

TRAINING AFRICA'S TOP MATHEMATICAL SCIENTISTS



OUR VALUES



EXCELLENCE



RESPECT



PAN-AFRICANISM



INTEGRITY



WE ARE CONTRIBUTING TO AFRICA'S SOCIO-ECONOMIC TRANSFORMATION THROUGH:





Technical advances & discoveries



Public engagement for the continent's scientific emergence

HOW ARE WE DOING THIS?



PROFILE OF AIMS ALUMNI



OVER
2200
ALUMNI
FROM 43 COUNTRIES SINCE 2003

















AIMS Rwanda was launched on 27 August 2016 as the fifth centre of excellence for postgraduate studies in mathematical sciences.

Since inception, the centre has trained a total of 244 students.Our academic staff comes from all over the world, giving a global learning experience to our students. AIMS fosters an environment of constant learning due to its 24 hour nature of the university that allows constant tutor-student interaction.

Its Pan-African nature helps the students learn about different cultures and opens up their minds and curiosity to solve problems across the continent post their education.

AIMS RWANDA STATISTICS

Launched

27
August 2016

Number of alumni since inception:

244 alumni (91 F, 153 M)





Percentage of women graduates since inception (AIMS Rwanda):

38%

Number of Alumni that remained in Africa from AIMS Rwanda: 67%



Number of Alumni that pursued further studies after AIMS Rwanda:

40%



The current number of students in 2020 -2021 Cohort AIMS Rwanda is 44 (17 F, 27 M)

FACTS ABOUT AIMS RWANDA



AIMS Rwanda was the **fifth centre of excellence** (out of 5 centres) of the AIMS
network to be created under the framework of
the Next Einstein Initiative in 2016



AIMS Rwanda has trained **244 students**, with **91 of them being women**

The current number of students in 2020 -2021 Cohort AIMS Rwanda = 44 (17 F, 27 M)



AIMS Rwanda was the first center in the network to host African Master's in Machine Intelligence (AMMI)



All our students dedicate 20 hours to mandatory community service activities each year.

AIMS Rwanda programs are especially designed to attract female scientists into the STEM pipeline, contributing to Rwanda's gender expected outcomes as defined in the country's initiative to promote girl education.



A GLANCE AT AIMS RWANDA PROGRAMS:

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Structured Master's Program

AIMS Rwanda offers an intensive structured Master's degree in mathematical sciences entailing 10 months of course work and research, followed by an oral defence. The program provides a strong grounding in end-to-end skills, from problem formulation, estimation, prioritization, and generally applicable mathematical and computing methods in big data, computer security and financial mathematics, to clear and concise scientific report writing. The aim is to equip students with the necessary tools and confidence for policy analysis and decision making. All candidates go through a rigorous application process, and should have a 4-year degree in mathematics or science discipline with a significant mathematics component. All selected candidates benefit from full scholarships.





Co-operative Education Program

Culminating in the AIMS Master's in mathematical sciences, this work integrated learning program spans through 18 months: 10 months of course work, six months of internship with appropriate industry, followed by an oral defence. Building on the Structured Master's program, the Co-op program allows students to apply their scientific knowledge to real-world problems. This program targets students with a background in mathematics or related sciences, strong leadership skills, with an engagement to invest in their communities. The fully funded Co-op program is implemented with the support of the Mastercard Foundation, Global Affairs Canada and public and private sector industry partners.



Master's in Mathematical Science – Climate Science Stream

In line with AIMS growing response to climate change, AIMS Rwanda offers a specialized master's in mathematical sciences with focus on climate science, preparing students to tackle climate change related challenges.



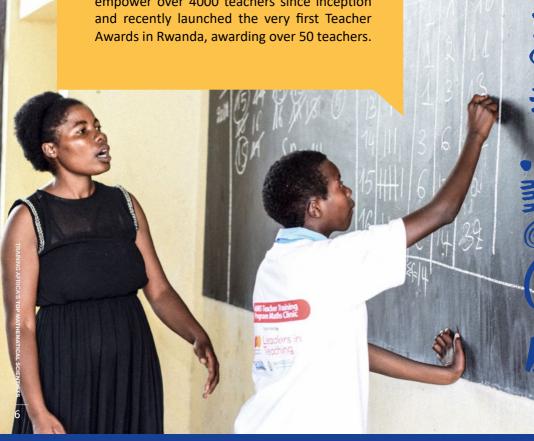
Teacher Training Programme

The AIMS Teacher Training Program (TTP) started in Rwanda in 2018 with a goal of improving learning outcomes in mathematics and sciences for secondary school students.

TTP operates in 14 districts in Rwanda and has managed to re-invent smart classrooms in these districts..

Through training workshops and high quality smart classrooms, TTP has managed to empower over 4000 teachers since inception and recently launched the very first Teacher Awards in Rwanda, awarding over 50 teachers.









OUR **STUDENTS**

AIMS Rwanda is currently hosting its 2020-2021 cohort, consisting of 44 students (17 women and 27 men) from 14 African countries.

- The students benefit from the experience of world renowned visiting professors who give lectures for a period of 3 weeks on a rotational basis.
- Permanent follow-up and capacity building is provided by the tutors who are available on campus, to enhance the 24-hour learning nature of the university.



MEET THE AIMS RWANDA TEAM



Prof. Dr. Sam Yala Centre President



Prof. Blaise Tchapnda Academic Director



Ariane Moïra Rutayisire Finance Officer



Emmanuel Kanamugire IT Manager



Francois Papin Niyonkuru Academic Support Officer



Eng. Aime S. Kabandana Facilities Manager



Aime Ishimwe Beza IT Intern



Beathe UwizeyeAdministration
Officer



Sylvie Uwase Office Coordinator



Maurice Cyubahiro Driver and Logistics Assistant



Methode Tuyisenge Driver and Logistics Assistant



Mutoni Sharon Programs Officer Intern



Rwagasore Bernard Communications Officer intern

MEET THE AIMS RWANDA TUTORS TEAM



Dr. Cornelie MitchaTutor



Dr. Armeline Dembo Mafuta Tutor



Dr. Razanajatovo Misanantenaina Valisoa Tutor



Jessica Weitbrecht
Tutor



Dr.Stive Roussel Tutor



Michel Murwanashyaka Tutor



Brian Kyanjo Tutor



Dr.Assionvi Hove Kouevi Tutor



Dr.Bourgeois Biova Irénée Gadjagboui Tutor



Yao Gahounzo Tutor Intern



Jennifer Ahiable
Tutor Intern

MEET THE AIMS RWANDA RESEARCH TEAM



Prof. Wilfred Ndifon Chief Scientific Officer



Dr. Prince Osei Director QLA



Dr. Bamba Sylla Research Chair



Prof. Franca HoffmannAIMS-Carnegie Research
Chair in Data Science
QLA



Dr. Isambi Sailon MbalawataResearch and Scientific
Development Manager



Teta Bahunde Project Manager, AMMI



Dr. Nana Ama Klutse-Browne AIMS Canada Resident Researcher in Climate Change Science



Dr. Abdoelnaser M Degoot,Postdoctoral
Researcher



Dr. Christine WarugabaSenior Administrative
Officer,Research

MEET THE AIMS RWANDA RESEARCH TEAM



Dr. Rosita Yocgo, Resident Researcher



Dr. Alima Dajuma AIMS Canada Postdoctoral Fellow, Research



Dr Ndeye Yacine BarryPostdoc In Climate
Change, Research



Dr. Moustapha TallAIMS Canada
Postdoctoral Fellow,
Research



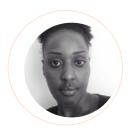
Molly Mutesi Project coordinator QLA



Cedric Shema Full Stack Developer, Research



Dative Tuyisenge Project Coordinator, HIMAI



Carine Umulisa Research Support Officer



Methode Tuyisenge Driver and Logistics Assistant

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International Partners

Johnson Johnson





























----- Other Supporting partners































































































































Requirements:

Applicants should hold a 4-year degree in mathematics or any science discipline with a significant mathematics component.

Why study at AIMS:

- World renowned lecturers from across Africa and around the world supported by a team of resident tutors.
- Students and lecturers live on campus to encourage a 24-hour learning environment.
- · Group work and highly interactive learning setting.
- Emphasis on programming and data science with 24/7 access to computer labs and high speed internet.
- A diverse student body from across Africa.
- · Candidates are highly accepted in employment and higher learning institutions upon graduation.
- All candidates get a full scholarship.

APPLY NOW

How to apply:

Visit the "Apply" menu @ nexteinstein.org and click on the program of your choice.

Women and socio-economically disadvantaged persons are strongly encouraged to apply.





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