



unesco

Category 2 Centre
of Excellence

11th Graduation Ceremony

AIMSGrad



Saturday,
August 12,
2023

@ AIMS Ghana Campus
East Legon Hills, Accra



Congratulations Class of 2023!



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Order of Proceedings

10:00 am Guests Seated

10:10 am Procession

Members of Convocation

- Tutors
- Heads of Departments
- Deans of Schools of Graduate Studies
- Vice-Chancellors of Partner Universities
- Canadian High Commissioner
- German Ambassador to Ghana
- Special Guest Speaker
- Keynote Speaker
- Board of Trustees

10:20 am National Anthem

God bless our homeland Ghana,
And make our nation great and strong,
Bold to defend forever,
The cause of Freedom and of Rights.
Fill our hearts with true humility
Make us cherish fearless honesty,
And help us to resist oppressor's rule
With all our will and might for evermore.

10:25 am Congregation is constituted by Board Representative
AIMS Ghana

10:30 am Welcome Address by Ms. Adelaide Asante
Chief Operating Officer, AIMS Ghana

10:35 am Address by Dr. Prince Koree Osei
Centre President, AIMS Ghana

10:55 am Address by H.E. Daniel Krull,
German Ambassador to Ghana

11:05 am Interlude

11:10 am Congratulatory Messages

11:20 am Speech by Tutors' Representative

11:25 am Valedictory Speech

11:30 am Motivational Speech by Guest Speaker - Dr. Bernard Bainson, Lecturer, Dept of Math, KNUST - AIMS Alumnus

11:45 am Interlude

11:50 am Keynote Address by Hon. Dr. Yaw Adutwum
Minister of Education, Ghana

12:10 am Presentations/Recognition and Awards by
Dr. Rhoda Joy Hawkins, Academic Director, AIMS Ghana

12:20 am Conferment of Degrees by Partner Universities

12:50 pm Vote of thanks/ Closing Remarks by Mrs. Beauty Beatrice Kwawu, Prog. Manager, AIMS Ghana

13:00 pm Congregation dissolved by Board Representative

Recession

Members of Convocation

- Board of Trustees
- Keynote Speaker
- Special Guest Speaker
- Canadian High Commissioner
- Dean of Schools of Graduate Studies
- Heads of Departments
- Tutors
- Graduates

Photography Session:

Order -

- Board Members, Guest of Honour and Invited Speakers
- Board Members, Guest of Honour and Invited Speakers with:
 - i. Partner Representatives and AIMS Management
 - ii. All Graduates

- AIMS Management and Academic Partner Universities with:
 - i. UCC Affiliated Students Only
 - ii. KNUST Affiliated Students Only
 - iii. UG Affiliated Students Only

- Group & Individual Pictures of Graduates

About The African Institute for Mathematical Sciences, Ghana

AIMS is a non-profit pan-African network of centres to deliver excellent teaching, research, and education in mathematical sciences. AIMS is Africa's first network of centres of excellence for post-graduate scientific training, research, industry and public engagement in mathematics and the allied sciences. Our mission is to enable Africa's brightest students to flourish as independent thinkers, problem solvers and innovators capable of propelling Africa's future scientific, industrial, educational and economic self-sufficiency. Founded in 2003, AIMS currently has six centres across Africa; South Africa, Senegal, Ghana, Cameroon and Rwanda.

AIMS Ghana is the third centre of excellence in the AIMS-NEI ecosystem. Founded in 2012 under the able leadership of the late Professor Francis K. A. Allotey. AIMS Ghana has since graduated over 500 students from 25 African countries, 33% of them being females. AIMS students are trained to apply mathematical skills to solve problems in finance and banking, health, information and communication technology, food production, climate change forecasting and modelling, natural resources management etc.

In the 2019/20 academic year, AIMS Ghana hosted the African Masters in Machine intelligence program - the first of its kind in Africa, which prepares well-rounded machine intelligence researchers who respond to both present and future needs of Africa and the world.

As part of measures to effect changes in the area of STEM in Ghana, AIMS Ghana launched two flagship programs; the Masters of Mathematical Sciences for Teachers (MMST) and the AIMS Girls in Mathematical Sciences Program (GMSP) in November 2020. The MMST equips mathematics teachers with the right tool, skills and knowledge to facilitate the teaching and learning of mathematics. The GMSP is designed to give girls in high schools the needed mentorship to pursue STEM-related fields in their future academic careers to bridge the huge gender gap in that sector.

Over the last decade, AIMS Ghana has been a partner to three national universities, the University of Ghana, the University of Cape Coast and Kwame Nkrumah University of Science and Technology. Academics from our partners are involved in curriculum development, student selection, teaching, research and assessment at the institute. Our partners also award the Masters of Science in Mathematical Sciences certificate to our students after they have completed their studies.

Having recently celebrated its 10th anniversary a year ago, AIMS Ghana remains poised to continue in its contributions to scientific excellence. as the Centre continues to evolve its growth recording many milestones. Laudable among these achievements was its rise to the position of a UNESCO Category II Centre of Excellence in the year 2018. As part of the anniversary festivities in 2022, the Center set an exceptional record by awarding Msc. degrees in the Mathematical Sciences to an unprecedented cohort of 100 students during its 10th graduation ceremony.

With over 500 graduates, at the Centre level and over 2700 graduates at the network level, 70% of alumni have continued their studies in prestigious universities within and outside the continent, in the mathematical sciences and related fields. It is also worthy noting that about 60% of graduates are recorded to remain in Africa, contributing to scientific teaching, research and industrial development.

AIMS Ghana Board of Trustees



Prof. Neil Turok
Chair, AIMS International
Governing Board



Prof. Jophus Anamuah-Mensah
Executive Chair of Teacher
Education in Sub Saharan
Africa



Prof. Mrs. Esi Awuah
Board Member and Distinguished
Academic Administrator



Rev. Prof. Samuel K. Adjepong
Prominent Academic
Administrator and Rev. Minister



Prince Kofi Amoabeng
President of UT Holdings



Ama Serwah Nerquaye-Tetteh
Secretary-General of the Ghana
National Commission for UNESCO

Congratulatory Message from the Board

Esteemed Graduands,

Heartfelt congratulations on your remarkable accomplishment of completing the MSc in Mathematical Sciences at AIMS Ghana. We take immense pride in commemorating this pivotal juncture in your journey as dedicated Master's students who have devoted the past ten months to the AIMS community, culminating in the successful culmination of the program. Your attainment contributes to the tapestry of achievements woven by AIMS Ghana and the broader AIMS network. While your path undoubtedly traversed challenges, the wealth of knowledge and skills acquired ennoble every effort. Armed with indispensable expertise, you are poised to embrace leadership roles on the global stage. As stewards of the Board of Trustees, we hold sanguine expectations for your future exploits. As beneficiaries of a prestigious scholarship, we urge you to rise to excellence and effect positive change in the arenas you traverse.

During your sojourn at AIMS Ghana, you assimilated not only knowledge but also invaluable life tenets such as collaboration, perseverance, diligence, excellence, and pan-Africanism. These tenets should be your compass as you navigate the terrain of effecting transformation. Today, you ascend to join the ranks of over 500 esteemed AIMS Ghana Alumni spanning the globe, as well as the extensive network of over 3000 alumni catalyzing change in lives, communities, and the world at large.

We extend profound recognition to all those who contributed to your edification – the administrative team, erudite faculty, benefactors, collaborators, and champions. Their unwavering commitment played an instrumental role in your triumph. We convey deep gratitude to the Center President and the team for their indefatigable dedication to your growth. Our acknowledgements also extend to the Governments of Ghana and Canada, along with the benevolent MasterCard Foundation, whose patronage endowed you with education and thus paved the path you embarked upon.

As you stride into the wider world, remember that you carry the beacon of erudition and distinction. Forge ahead, embrace the prospects before you, and illuminate our spirits with your accomplishments!



*SPEECH BY DR. PRINCE KOREE OSEI, CENTRE PRESIDENT OF AIMS GHANA -
11TH GRADUATION CEREMONY, 12TH AUGUST 2023*



Hon. Minister for Education, His Excellency the German Ambassador to Ghana, AIMS Ghana Board of Trustees; Provosts, Deans and Heads of Department of Associated Universities, Distinguished Guests; Parents, Guardians, Relatives and Friends of the Graduands; Graduands; Ladies and Gentlemen, Good Morning.

It is my pleasure to welcome you all to the eleventh graduation ceremony of AIMS Ghana.

I would like to extend a special welcome to our keynote speaker, the Hon. Minister for Education, Dr. Yaw Osei Adutwum, H. E Daniel Krull, German Ambassador to Ghana, representatives from Partner institutions including the MasterCard Foundation, and our guest speaker, Dr Bernard Bainsan, for gracing this occasion.

The goal of the African Institute for Mathematical Sciences (AIMS) is to transform Africa through innovative scientific training and research by creating opportunities for bright young Africans to develop their potential. Over the past 20 years, the AIMS Global Network has been creating a critical mass of unique thinkers in Africa who are wired to solve world problems through the Sciences. Since its inception in 2012, AIMS Ghana has graduated over 500 students from 25 African countries, 33% of whom are females. The centre has been building research capacity in areas of opportunity for Africans in Pure and Applied Mathematics. Several programs and activities were undertaken in the past academic year. These programs and activities are in line with our core objectives as a UNESCO Category II Centre of Excellence and with the AIMS Global Network. This address highlights activities from our strategic pillars for the 2022/2023 academic year.

POST GRADUATE TRAINING:

MSc Mathematical Sciences

Due to funding delays, the AIMS Ghana regular structured Masters program for the 2022/2023 Academic year began late on 7th November 2022, with a total of 38 students from 15 African countries, made up of 12 females and 18 Ghanaians. Twenty-five (25) lecturers from different Universities across the world gave courses in different mathematical fields. Out of the total of students, 37 have through hard work and dedication, completed their studies and they are here to be graduated with a Master of Mathematical Sciences degree today and we celebrate their achievement. The one student who has not yet finished delayed her project due to childcare. During their entrepreneurship course, they worked in teams and presented bids, developing vital entrepreneurship and personal development skills needed in the job market.

MSc Mathematical Sciences for Teachers

Recognising the need to support capacity building for teachers in Senior High schools and Colleges of Education, AIMS Ghana launched the Master of Mathematical Sciences for Teachers (MMST) program in November 2020. This is a two-year hybrid program with 70% online and 30% residential aimed at providing current teachers of Maths, Computer Science and Physics with a deeper understanding of the foundations of core secondary school and college curricula.

Focusing on Maths and areas of applications of modern maths, the MMST program aims at developing the capacity of teachers for higher learning and research. This year's enlarged cohort of 70 MMST students, made up of 26 females from across Ghana and has now completed the first year of the program. A particular highlight of this year was the Helping Teachers Teach Mathematics conference held at AIMS Ghana in January in collaboration with the Centre for Education in Mathematics and Computing at the University of Waterloo.

The MMST program is currently being implemented with support from the Government of Ghana through the Ministry of Education within the UNESCO Category II arrangement.

The Centre also welcomed a new Academic Director this year to help with the running of academic programs. Dr Rhoda Joy Hawkins started working with us in January 2023 and has been a great addition to the team at AIMS.

RESEARCH:

AIMS Ghana Research Center currently focus on three research areas: Stochastic Analysis and Applications; Mathematical Biology; and Quantum Algebra and Quantum information. The Stochastic Analysis and Applications group is headed by Prof. Olivier Pamen's (German Research Chair), while the Mathematical Biology group is headed by Prof Nick Monk (a new German Research Chair who started in September 2022). The third research focus, the Quantum Algebra and Quantum Information group is headed by Dr. Prince Koree Osei (Centre President).

The German Research Chair programme which is funded by the German Federal Ministry of Education and Research (BMBF) through the Alexander von Humboldt Foundation, is designed to help strengthen Mathematical higher education and research in Africa, promote networking between AIMS Ghana and German higher education institutions, and support networking amongst the various AIMS centres in Africa. Two of our PhD students, Rhoss Pellat and Edward Korveh, have been beneficiaries of this program and have recently submitted their PhD theses for which we congratulate them.

PUBLIC ENGAGEMENT AND OUTREACH:

At AIMS we believe in diversity and inclusion. History shows that Science has actually benefited from diversity – diversity in people, culture and race. In the past academic year, the following were the key public engagement and outreach events that took place:

Girls in Mathematical Sciences Program (GMSP)

The Girls in Mathematical Sciences Program (GMSP) is an exciting and challenging nine-month program created for bright, curious and creative female high school students to unlock their potential in the mathematical sciences. Launched in 2020, the AIMS GMSP is funded by the Government of Ghana through the Ghana Education Trust Fund (GETFund) under the Girls in STEM program. In November 2022, 40 girls from 37 Senior High Schools in 15 regions of Ghana making the 2nd Cohort completed the program with many of them gaining university admissions to read STEM-related programs in the January admission. For the 3rd cohort, 50 girls from Senior High Schools in all 16 regions of Ghana have been recruited awaiting funds to implement the program.

Mastercard Foundation Scholars Activities

The 2022/2023 cohort of the Mastercard Foundation Scholars led a number of activities in line with their action plan for the year. In February 2023, the scholars visited the Kpone Katamanso Municipal Assembly (KKMA) Junior High School where they motivated students to develop an interest in studying mathematics and helped them improve their understanding of several mathematics concepts. In collaboration with the KKMA, the scholars organised a clean-up exercise in Santeo as part of their give-back to the community. From April to July 2023, the Scholars held a regular Sunday Maths Initiative, where they taught maths to basic school children in the Santeo environs at the AIMS Ghana campus as part of their voluntary service to the community. An average of 64 students, 80% of whom were Basic Certificate Examination candidates, actively participated in these sessions. To equip Scholars with the relevant skills, AIMS management organised two leadership training sessions for the 20 Scholars which encouraged them to practise the values of the Scholars Program as well as leadership in their everyday life. Furthermore, three of the Scholars were sponsored by the Centre to participate in the *Made in Africa Leadership Training* held at the Marriot Hotel in Accra on the 14th and 15th of June 2023.

Advocacy Implementation on the 2017 UNESCO's Recommendation on Science and Scientific Researchers

Within the UNESCO-SIDA project "Strengthening STI Systems for Sustainable Development in Africa," the African Institute for Mathematical Sciences (AIMS) Ghana collaborated with UNESCO Ghana to promote the UNESCO Recommendation on Science and Scientific Researchers (RS|SR) to the private sector. The RS|SR consists of 10 key recommendations that highlight the importance of supporting and protecting the goals and values of science for its flourishing. The initiative encompassed virtual forums, social media campaigns, and in-person workshops to increase awareness of the RS|SR and engage stakeholders, particularly women in science. Three workshops were held across Ghana's zones, sensitizing around 250 women researchers about the RS|SR's key areas and assessing capacity needs for its implementation. These workshops facilitated discussions on science's role in national development and addressed issues facing women in science. AIMS Ghana's efforts led to the successful awareness-raising of the RS|SR and garnered support from female researchers. By fostering collaboration, knowledge-sharing, and empowering women's participation in the scientific realm, the project contributed to both national and global developmental goals.

International Day of Women and Girls in Science 2023

The Center marked the 2023 International Day of Women and Girls in Science (IDWGIS) by organizing a Forum that brought together over 500 participants. The IDWGIS which was celebrated on 10th February 2023, was focused on the theme of sustainable and equitable development through Innovation, Demonstration, Elevation, Advancement (IDEAS), and sustaining gains in science. The celebration aimed to highlight the crucial role of women and girls in science in achieving the Sustainable Development Goals (SDGs) and strengthen the connections between science, policy, and society.

With funding from Henry Luce Foundation, AIMS Ghana and the AIMS Women in STEM partnered with the Women in STEM (WiSTEM) of KNUST and the University for Development Studies to organize the forum. The Forum was organized simultaneously in three venues; the University of Ghana, KNUST and UDS- Nyamkpala Campus with all three venues connected online. The event received media coverage, with news items published by Ghanaian Times and Ghana Broadcasting Corporation, ensuring broader dissemination of the celebration and its messages. The forum communique reaffirmed the role of women and girls in science in implementing the SDGs and called for government action to create an enabling environment for science, policy, and society.

Celebration Of The International Day Of Mathematics, 2023- Diversity, Equity And Inclusivity

The collaboration between the African Institute for Mathematical Sciences (AIMS) Ghana and the Mathematics Department of the University for Development Studies (UDS) in Tamale, with support from the Henry Luce Foundation, resulted in a successful celebration of the International Day of Mathematics (IDM) on March 14, 2023. The theme of the celebration, "*Mathematics for Everyone*", focused on addressing the core issues of Diversity, Equity, and Inclusivity.

The event included various activities, such as teaching and mentorship sessions in local Junior High Schools (JHS), a fireside chat for female high school students, and a forum that brought together diverse stakeholders. The celebration highlighted the importance of mathematics education and its potential to empower individuals from all backgrounds, emphasizing the need for inclusive mathematical communities. The event received strong support from academic institutions, policymakers, and the general public, reflecting the significance of the IDM in promoting mathematics and its impact on society.

Inaugural Allotey Public Lecture and Climax of AIMS Ghana at 10 celebrations

The inaugural Allotey Public Lecture, established in memory of Prof. Francis K. A. Allotey, a distinguished mathematical physicist, was a tribute organized by AIMS Ghana. Being the maiden edition which took place on 9th August - his birthdate, the lecture marked the culmination of AIMS Ghana's 10th-anniversary celebrations and gathered participants from diverse sectors. The lecture provided a platform for exploring scientific solutions to global challenges, fostering idea exchange, and discussing technological approaches to development and economic growth. Esteemed scientists, including AIMS Global founder Prof. Neil Turok and Prof. Dame Jocelyn Bell-Burnell, delivered presentations in astrophysics based on their research fields of interest and paid homage to Prof. Allotey's legacy while emphasizing the potential of African youngsters in driving scientific breakthroughs and responsibly addressing global issues.

Collaborative Events

There have been a number of other collaborative events where our Centre partnered to host including the Bettering Entrepreneurial Training Conference with Sciences PO, the Gender Summit with Portia Limited, U.K and finally the Africa Science Week Celebrations with support from the Next Einstein Forum.

AIMS ENTREPRENEURSHIP AND INDUSTRY INITIATIVES:

Industry Immersion Program

AIMS Ghana collaborated with Industry Immersion Africa and ESMT to conduct an impactful Industry Immersion Program (IIP) for its 2022 graduating class, aiming to equip students with skills for success in industry and entrepreneurship. The program ran from July 4 to August 5, 2022, welcoming 22 graduates from eight countries, and showcasing international diversity. AIMS Ghana also extended its doors to welcome a foreign alumnus from Ashesi University to participate in the 2022 IIP. Notably, a Science Slam competition tested participants' ability to convey scientific ideas clearly. The IIP not only readied graduates for the job market but also cultivated community spirit, reinforcing AIMS Ghana's reputation as a top institution for fostering industry-prepared graduates and entrepreneurship.

StArfrica Project

The StArfrica project is a groundbreaking initiative funded by the German Federal Ministry for Economic Affairs and Climate Action and implemented by the University of Koblenz (Germany) through the African Institute for Mathematical Sciences (AIMS) in Ghana. It aims to promote business start-ups with a focus on innovation in Ghana. Additionally, the project aims to raise awareness among innovative start-ups in Germany about potential market entry opportunities in Africa by providing relevant information and contacts. The AIMS Ghana StArfrica Incubation Hub was launched in May 2023 along with the call for applications. After rigorous screening, the final 10 participating teams of 3 include 5 AIMS Ghana teams.

ORGANIZATIONAL EXCELLENCE AND SUSTAINABILITY

It was with great sadness and thanksgiving that we mourned the passing of Prof. Edward S. Ayensu, the Chairman of the AIMS Ghana Board of Trustees, with his funeral on 12th May 2023. We are now seeking a new Board of Trustees chair.

FUTURE OUTLOOK

In the next academic year which begins in September 2023, AIMS Ghana will continue to strengthen the training and research programs. In preparation for that, we will be moving to a new site on Spintex Road, Accra. Distinguished Ladies and Gentlemen, permit me to acknowledge the contributions and sacrifices of our diligent and reliable Academic and Administrative staff both in Ghana and across the AIMS Global Network for their commitment to the vision of AIMS.

I want to also express particular thanks to the Founder and Chair of AIMS-NEI, Prof. Neil Turok and the Board of Trustees of AIMS Ghana for their supervisory role in safeguarding the ideals of AIMS and ensuring that we continue to remain focused on our objectives. We are particularly grateful to all Parents, Guardians, Lecturers and Tutors for their support and to all who have helped to make this day possible, I say Ayekoo.

Finally, I wish to send out a hearty congratulations to you our graduands because many accomplishments have brought you to this day. We have defied the odds, we have been inspired and we have been enlightened by our efforts. Our Valedictorian for this academic year has perfected excellence in achieving distinction in every course. He has even been nicknamed Ramanujan by his fellow students after the Indian genius of pure mathematics.

AIMS graduands, as you embark on the next phase of your lives, I urge you to put to efficient use, the skills and training that you have acquired during your stay at AIMS Ghana to champion the growth and development of the African continent and the world at large. I entreat you to be innovative, daring and inspiring. I encourage you to join the AIMS alumni network and share ideas to keep AIMS on its toes in delivering excellent STEM education in Africa.

We look forward to reading about you making breakthrough scientific discoveries, overcoming challenges, doing the impossible and inspiring the next generation. Thank you.

Deans and Heads of Departments of Partner Universities



Kwame Nkrumah University of Science and Technology



Professor Eric Kwabena Forkuo
Director of Graduate Studies



Rev. Prof. William Obeng-Denteh
Head of Department - Mathematics



University of Cape Coast



Professor (Mrs.) Sarah Darkwa,
The Dean of Graduate Studies



Professor Ernest Yankson
Head of Department - Mathematics



University of Ghana



Professor Robert Darko Osei
Dean of Graduate Studies



Dr. Ngozi Peace Chisara Ogbogbo
Head of Department - Mathematics

Profiles of Keynote Speakers



**Hon. Dr Yaw Osei Adutwum,
Minister for Education**

Hon. Dr. Yaw Osei Adutwum (MP) is currently the Minister for Education of the Republic of Ghana and the Chairman of the Ghana Commission for UNESCO. He is the Member of Parliament (MP) for the Bosomtwe Constituency in the Ashanti Region of Ghana. He was the Chief Executive Officer of Lakeview Schools in Jachie in the Ashanti Region before his election as an MP. He was also the CEO and Founder of New Designs Educational Group, California, USA. He has decades of experience in educational policy, planning, and administration. Renowned for his philanthropy, Dr. Adutwum personally sponsored 97 students from his

constituency in pursuing Engineering and Medicine degrees within two years. He is committed to furthering higher education opportunities for eligible constituents in these fields. With a Doctor of Philosophy Degree in Educational Policy and Administration from the University of Southern California (USC), he has engaged internationally through UNESCO conferences, ASCD membership, and an advisory role at UCLA's Capacity Building Center. His involvement extends to the High-level UN Advisory Group for Mission 4.7, aligned with the global Sustainable Development Goals. Formerly Deputy Minister for Education, he now serves as Ghana's Minister for Education.



**H.E. Amb. Daniel Krull,
German Ambassador to Ghana**

Ambassador Daniel Krull is a highly experienced diplomat whose journey spans diverse achievements. Beginning with studies in Hamburg, specializing in economics and political science, he continued his education at the German Development Institute. Commencing his career with research in Berlin, he later held significant positions in the Brandenburg State Chancellery.

In 1992, Ambassador Krull entered the higher foreign service, embarking on impactful international endeavors. His roles included notable stints in Buenos Aires and Ho Chi Minh City, highlighting his expertise in diplomacy.

He made significant contributions during Germany's non-permanent Security Council membership, consulting at the United Nations in New York. Adept leadership led Ambassador Krull to head divisions within the Federal Foreign Office. He returned to Buenos Aires as the ambassador's permanent representative and later became the Regional Coordinator for Flight and Migration in Ankara. In 2020, he coordinated international human resources policy before assuming the ambassadorial role in Accra, Ghana.

Profile of Alumni Guest Speaker



**Dr. Bernard Oduoku Bainson,
Lecturer, Dept. of Mathematics, KNUST,
AIMS Ghana Alumnus**

Dr. Bernard Oduoku Bainson is a mathematician, dedicated lecturer, and passionate advocate for empowering the next generation through education, especially within the Mathematical Sciences.

He completed his Bachelor's Degree in Mathematics from the University of Cape Coast as well as an MSc. in Mathematical Sciences from AIMS Ghana. He then proceeded to pursue a PhD program focused on Algebra at the Heriot-Watt University, Edinburgh, U.K. Here he built his research interests in using discrete and combinatorial techniques to investigate algebraic objects such as semigroups, groups, and ordered groupoids as well as investigating possible connections with other areas in mathematics.

With close to 10 years of experience in academia, Dr. Bainson has not only excelled in teaching complex and abstract mathematical concepts but has also demonstrated an unwavering commitment to nurturing the minds of young learners.

Beyond the mathematical sciences, Bernard is recognized for his profound dedication to uplifting youth and fostering a love for learning. Driven by a vision of equitable education, he has consistently invested time and resources into supporting his students over the years to enrich their educational experiences.

Dr. Bainson's philanthropic footprint has been evident over the years he has served at AIMS. After completing his PhD in the U.K. he believed that returning to Ghana to contribute to growing the knowledge pool in the field was very important. Supporting AIMS, his alma mater was how he began this journey, first in Rwanda as a tutor and subsequently as a course instructor. Even after he had joined Kwame Nkrumah University of Science and Technology (KNUST) as a Lecturer, he continued to serve at AIMS Ghana in the capacity of a course instructor and later as Academic Manager until early this year, 2023.

During his period at AIMS Ghana, Bernard lectured courses particularly in Algebra - Mathematical Problem Solving, within the regular Master's Program, the Master's in Mathematical Sciences for Teachers Program as well as the Girls in Mathematical Sciences Program. In the capacity of Academic Manager, he also aided students in understanding their course selection to ensure that it aligns with their preferred career trajectory. Through these efforts, Dr. Bainson has made a tangible difference in the lives of countless students, opening doors to knowledge and opportunities, and conveying his dedication to supporting youth education as a mathematician and an educator.

In addition to his love for Mathematics, he is a football fanatic and also enjoys visiting the cinema or the opera.

2022/23 Academic Year



Dr. Rhoda J. Hawkins
Academic Director

Tutors



Dr. Getachew A. Demessie
Mathematical and
Computational Modeling



Dr. Eva Vidlickova
Scientific computing and
stochastic numerical methods



Dr. Latévi M. Lawson
Quantum Physics, Quantum
probability, Hopf algebra



Rhoss B. L. Pellat
Forward-Backward Stochastic
Differential Equations

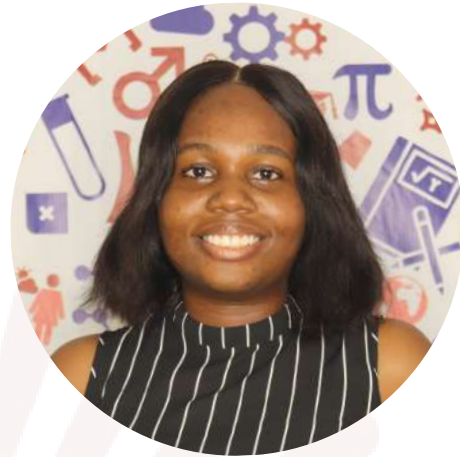


Fred Soglohu
Quantum groups in Topological
Quantum Computing

Awardees



Valedictorian
(Overall Best Graduating Student)
Judikaël ALLEHOU



Emmy Noether Awardee
(Best Graduating Female Student)
Maame Ama BAINSON

F.K.A Allotey Meritorious Award Recipients

Awarded to students with academic distinction



Abderrahmane LABANE



Judikaël ALLEHOU



Emmanuel Dery
MAALE



Jordan K. Buwa
MBOUOBDA



Maame Ama BAINSON



Michael AKOTO



Alfred Kofi ADZIKA

Student Affiliation to Partner Universities-Regular Masters

Kwame Nkrumah University of Science and Technology - KNUST

Bhekinkosi NDLOVU

Zimbabwe



AIMS Ghana was a great place to improve my mathematical and programming skills, supported by brilliant academic instructors from across the globe. I look forward to paving a career in machine learning.

Elisha ERZOAH

Ghana



My time at AIMS has been enlightening, nurturing my independent thinking, problem-solving and programming skills. Interacting with diverse individuals from across Africa was invaluable. Modeling cell signaling processes in my thesis has sparked my interest in further exploration of biological processes.

Hormisdas Ntahombagana MATABARO

D.R. Congo



At AIMS I learned to give without expecting anything in return and never to give up. I developed my knowledge of dynamic systems, especially in biology and economics, and reinforced my leadership skills.

Hilda Adjorkor KRAKU

Ghana



AIMS nurtures potential and serves as a stepping stone to greater heights. I have been equipped with problem-solving, and leadership skills to excel and make a positive impact in society. I became interested in Data Science after taking courses in the subject and intend to incorporate into my future career.

Desire Mbakire KUTEESA

Uganda



AIMS has played a significant role in shaping me into a more confident and determined person. Along the way, I've gained a stronger belief in my abilities and skills to bounce back from challenges. Through my research project, I also found an interest in pursuing a career in biostatistics.

Emmanuel Dery MAALE

Ghana



AIMS has been a transformative experience, enhancing my problem-solving, analytical, and Python programming skills. AIMS has also taught me to be focused and helpful, to be more self-reliant, and to collaborate effectively. I aspire to pursue a career in mathematical physics.

Komlan Samuel ZANOU

Togo



Studying at AIMS Ghana provided me with the most opportunities for growth, vision, and knowledge. Using machine learning algorithms to predict and classify diseases throughout my thesis piqued my interest, and I chose to pursue a career in this sector.

Jordan Kevin Buwa MBOUOBDA

Cameroon



AIMS have been full of life changing learning and personal growth possibilities. I sharpened my mathematical & programming skills by the help of excellent lecturers and tutors worldwide. My goal is to solve real-world problems using Mathematics. I am eager to use my talents to contribute to Africa's development.

Maame Ama BAINSON

Ghana



My AIMS experience has been an enriching one filled with memories, lessons, and transformation. AIMS taught me that, despite how difficult things may appear to be, giving up is never an option. With this zeal instilled in me by AIMS, I intend to pursue Applied Mathematics to the highest level.

Revian Awour OMOLLO

Kenya



AIMS has been a transformative experience that opened possibilities, growth, and discovery. Surrounded by diverse minds, I acquired programming & mathematical skills. Ooh! The beauty of mathematics paved the way for my journey to become a data scientist. My goal is to leverage data-driven insights for meaningful real-world impact.

University of Ghana

Eugene Tettey AYERKAIN

Ghana



My journey at AIMS Ghana has been life-changing, building my resilience, problem-solving, & programming skills. My exposure to different areas of mathematical sciences through experts from across the globe helped me develop a keen interest in Applied mathematics & Data science and I look forward to developing a career in those areas.

Michael AKOTO

Ghana



My experience with AIMS has been incredibly positive. It has exceeded my expectations by teaching me practical applications of mathematics that I didn't anticipate. It has shown me that mathematics is much more than what we traditionally think of it. This experience has motivated me to explore more.

Sodiq Abiodun MOJEEED

Nigeria



Studying at AIMS is the most challenging but exciting educational endeavour I have ever embarked on. The high-quality teaching, training and exposure I received have undoubtedly improved my mathematical competence and preparedness for PhD in Mathematics.

Gaspard NKUNZIMANA

Burundi



My journey at AIMS was truly enriching, as it provided me with the unique opportunity to connect with students from across Africa and learn from distinguished lecturers worldwide. I gained advanced skills in mathematical, statistical, and programming fields which I am determined to leverage in addressing pressing challenges faced by communities, using data-driven solutions to make a positive impact on their lives for sustainable development.

Godwin Nii Aryee TETTEH
Ghana



AIMS has enhanced my critical skills and has equipped me with scientific tools needed to initiate change. My perspectives has been challenged and I have been tailored into a positive and translational force. I look forward to be a transformative agent in the life of people and also contribute to humanity's knowledge base.

Joseph Akwetey KWEYATEY
Ghana



AIMS deepens one's knowledge and well-equips individuals for transformative leadership. Having such an experience is a precious gift, & I'm pleased to say that I've graduated from AIMS as the best version of myself."

Ousainou GOMEZ
The Gambia



Graduating from AIMS was not only a dream milestone that I cherish the most, but it also marked the beginning of a remarkable journey. The school equipped me with modern, sophisticated tools, and skills, empowering me to thrive in any sector, and as I embark on new horizons, I carry the torch of knowledge and passion in my heart.

Herieth NACHIKONGO
Tanzania



My experience at AIMS Ghana was a life-changing journey that equipped me with advanced mathematical skills, a solid scientific foundation, and a passion for data science and machine learning. These valuable skills have empowered me to confidently tackle complex challenges and pursue my passion for scientific research.

Oluwabukola Rebecca PHILLIPS
Nigeria



AIMS Ghana has been an incredible journey, where I've not only gained a profound understanding of mathematics but also sharpened my research skills. It's a place that brings out the best in me, pushing me to overcome challenges and grow. Through the demanding yet enriching experiences, I've emerged stronger, wiser, and fully prepared to embrace new horizons and make a positive impact in the world."

Prince MENSAH
Ghana



My experience at AIMS Ghana was an enriching journey of academic growth, diverse cultural exposure, and intellectual collaboration. I honed my skills in mathematics, physics, and computer programming, and delved into quantum computing research. I plan to apply these skills in higher studies and contribute to the development of quantum technology in Africa.

Priscilla Efua APPIAH

Ghana



The AIMS experience has been an enlightening one for me and I am thankful. One great skill I developed here has been to produce excellent results even under pressure. With this, I hope to make a significant contribution to ensuring that African youth receive top-notch education on our own continent.

Rebecca ODURO

Ghana



Being part of AIMS Ghana has been life-changing. The collaborative environment boosted my confidence. Gaining insight into disease modeling research, I'm excited to embrace my future with newfound knowledge and a sense of purpose, ready to make a meaningful impact through the lens of mathematics.

University of Cape Coast

Abderrahmane LABANE

Algeria



AIMS was a unique experience. It is the right place to be if you want to explore and venture into STEM. AIMS has transformed me into independent researcher in mathematics. I had the opportunity be mentored by lecturer from all around the world, and meet student from all over Africa.

Abutalib Ali Elsaid MOHAMMED

Sudan



AIMS has provided me with unique experience that is transformative, intellectually stimulating, and has been a springboard for personal and professional growth. I have acquired specialized knowledge, critical thinking skills, and have developed valuable network that qualifies me for various job opportunities.

Alfred Kofi ADZIKA

Ghana



Living & learning with people from different African countries has really helped me increase my scope. Also, through rigorous learning using softwares such as LaTeX, I have learnt to be efficient & diligent even with limited time.

Bridget ADU-AGYEI

Ghana



At AIMS, I have learned the importance of time management, stress management, and developing self-assurance. The valuable skills I have gained during my time here will greatly benefit my future pursuits. Through my work on network theory applications for my thesis, I have developed a keen interest in this field and intend to explore it further in my future endeavours.

Daniel Kwame OKYERE

Ghana



At AIMS Ghana, I gained essential skills in numerical analysis and scientific programming, specifically in Matlab, as well as developed insights into the importance of social responsibility.

Participating in community outreach programs, I built skills in leadership, teamwork and communication which I plan to apply in various settings to make a meaningful contribution to society.

Daniel LAMPTEY-MILLS

Ghana



Seeing how humble, calm and tolerable all professors and the entire AIMS staff is, is amazing. This attributes to what I have acquired and will forever aspire to.

Judikaël ALLEHOU

Benin



Through AIMS, I've interacted with people from all over the world, which has greatly enhanced my experience. I am a better person as a result of my enhanced communication, computing, and algebraic knowledge, which, through collaboration with other researchers, will enable me to utilize these skills for the betterment of Africa.

Duncan KISHOYIAN

Kenya



At AIMS, I have cultivated unwavering strength and adaptability, honing my abilities in computing, data science, and leadership. Fueled with determination, I now find myself at the forefront of Africa's transformation, fully committed to offering innovative solutions that create impacts across all sectors in my country and beyond.

Japhet Mjanaery MWANZIGE

Tanzania



AIMS-Ghana transformed my academic journey, honing my computing skills and problem-solving abilities. It left an indelible mark, assuring my lasting impact in Financial Mathematics and AI. The experience was extraordinary, shaping a future where innovation knows no bounds.

Kossi Mawouena Samuel AFOLA

Togo



I cannot express enough how AIMS positively impacted my life forever, fostering critical thinking through challenges in my thesis on Machine Learning in Clinical Prediction Models. I envision joining ML researchers to enhance healthcare in Africa and forging connections with like-minded individuals dedicated to using ML to solve health-related issues.

Leila Akinyi MISULA

Kenya



My experience at AIMS has been truly exceptional. Despite the challenging environment, I have honed my mathematical, computational, problem-solving, teamwork, and leadership skills. I plan to put these skills to use in my future endeavours, to pursue a career in data science with the aim of solving challenging problems and promoting breakthroughs in different industries.

Millicent KORANTENG

Ghana



"True success transcends mere achievement, it resides within transformative experiences and personal growth along our academic voyage. AIMS- Gh has endowed me with vital skills to conquer hurdles, the audacity to envision greatness, and the knowledge that I am the master of my destiny. I look forward to doing a Ph.D. in Applied Mathematics ."

Maminirina Henri RAFANOMEZANTSOA

Madagascar



AIMS gave me an amazing experience exploring graph theory, enhancing problem-solving math and English skills. Meeting talented students from across Africa was a great opportunity. I plan to utilize these skills for advanced research and practical global solutions in the future.

Nicholas APPIAH

Ghana



Being at AIMS has been compelling, enhancing my critical thinking, communication, and quick learning abilities in the mathematical sciences. This experience motivates me to pursue a future career in financial mathematics.

Specioza NAMBOOZE

Uganda



During my stay at AIMS-Ghana, my skills in mathematics, interpersonal skills, and interest in mathematical biology have all been improved. I have learned to think critically and approach problems in new ways, which has helped me to become a better mathematician. Additionally, I have had the opportunity to work with people from diverse backgrounds, which has improved my communication and collaboration skills. Finally, my interest in mathematical biology has been piqued, and I am excited to continue exploring this field in the future.

Mastercard Foundation Scholars Program 2022/23

In line with the Scholars Program framework of training and mentorship that reinforce the core values of transformative leadership and a commitment to improving the lives of others, the 20 Mastercard Foundation Scholars carried out a number of giveback activities including teaching of mathematics to students of KKMA Junior High School, mentoring of girls, clean up exercise in the Santeo community and regular Sunday Maths classes for students within the Santeo community.



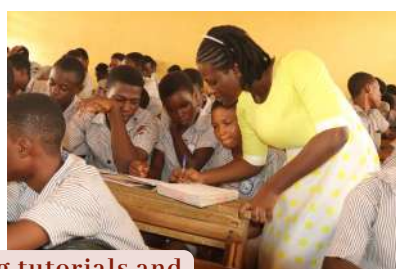
Group photo with the Santeo KKMA JHS students after the cleanup exercise



Group photo with the students on the last day of Sunday classes



Scholars providing tutorials and comments on students work



The Academic Director Giving a Transformative Leadership Talk to the Scholars



The Program Manager and the scholars' representatives delivering donations to Santeo KKMA JHS Headteacher after the cleanup activity



Some students are attempting problems independently, while others are seeking assistance from the scholars



List of AIMS MCF Scholars

Omollo Revian Awour

Millicent Koranteng

Bridget Adu-Agyei

Hallema Bint Yedu

Akinyi Misula Leila

Specioza Nambooze

Desire Kuteesa

Abutalib Elsaid Mohammed

Elisha Erzoah

Samuel Komlan Zanou

Maminirina Henri Rafanomezantsoa

Nicholas Appiah

Emmanuel Dery Maale

Duncan Kishoyian

Judikaël Allehou

Gaspard Nkunuzimana

Jordan Kevin Buwa Mbouobda

Ntahombagana Hormisdas Matabaro

Sodiq Abiodun Mojeed

Ousainou Gomez

2022/2023 Gallery





Congratulatory Class of 2023!

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