African Institute for Mathematical Sciences

Foghem Guy Gounoue, Bielefeld University

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African Institute for Mathematical Sciences

- a pan-African network of centres of excellence for postgraduate education
- research and public engagement in mathematical sciences.
- Africa is the first network of centres of excellence in mathematical sciences
## Main Goals of AIMS

- promote sciences in Africa
- provide research chair to the top scientists
- professional Development of young Africans
- enable Young and talented to promote themselves through the global network
- provide an intensive taught master to awarded students within one year
- provide some small research grant to the alumni

## Main Activities of AIMS

- training & Research (Good environment of research is provide working)
- publics engagement (visiting some local school or local industry)
- industry initiative (help and connect Graduates to industry)
- welcome partners and visiting researchers
- conferences, workshops and seminars
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Prof. Neil Turok
Founder of the AIMS Network
Director of Perimeter Institute

Thierry Zomahoun
President and CEO AIMS
African Institute for Mathematical Sciences

AIMS SOUTH-AFRICA (2003)

AIMS SENEGAL (2011)

AIMS GHANA (2012)

AIMS CAMEROON (2013)

AIMS TANAZANIA (2014)

AIMS RWANDA (2016)
African Institute for Mathematical Sciences

NETWORK WIDE ACHIEVEMENTS: 06 CENTRES

Our students come from 42 countries

2016
6 centres of excellence

2023
15 centres of excellence planned

AIMS is Connected to 42 Countries in Africa out of 54.
African Institute for Mathematical Sciences

Subjects
- Mathematics
- Physics
- Computer sciences
- Engineering subject

Students
- Every African studying in Africa is eligible
- 4-year university degree in mathematics, or any science with a significant mathematics component
- An applicant’s record should demonstrate strong aptitude in mathematics
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Services
- free of Charge to every awarded student
- own computer with 24/7 free access and the internet
- Meals and travel costs to successful applicants
- Free accommodation & monthly stipend

Lecturers
- outstanding African and international lecturers
- German well known professors
- supported by a team of resident tutors
**African Institute for Mathematical Sciences**

**ACHIEVEMENTS: 1,210 GRADUATES**

As of July 2016, 1,210 students - over 31% of whom are women - have graduated from AIMS 2003-2016: 43 nationalities, 60% in Africa

- PhDs: 34%
- Research Masters: 20%
- Teacher/Lecturer: 18%
- Unconfirmed: 14%
- Industry: 10%
- Seeking Employment: 6%
- PostDoc/Researcher: 5%
- Seeking study: 2%

**MATH TEACHER TRAINING PROGRAM (pilot phase in Cameroon to replicated in Africa)**

Ex: of publics engagement
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Funding Partners

Academics Partners

www.uni-bielefeld.de
Other Pan-African Institutions

Institute of Mathematics and Physics (IMSP) - Benin

Main subject at IMSP & CEA-SMA: Mathematics, Physics and Computer Sciences.
Study Program: PhD & Master degree

African Center for Excellence in Mathematics and Applications (CEA-SMA) - Benin

IMSP and CEA-SMA are supported by International Center for Theoretical Physics (ICTP) - Italy and World Bank.

Pan African University Institute of Water and Energy Sciences

PAU Provide Master in Water & Energy (Include Climate change). This program is fully supported by DAAD and the world bank.

DAAD