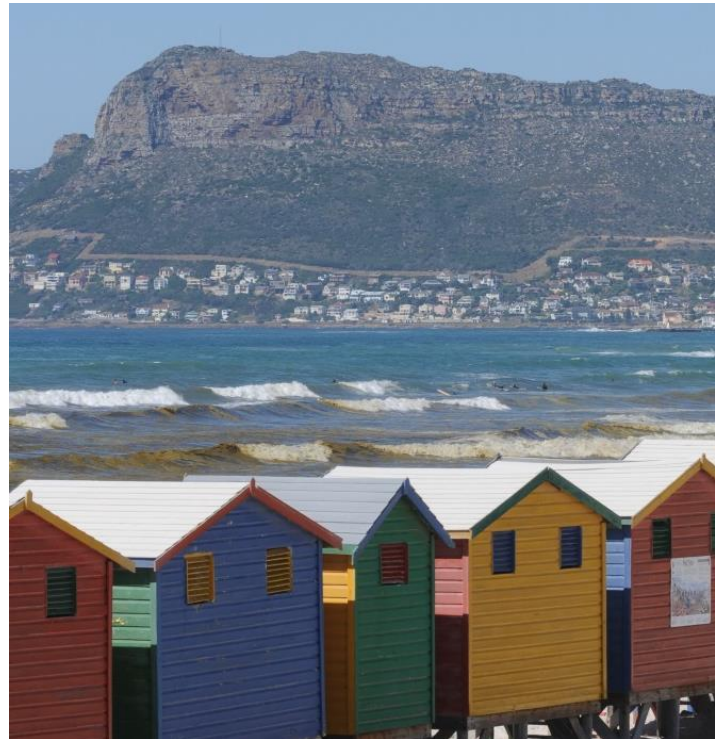
Two important themes:

- Mathematics for Development
- AIMS as a Doctoral Training Centre

cut across each of the research focus areas.

**Bursaries are available for Master's and postdoctoral studies**

# WHERE AIMS SOUTH AFRICA IS LOCATED



6 Melrose Road | Muizenberg | 7945 | Cape Town | South Africa | [www.aims.ac.za](http://www.aims.ac.za)