



# AIMS

## African Institute for Mathematical Sciences NEXT EINSTEIN INITIATIVE



### We are leading Africa's socio-economic transformation through



*Innovative scientific training*

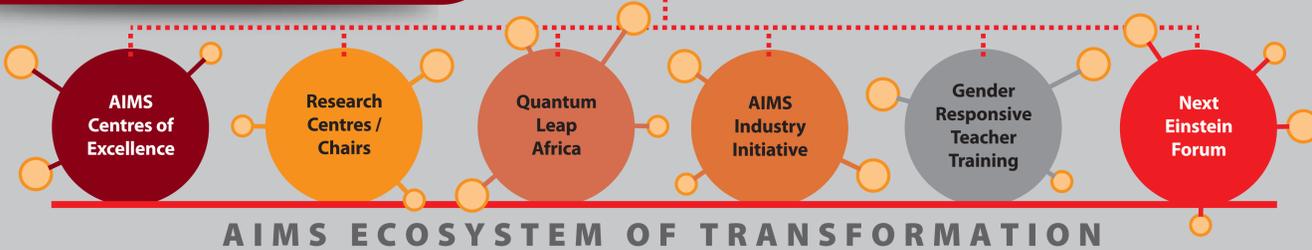


*Technical advances & discoveries*



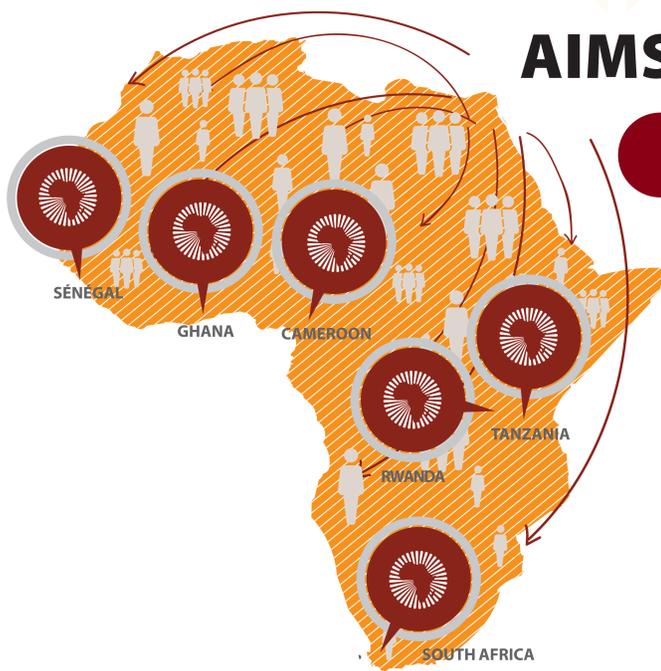
*Strategic foresight & policy design*

#### How are we doing this?



## AIMS Centres of Excellence

*Our students come from 43 countries*



### 2018

**6** centres of excellence



## Vision

*what the future holds*

The **transformation of Africa** through innovative scientific training, technical advances and breakthrough discoveries which benefit **the whole of society**.

## Mission

*how we plan to do it*

Enable Africa's **brightest students to flourish** as independent thinkers, problem solvers and innovators that propel Africa's future scientific, educational and economic self-sufficiency.

### We're enabling Africa's youth to shape Africa's future. Join us!



#### Training Africa's next generation of scientific leaders



*Unleashing Africa's scientific genius*

AIMS has over 1600 alumni from 42 African countries, 30 percent of whom are women.



*Connecting graduates to industry*

to conduct groundbreaking research with global impact on the African continent.



*Providing valuable technical talent*

to a network of partners in key industries including finance, health, energy, agriculture and ICT.



*Building the pipeline of African scientists & innovators*

by training their mathematics and science teachers in gender responsive pedagogy and engaging the public to improve learning outcomes.



#### Building Africa's global STEM profile & preparing for the future

africa  
science builder potential  
STEM women  
discovery  
mathematics  
doctor innovation engineering

*Promoting gender equality by influencing policies*

and changing attitudes to support women and girls in STEM.



*Creating partnerships for coordination of STEM*

initiatives and good STEM policy in Africa.



**NEXT EINSTEIN FORUM**

*Hosting Africa's global forum for science*

every two years in a different African country to celebrate the contributions of African scientists. As well, to get young people engaged in STEM, the NEF runs a yearly pan-African Africa Science Week.



#### Enabling cutting-edge research in Africa



*Facilitating curiosity-driven and applied research*

at AIMS Research Centres in various scientific and technical disciplines.



*Providing research chairs to Africa's top scientists*

to conduct groundbreaking research with global impact on the African continent.



QUANTUM LEAP AFRICA

*Preparing Africa for the quantum age*

through Quantum Leap Africa programs including upcoming African Masters in Mathematical Sciences.



*Engaging with women scientists and researchers*

to break down barriers and set a new precedent for future generations of African women.

### We believe the next Einstein will be African!

