



10th Graduation

Ceremony

AIMS Ghana



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# Order of Proceedings

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9:45 am	Guest Seated
9:50 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
10:00 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.
10:05 am	Congregation is Constituted by Prof. Edward S. Ayensu Chairman, Board of Trustees, AIMS Ghana
10:10 am	Welcome Address by Chief Operating Officer Ms. Adelaide Asante
10:15 am	Address by Dr. Prince Koree Osei Centre President, AIMS Ghana
10:25 am	Congratulatory Message Prof. Neil Toruk, Founder, AIMS
10:30 am	Address by H.E Kati Csaba Canadian High Commissioner

Interlude - Orchestra Performance



10:40 am

10:45 am	Congratulatory Messages
10:50 am	Motivational Speech by Guest Speaker - Mr. Giles Tetteh, Director, Impact Group of Companies - AIMS Alumnus
11:05 am	Valedictory Speech
11:10 am	Interlude -
11:15 am	Keynote Address by Hon. Dr. Yaw Adutwum Minister of Education, Ghana
11:30 am	Presentations/Recognition and Awards by Dr. Bernard Bainson, Academic Manager, AIMS Ghana
11:40 am	Conferment of Degrees by Partner Universities
12:10 pm	Vote of thanks/ Closing Remarks by Mrs. Beauty Beatrice Kwawu, Prog. Manager AIMS Ghana
12:15 pm	Congregation Dissolved by Prof. Edward S. Ayensu, Chairman, Board of Trustees, AIMS Ghana
12:20 pm	Recession
	Members of Convocation
	<ul> <li>Board of Trustees</li> </ul>
	<ul> <li>Keynote Speaker</li> </ul>
	<ul> <li>Special Guest Speaker</li> </ul>
	<ul> <li>Canadian High Commissioner</li> </ul>
	<ul> <li>Dean of Schools of Graduate Studies</li> </ul>
	<ul> <li>Heads of Departments</li> </ul>
	• Tutors
	• Graduates
12:25 pm	Photography Session: Order -
	<ul> <li>Board Members, Guest of Honour and Invited Speakers</li> <li>Board Members, Guest of Honour and Invited Speakers with:</li> </ul>
	i. Partner Representatives and AIMS Management
	ii. Regular Master Graduates
	ii. Regular Master Graduates iii. MMST Graduates iv. All Graduates
	<ul> <li>ii. Regular Master Graduates</li> <li>iii. MMST Graduates</li> <li>iv. All Graduates</li> <li>AIMS Management and Academic Partner Universities with:</li> </ul>
	<ul> <li>ii. Regular Master Graduates</li> <li>iii. MMST Graduates</li> <li>iv. All Graduates</li> <li>AIMS Management and Academic Partner Universities with:</li> <li>i. UCC Affiliated Students Only</li> </ul>
	<ul> <li>ii. Regular Master Graduates</li> <li>iii. MMST Graduates</li> <li>iv. All Graduates</li> <li>AIMS Management and Academic Partner Universities with:</li> <li>i. UCC Affiliated Students Only</li> <li>ii. KNUST Affiliated Students Only</li> </ul>
	<ul> <li>ii. Regular Master Graduates</li> <li>iii. MMST Graduates</li> <li>iv. All Graduates</li> <li>AIMS Management and Academic Partner Universities with:</li> <li>i. UCC Affiliated Students Only</li> </ul>

- $\bullet \ \ Group \ \& \ Individual \ Pictures \ for \ MMST \ Graduates \\$
- Group & Individual Pictures for Regular Master 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, Tanzania and Rwanda.

After a decade of making impact and contributing to scientific excellence, the African Institute for Mathematical Sciences (AIMS) Ghana, has undergone massive transformation recording many milestones. Laudable among them was our rise to the position of a UNESCO Category II Centre of Excellence in the year 2018.

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 400 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.

About 70% of graduates from AIMS have continued their studies in prestigious universities worldwide in mathematics-related fields. 60% of the graduates are in Africa, contributing to scientific teaching, research and industrial development.

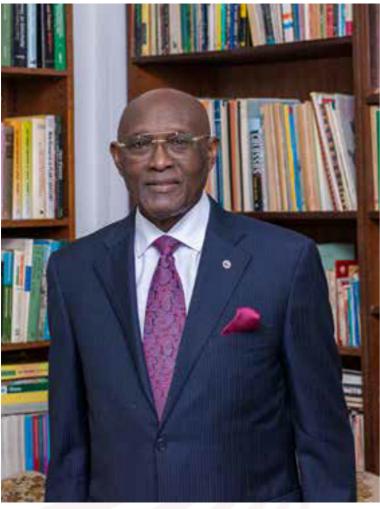
In the 2019/20 academic year, AIMS Ghana hosted the African Masters in Machine intelligence program - the first of its kind in Africa, which prepares well-rounded machine intelligence researchers who respond to both present and future needs of Africa and the world.

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 10 years, 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. Additionally, the Centre recently signed a Memorandum of Understanding with the University of Energy and Natural Resources to offer programs in Climate Change and Atmospheric Physic (CCAP). Academics from our partners are involved in curriculum development, students' 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.

# AIMS Ghana Board of Trustees

### Congratulatory Message from the Board Chair, Prof. Edward S. Ayensu



Dear Graduands,

All too soon, you have come to the end of your journey of pursuing an Msc in Mathematical Sciences. I am very proud to see that aside our regular Master's students who have been here for the last 10 months, we are also graduating our student-teachers' who have successfully completed the program over an 18-month period. This is a great achievement for AIMS Ghana and the network as a whole. I know the journey has not been easy but it is worthwhile. You are now equipped with the necessary skills to enter the world and lead. We, as members of the Board of Trustees of AIMS Ghana have high expectations of you. For you have received one of the best foms of education in the world with full scholarship. You must go out there and give the best of yourselves, back to the world. Wherever you find yourself, be guided by the knowledge and life lessons such as teamwork, determination, diligence, excellence and pan-Africanism that you acquired during your stay at AIMS Ghana.

Remember to always strive to make a positive impact wherever you go. You have now joined over 400 elite AIMS Ghana Alumni who are spread all over the world transforming lives, communities, towns, cities, countries, the continent and the world as a whole.

This graduation ceremony also marks the achievement of everyone who has contributed to your training including the management team, academic team (lecturers and tutors), funders, partners and supporters.

On behalf of the Board, I wish to thank the Center President and his team for their commitment to you. Ms. Lydie Hazikizimana and the AIMS NEI team must also be commended for their relentless support to oversee the efficient management of the network. Special thanks go to the Government of Ghana, the Canadian Government as well as the MasterCard Foundation for funding your training.

CONGRATULATIONS TO THE REGULAR MASTERS AND MMST CLASS OF 2022!!





Prof. Neil Turok Chair, AIMS International Governing Board

Lydie Hakizimana CEO, AIMS Next Einstein Initiative





Dr. Peggy Oti-Boateng
Director of the Division of Science
Policy and Capacity Building in the
Natural Sciences Sector at UNESCO



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



# SPEECH BY DR. PRINCE KOREE OSEI, CENTRE PRESIDENT OF AIMS GHANA = 10TH GRADUATION CEREMONY, 25TH JUNE 2022



Hon. Minister for Education, Her Excellency the Canadian High Commissioner, 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, I am delighted to welcome you all to the ninth graduation ceremony of AIMS Ghana.

Amidst all our excitement I would like to especially appreciate the presence of our keynote speaker Hon. Minister for Education - Dr. Yaw Osei Adutwum, H.E Kathleen Kati Csaba - the Canadian High Commissioner to Ghana. My gratitude also goes to our guest Mr. Giles Tetteh, Director for impact group of companies who is himself an alumnus of AIMS Ghana and I welcome him home as he graces this occasion. Thank you all for coming and for joining us to celebrate our 10th Anniversary and Graduation Ceremony.

I am thrilled to welcome you to this historic 10th graduation ceremony for AIMS Ghana. Historic not just because we are 10 years, but much more, we're graduating 100 students with MSc in Mathematical Sciences this year.

Indeed our Institute has been through an amazing decade and it is wonderful to look back on the journey so far. While there have been some challenges over the AIMS Ghana has worked to make a significant contribution to scientific excellence, across the African continent and the world. The Institue has undergone massive transformation recording many milestones, notably, our rise to the status of a UNESCO Category II Centre of Excellence, in 2018, over 400 alumni from 27 African countries, 33% of whom are females, high impact on scientific research and the implementation of life changing scientific outreach and industry programs

The goal has been precise and it still remains the same. AIMS across all its Centres is committed to contributing to Africa's transformation through innovative scientific training and research by providing opportunities for brilliant young Africans to innovate. In the last 19 years, the AIMS Global Network has been responsible for replacing Africa's brain drain, birthing over 2500 talents and impacting over 10,000 others through unique programs and initiatives on the continent. This has created a critical mass of exceptional Africans, dedicated to providing homegrown solutions to our challenges and those of the world at large.

This year we celebrate 10 years of the significant contribution of AIMS Ghana towards the training of this critical mass of young Africans Mathematical Sciences who will lead future scientific discories and technological advancements. Our year-long celebration of a decade of outstanding work began with a launch on 14th March, commemorated during the International Day of Mathematics (IDM) celebration. This was followed by an Alumni event dubbed the Industry-Academia Forum on the 24th of June which brought together academic and industry players to discuss how educational programs can be tailored to solve real-life problems. The anniversary celebration will peak in August with the first of an annual public lecture series in honour of the late Prof. Francis Kofi Ampeyin Allotey, created to provide a public understanding of science and the impact of scientific discoveries on society. For this maiden edition, we have an outstanding astrophysicist - Professor Joycelyn Bell-Burnell as our main speaker and will bring together academia, donor and philanthropy community, industry, political leaders and the general public. Your Excellencies, Distinguished Ladies and Gentlemen, this year, we are breaking a global record and I must say, the Centre is proud to have made it this far. It is worthy to note that starting out in 2012 with only 26 students in our first cohort, 10 years down the line, the current graduating class is 100 Mathematical Scientists, which is no small feat.

It has been a very intensive yet exciting academic year and this address highlights activities that cut across our strategic pillars and mandate as a UNESCO Category II Centre of excellence, for the 2021/2022 academic year.

#### **Post Graduate Training**

The AIMS MSc Mathematical Sciences program has evolved over the years to include options with different specializations. This academic year, we have run three options – the regular Master's program which provides broad training in foundational and applied mathematical sciences, the Master's in mathematical sciences with specialization in climate change and atmospheric physics and the Master of Mathematical Sciences for Teachers (MMST) programs.

Recruitment of students for the 2021/2022 Regular Master Programme across the network was overwhelming, with AIMS Ghana receiving over 1,100 applications. After application review and a rigorous selection process, fifty-eight (58) applicants consisting of thirty-seven (37) males and twenty-one (21) females, from sixteen (16) countries were admitted in August 2021. Lectures for the 2021/2022 academic year began on 31st August 2021 and ended May 30th 2022 with the students having, completed all three phases of the program, through various courses.



The two-year MMST Programme, which began in the 2020/2021 academic year continued into the 2021/2022 year. The program is designed to support capacity building for teachers in the High schools and colleges of Education. This hibrid program with 70% online and 30% residential aimed at providing current teachers of Math, Computer Science and Physics with deeper understanding of the foundations of core secondary school and college curricula. Focusing on Math and areas of applications of modern math. It is also aimed at developing the capacity of teachers for higher learning and research.

From 50 students, made up of 18 females selected from over 450 application across Ghana, we are pleased to see that 43 students including 15 female have completed the program and are here to graduate today.

Facilitation of teaching and learning involved contribution and support from local and international lecturers as well as tutors who helped them to deliver the various courses to the students. In the past year, we have hosted over 50 visiting lecturers (90% international).

AIMS Ghana also hosted the AIMS-ESMT Industry Immersion Programme from July to August 2021. This saw 13 of the 2020/2021 year students coming together to study for the certification of a Mini MBA, issued by a partnering institution – European School of Management and Technology, Berlin, with support funding from the German Federal Ministry for Economic Cooperation (BMZ) through the German Academic Exchange Service (DAAD). The program prepares mathematically-trained graduates for careers in business or industry for Africa's socio-economic transformation agenda.

Following the success of the maiden blended Industry Immersion Program (IIP) in 2020, AIMS Ghana launched Africa's first Data Analytics Hybrid Internship Hub (HIH) to bolster graduate employability in Africa.

#### **Cutting Edge Research**

The AIMS Ghana Research Centre which began in 2014 is currently host 22 researchers including research chairs, research associates, postdoctoral fellows, PhD and MPhil students. The Stochastic Analysis and Applications group is led by Prof. Olivier Pamen - the German Research Chair, the Climate Change Science and Atmosphre team lead by Dr. Nana Ama Browne-Klutse - the AIMS-Canada Research Chair for Climate Science and the Quantum Algebra and Quantum information team which I lead.

Throughout the year, the Centre recorded a significant number of good publications and hosted 10 visiting researchers. There were several seminars and two major workshops - the first being the African Mathematical School in Mathematical Methods in Analysis and Probability (AMS - 2MAP), and the Colloquium of Ph.D. in Mathematics and its Applications (PMIA). The (AMS - 2MAP) was held from 16th to 27th August 2021 at AIMS Ghana in Accra and funded by the Centre International de Mathématiques Pures et Appliquées (CIMPA), the Alexander Von Humboldt Foundation, and the Government of Ghana, the two-week school was organized within the framework of the African Mathematics Union /CIMPA and led by Olivier Menoukeu Pamen from AIMS Ghana / the University of Liverpool, and Franca Hoffmann from the University of Bonn.



This hosted 43 participants (33 men and 10 women) from nine African countries including Ghana. Kenya, Nigeria, Cameroon, Senegal, Sudan, Burkina Faso, and Benin.

The next was the second Colloquium of PhD in Mathematics and its Applications (PMIA) from 7th to 9th December 2021 hosted at the AIMS Ghana Centre. Under the organization of the German Research Chair - Prof. Olivier Menoukeu Pamen, the colloquium brought together 30 participants (24 men, 6 women) comprising 22 Ph.D. candidates and researchers.

In the coming academic year, the Centre will host a new German Research Chair — Professor Nick Monk who will commence a 6-year tenure in September 2022. The German Research Chair programme which is funded by the German Federal Ministry of Education and Research (BMBF), is designed to help strengthen Mathematical higher education and research in Africa, promote networking between AIMS Ghana and German higher education institutions as well as support networking amongst the various AIMS Centres in Africa.

#### Impactful Public Engagement and Outreach

The first Cohort of the Girls in Mathematical Sciences Program was hosted at the AIMS Ghana campus from 1st to 20th November 2021 for their second residential session and graduation. During the period, the girls were taken through minicourses (including Quantum Space-Time, Climate Change Science, Biostatistics, Stochastics as well as Quantum Information and Mathematical Problem Solving), fireside chats with top scientists, universities/scholarships talk sessions with both Ghanaian and foreign Universities, Hands-On Training in Robotics, and among others. The 35 beneficiaries were awarded certificates of completion at a graduation ceremony held at the AIMS campus on 19th November 2021. The graduation ceremony was attended by the Deputy Minister of Education, Hon. Rev. John Ntim Fordjour. The Deputy Minister at the ceremony announced that the Government of Ghana would as part of efforts to promote STEM education, enroll the 35 AIMS Girls in Mathematical Sciences Program (GMSP) beneficiaries onto Government scholarships to enable them to pursue their tertiary education. It is worthy to note that 21 of these ladies are currently pursuing STEM courses at the tertiary level.

Out of 569 applications received for this academic year, we have selected 50 girls from 44 Senior High Schools across 15 regions of Ghana the 2nd Cohort of the GMSP. About 30 female mentors assigned have been assigned to them.

As part of its advocacy for Gender Equality and Inclusion in STEM, AIMS Ghana organized two editions of the Climate Science Speaker Series on 24th November 2021 and the 19th of May 2022 as part of activities within the Africa Science week. The goal of both events was to inspire members of the STEM ecosystem, especially young women, to address climate change.

Distinguished Ladies and Gentlemen, our 20 Mastercard scholars for this year have been exceptional in their giveback to community activities. They started from health and sanitation advocacy to keep fit exercises and leadership sessions for training and mentorship, as well as networking among young like-minded leaders



AIMS Ghana celebrated the 2022 edition of International Day of Women and Girls in Science on 11th February 2022 at the St. Francis Catholic Basic School, Ashaley Botwe with 100 girls from three public schools in the Adentan Municipality. The girls were inspired by the AIMS Women in STEM to pursue STEM courses with all seriousness and determination in order to help transform society.

Additionally, we collaborated with UNESCO and the Ministry of Education to lead the nation to commemorate the widely celebrated International Day of Mathematics (IDM). Dignitaries from partner institutions, ministries & industry converged to support discussions surrounding Mathematics and its Applications in Africa. The theme for the IDM celebration, "Mathematics Unites" was befitting especially because we have gone through a decade of making an impact by bringing students together from diverse backgrounds to contribute to scientific excellence in the Mathematical Sciences. The day was also an opportunity for AIMS Ghana to launch its 10th-anniversary celebration.

#### Organizational Excellence and Sustainability

The construction of the AIMS Ghana campus appear in the 2022 National budget. Following the allocation of a 5Acre land at Katamanso by the Ministry of Education, the Center is working with the Ministry to finalized the necessary processes for the construction to commence.

In increasing partnerships, there was a visit to two universities in Canada to extend AIMS's reach and enrich partnerships. This was between the period of August -October 2021 during which a Memorandum of Understanding (MoU) was signed with the University of Waterloo. The partnership is to establish collective educational and outreach programs in mathematics, computer science and other STEM disciplines as well as develop well-articulated/ shared course programs. Another key outcome of the negotiations involved plans to collaboratively create a virtual platform for junior and senior high school students in Ghana thus enhancing the study of Mathematics online. Discussions with Calgary University are still underway to finalize prospective collaborations in relation to research and courses within the Quantum field.

To advance the frontiers of scientific research in areas of specialization like artificial intelligence, the African Institute of Mathematical Sciences – Ghana (AIMS Ghana) signed a Masters Sponsored Research Agreement (MSRA) with Google Research in May 2022. The agreement seeks to further strengthen the partnership between both institutions as part of efforts to enforce their ongoing commitment to collaborate and advance computing and technology in Africa.

For their commitment to the vision of AIMS, I thank all our diligent and reliable staff both in Ghana and across the AIMS Global Network. Through your contributions and sacrifices AIMS Ghana has made it this far. I also want to express thanks to the Founder and Chair of AIMS-NEI, Prof. Neil Turok; Chief Executive Officer of AIMS NEI - Mrs. Lydie Hakizimana and AIMS Ghana's Board of Trustees for their guidance and support in maintaining the standards the Centre has set for itself and ensuring that we continue to remain focused on our objectives.

My acknowledgement and appreciation goes to the Government of Ghana for their funding and support through the Ministry of Education, in collaboration with GETFund and the National Commission for UNESCO.



Special thanks to the MasterCard Foundation, the Canadian Government through its DAAD, the International Development Research Centre (IDRC); the German Government through the Alexander Von Humboldt Foundation and the German Academic Exchange Service for remaining committed to the growth of Africans over the last decade. We also want to thank our Partner Universities; Kwame Nkrumah University of Science and Technology, University of Cape Coast and University of Ghana for collaborating with us to provide quality education to our students over the years.

AIMS Ghana is 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 would like to congratulate the class of 2022 which is by far our largest graduating class, for coming this far. I especially commend our Valedictorian for this academic year who has been truly outstanding over the period. He has been determined and has proven himself worthy of distinction. I congratulate him and the entire graduating class for striving for excellence in the midst of global challenges.

Always remember that if you develop a passion for learning, you will never cease to grow. AIMS has supercharged you, nurtured your interests and has attempted to prepare you to be exceptional in whichever fields you find yourselves in. Embarking on the next phase of your lives, you are encouraged to put to efficient use, the knowledge, problem-solving skills and training that you have developed during your stay at AIMS Ghana. The vision is to see you leading Africa's growth and contributing significantly to shaping the world at large. Think outside the box, be creative, be innovative, dare to make a positive mark and in giving back, remember to inspire others into excellence. Join the AIMS alumni network to keep the bond and be encouraged to contribute ideas that will keep AIMS on its toes, so that in the next 10 years we can break more records. Hopefullly by then, we would have found the next Einstein who would most likely be African!

We look forward to feeling your impact, reading your success stories, seeing you make the headlines and recognizing that you are making breakthrough scientific discoveries that will solve global problems. Most importantly, we hope that you will inspire the next generation of Africans to see the relevance of STEM education in the development of the continent and the world at large. Thank you.

# Profile of Keynote Speaker



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 Founder of New Designs Educational Group, California, USA. He has decades of experience in educational policy, planning, and administration. He is a philanthropist extraordinaire!

Within a period of two years, he has single-handedly sponsored 97 students from the Bosomtwe Constituency to pursue programmes in Engineering and Medicine at universities across the country. He has committed to the people of Bosomtwe to send many more eligible constituents to the university to train as Engineers and Medical Doctors. He was born on 9th April 1964 in Kumasi and hails from Jachie, in the Ashanti Region of Ghana. He obtained his bachelor's certificate from the Kwame Nkrumah University of Science and Technology (KNUST) in 1990 and a postgraduate Diploma in Teaching (Teaching Credentials) from Chapman University, City of Orange, California, the USA, in 1999. He obtained his Master of Education in Educational Management and Administrative Services Credential from the University of La Verne, California, the USA, in 1997. He was awarded a Doctor of Philosophy Degree in Educational Policy and Administration from the University of Southern California (USC), Los Angeles, the USA, in June 2008. 2 He has participated in several UNESCO conferences and workshops as a Resource Person. He is a member of several professional bodies, recent of these is the Association for Supervision and Curriculum Development (ASCD), USA. He is a member of the Advisory Board of the Capacity Building Center (CBC) in the School of Education and Information Studies at the University of California, Los Angeles (UCLA). The Hon. Minister is also a member of a High-level UN Advisory Group for Mission 4.7, a new global initiative to put into practice the vision articulated by the Sustainable Development Goals (SDGs) on education. Until his appointment as the Minister for Education, he was the Deputy Minister for Education in charge of General Education.

# Profiles of Invited Speakers

Kathleen (Kati) Csaba (BA [Political Studies and Russian], Queen's University, 1988; MA [Central/East European and Russian-Area Studies], Carleton University, 1993) began her career at External Affairs and International Trade Canada in 1993. In 1995, Ms. Csaba joined the Canadian International Development Agency and occupied several programming and analytical roles covering Central and Eastern Europe, including 4 postings in the region: as second secretary in Kyiv (1995 to 1997), as head of aid in Sarajevo (1997 to 1999), as head of aid in Moscow (2005 to 2009) and as development director in Kyiv (2009 to 2012). She also served as the director of amalgamation implementation in the Sub-Saharan Africa Branch (2014 to 2015), followed by a posting to the embassy in Addis Ababa as minister-counsellor responsible for Canada's development program with Ethiopia (2015 to 2017). Most recently, she served as ambassador to Serbia, North Macedonia and Montenegro (2017 to 2020).



H.E. Kathleen Kati Csaba -Canadian High Comissioner

She was named Canada's High Commissioner to Ghana in December 2020 and presented her credentials to to President Bio of Sierra Leone on June 4, 2021. AIMS receives funding from the International Development Research Centre, which is a Canadian federal Crown corporation that supports research and innovation globally.



Dr. Giles Tetteh, Director Impact Groups of Companies, AIMS Ghana Alumnus

Giles Tetteh is currently a researcher at the faculty of computer science at the Technical University of Munich Munich, Germany with the Image-Based Biomedical Modelling (IBBM) Group in the chair for Computer Aided Medical Procedures & Augmented Reality. He is also employed as a researcher at the neuroradiology department of Klinikum Rechts der Isar, a university hospital affiliated with TUM, and specializes in imagebased medical analysis using machine and deep learning methods. Prior to his current position at TUM, he holds a master's degree in mathematical sciences from AIMS Ghana and a combined bachelor's degree in mathematics and economics from the University of Cape Coast, Ghana. Giles has experience in scientific computing and software development and is a director and co-founder of Impact Group of Companies, which is made up of a consulting company and a software development company in Ghana.

With over 10 years of experience in software development, he has a keen interest in translational research and bridging the gap between medical research and medical practice. This interest is demonstrated by his role as a co-founder of Bonescreen GmbH, a medical software company in Germany, making sure years of medical research in osteoporosis is available to medical practitioners in a form which is user friendly and easy to interpret.

# Deans and Heads of Departments of Partner Universities\*



Professor Eric Kwabena Forkuo Director of Graduate Studies Kwame Nkrumah University of Science and Technology



Rev. Prof. William Obeng-Denteh Head of Department- Mathematics Kwame Nkrumah University of Science and Technology



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



Professor Ernest Yankson Head of Department - Mathematics University of Cape Coast



Professor Robert Darko Osei Dean of Graduate Studies University of Ghana



Professor Benoit Sehba Head of Department - Mathematics University of Ghana



Professor John K. M. Kuwornu
Dean of Graduate Studies
University of Energy and
Natural Resources



Dr. Sampson Takyi Appiah Head of Department - Mathematics University of Energy and Natural Resources

# Tutors for the Year



Jennifer Ahiable

Quantum Information and

Computing



Dr. Kenneth Dadedzi Spectral Graph Theory



Esther Gyasi Opoku Algebraic Projective Geometry



Fred Soglohu

Quantum groups in Topological

Quantum Computing



Riham Ahmed

Mathematical and

Computational Modeling



Dr. Mafoya Landry Dassoundo

Algebra and Lie Theory



Winnie Nakiyingi Statistics



Dr. Solomon Lomotey Climate and Atmospheric Science

# Tutors for the Year



Dr. Eugene Yaw Adade Adjei Quantum Optics and Gravity



Mike Nelson Quantum Optics and Gravity



George Awiakye-Marfo Quantum Information and Computing



# Valedictorian -Regular Masters

**Emmanuel Haizel** 



Valedictorian - Masters in Mathematical Sciences for Teachers (MMST)



Abigail Amankwah

# FKA Allotey Meritorious Award Recipients



**Emmanuel Haizel** 



Abigail Amankwah



Leolin Nkuete



Mohamedahmed Mirghani Hassan Mohamed



Celestine Atieno Oliewo



Paul Komla Darko



George Osafo



## Student Affiliation to Partner Universities-Regular Masters

#### Kwame Nkrumah University of Science and Technology

### **Angelo Kwaku Boateng**

Ghana



I met great professors & highprofile personalities at AIMS who dropped their titles so we could relate to them, which emphasizes the truth of the saying "respect is earned". I also enjoyed student diversity & was able to sharpen computational & typing skills.

#### **Benjamin Mkongwe**

Tanzania



AIMS Ghana has been a home & strengthened communication & programming skills while introducing me to softwares. statistical have also enhanced presentation & scientific writing skills which will be part of my advancement as I move into career opportunities.

### **Chadrac Ntembue Tshiakuisha**

D. R. Congo



AIMS is for me the best training ground. It has been helpful in connecting me to the world and has transformed me into a good leader. Through activities here, I have learned the essence of teamwork & professionalism.

#### **Christina Acquah-Thompson** Ghana



"AIMS has greatly impacted my life teaching me how to work in groups and meet deadlines. I have also developed problemsolving skills among others, with new interests in quantum physics. In academia I hope to knowledge received here to benefit Africa's rising minds."

### Elizabeth Cornell Afrakomah Awuku

Ghana



AIMS has taught me to be resilient & confident so much so that the skills I have acquired here will be part of me forever. After working on an application of graph theory in neuroscience for my thesis, I have gained interest in this field & plan to delve more into it.

#### Irene Akyaa Gyebi Ghana



My AIMS journey has been both challenging & enlightening because the curriculum pushes students beyond their comfort zones, bringing out unique strengths & forcing their minds to reason. Here I acquired technical skills such as Python, which would facilitate my ideal profession as a "Data Analyst."

### John Fynn Addison

Ghana



Generally mathematics has taught me to be a critical thinker but studying mathematics at AIMS taught me to be deeper thinker and to deliver results in the shortest possible time.

# **Leolin Nkuete**





My experience at AIMS has been strategic and full of discovery. I have met wonderful people who certainly will have an impact on my career. I also acquired communication & writing skills to improve my professionalism.



#### **Michael Opoku**

Ghana



AIMS-Ghana has been a fantastic Institution that has helped me realize my career goals. I was always uncertain about my passion yet AIMS provided a great perspective. In the future, I hope to use Mathematics in the Health sector to model disease outbreaks.

### Nana Kojo Yaah-Nyarko

Ghana



My stay at AIMS Ghana has been an eye-opening experience. helping me learn a lot from my African friends & lecturers from different parts of the world. I'm excited to put my newfound knowledge and skills to work in cyber security, whether in industry or academia

#### **Nutifafa Akpeleasi** Ghana



My time at AIMS has been life-transforming giving me a much broader perspective on the value of mathematics in our culture. With my superb research skills, I plan to make significant contribution to SDG's 4 & 6 ie. Quality education, Clean water & sanitation.

#### Oliver Yawlui Ghana



AIMS has aided me in sharpening my problem-solving and mathematical prowess. In the near future, I hope to become an Actuary and offer my quota to tackling Africa's financial sector problems.

#### Purity Chitala Zambia



My greatest adventure as a young Mathematician was travelling to AIMS Ghana for studies. During my stay I improved my problem-solving skills & shaped my Mathematical skills which I hope to use in predicting trends of infectious diseases to solve Africa's health problems.

## University of Ghana

### Abigail Anita Adjei

Ghana



My AIMS experience has been very intriguing as I built various skills & got to appreciate the essence of teamwork. I intend to develop my problem-solving skills & based on mathematical tools, help solve problems around me. "Start the change locally, you will eventually see a means to a global transformation."

#### Adelaide Amegasi Ghana



With skills derived from AIMS, my goal is to become a Mathematical Epidemiologist working with African scientists, to develop better models to understand the fatal diseases that afflict the continent, & find better ways to control and eradicate them.



#### Ali Umar Hussani

Nigeria



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."

#### Andy Minga D. R. Congo



"Finding AIMS Ghana a home, I made a family, improved my Mathematical knowledge, & developed leadership skills through the MasterCard Foundation Scholars Program. I intend to apply these in entrepreneurship & education, for my community's growth."

#### **Anthony Okumu**

Uganda



Transforming me and growing my network, AIMS has improved my computational skills such that I can code in python and apply it to mathematical modelling, with exposure to new areas of applied mathematics.

# Doreen Appiah

Ghana



My time at AIMS was a transformational one. The period helped to sharpen my intellect and my ability to work under pressure. I have gained confidence & interest in pursuing a career in Data Science in the near future."

#### **Emmanuel Adjei**

Ghana



Being at AIMS has been exciting because you get to understand how other African students perceive math; yet challenging because the courses are structured to break you down & rebuild you to meet contemporary demands of mathematics.

#### **Eugine Malama**

Zambia



AIMS has transformed me into an independent researcher enabling me to integrate mathematics into real world situations through various programming skills. In the next five years I intend to further my studies in Applied Mathematics."

# **Felix Akwasi Sarpong Ghana**



AIMS has been a community with special comradery existing between students & staff. With enhanced programming skills, I intend to use the knowledge gained to build sophisticated yet simple applications & websites to be easily used globally, irrespective of educational background.

#### Gildas Djanga Cameroon



I had a great experience at AIMS Ghana where I had the opportunity to discuss Mathematics with specialists from all over the world. I also improved my English, Python programming & presentation skills.



## Kelvin Antwi Gyamfi

Ghana



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

#### **Rexford Boakye**

Ghana



Aside offering a sense of belonging, AIMS has provided academic opportunities & experiences improving my critical thinking, communication, creativity & diligence. In our dynamic world, all of these are required for a successful career.

#### Samuel Agyei Ofori Ghana



With the knowledge acquired at AIMS as a basis, I aspire to be an actuarial consultant making significant contribution to the financial sector, in the near future



challenging

### University of Energy and Natural Resources

#### **Alexander Ofosu Dwamena**

Ghana



AIMS provided me with a dynamic learning environment that honed my grasp of climate modeling & data science. Aspiring to be a data scientist, I am looking for a position in industry where I can help society through technological innovation solutions that have a social impact.

#### **Alfred Mwugusi** Kenya



AIMS has improved my skills in mathematics and has also shaped mу innovative capabilities in that I am now able to apply my mathematical concepts in solving current problems facing our society today, such as climate change

#### **Benjamin Kwaku Nimako**

Ghana



My life has been crafted by a pool of architects and AIMS has been one of the best, shaping me to think differently, to see everv situation as opportunity, to make difference & tackle real-world problems using mathematics.

#### **Celestine Atieno Oliewo**

Kenya



My time at AIMS was expansive learning a lot from lecturers & colleagues, more than simply classwork with exposure to diverse cultures. The problemcomputational & solving expertise developed at AIMS will be invaluable in the next phase of my journey to becoming a financial analyst."



#### Effiba Korkor Wiba Armah

Ghana



AIMS has been an eye-opening roller-coaster ride with great times filled with knowledge of new fields & refining times that have made me into a better scientist. I am excited to learn more about & apply climate modeling in Ghana to improve the understanding of climate impact on my community.

#### Hajara Kandeh

The Gambia



"Collaborating with students from across Africa has been a wonderful experience. The exposure to various fields at AIMS has broadened my perspective on mathematics and its applications hence I wish to apply my skillset to contribute to solving climate-related problems."

### John Ebenezer Agyin

Ghana



For me, AIMS is great in terms of course content, computational training, & the research work conducted at the end of the program. My Knowledge has been deepened on how scientific research is conducted. With the knowledge acquired, I am aspiring to be a researcher and statistical consultant

# Medesse Angele Hounkonnou Benin



AIMS has improved my English skills & has opened my mind to the talent that was dormant within me, increasing my love for Physics & Mathematics. With knowledge acquired at AIMS, I intend to become a quantum information and computing researcher.

#### Miriam Elaïsse Makodjou Wafo

Cameroon



The AIMS program helped me to gain self-confidence build team spirit & volunteer. I have better developed my mathematical skills in the climate field & biggest dream is to become an expert & help in the fight against climate change.

#### Mary Ng'ang'a Kenya



For me, AIMS is a community where one can work in teams, collaborate on research, & make the transition from theory to practice. AIMS Ghana, has boosted my programming & problem-solving skills which I intend to apply in industry to make a positive impact.

#### Patience Akatuhwera Uganda



"I intend to make extensive use of my background in mathematics and economics to help reduce or possibly, eliminate the burden of infectious disease on Africa's development."

#### Oliver Aol Uganda



AIMS has shaped my mindset in the area of mathematics in relation to Climate Science. With the knowledge obtained here, I am inspired to be a Climate Scientist, making significant contributions to the field, especially in my country, Uganda.

# **Raymond Kwaku Twumasi Oware Ghana**



Initially unable to find a clear path for my future, the wonderful experience & intense training in the climate science modeling stream, has shaped my perspective. Now I aspire to contribute to predicting outcomes of climate conditions in the years to come.

# **Rowa Mudathir Ahmed Abdel-Lateef Sudan**



AIMS is a wonderful but challenging place. I had the chance to meet & study with many brilliant minds from all over Africa, & I learnt to push myself to my limits. I was able to take many Physics courses which have prepared me for a Ph.D. in Physics."

#### **Tolulope Adeliyi**

Nigeria



As one of my best decisions, the AIMS experience has changed my life tremendously, in honing my programming, problem-solving, presentation, & critical thinking abilities which I hope to use in academia, industry & governments globally."

#### **Wanjiru Esther Ndungu**

Kenya



AIMS has improved my knowledge in mathematical concepts, problem-solving & climate modeling. I hope to apply these skills in educating society on how to adapt & mitigate challenges caused by climate change & how to deal with real-life situations.

### University of Cape Coast

#### **Abdou Majeed Alidou** Benin



At AIMS, I have discovered fields of mathematics that I didn't know of and I was shown several applications of them. I wish to further study information theory and computation."

# **Charity Nyang-ure Bulus**

Nigeria



My time at AIMS Ghana was engaging & enlightening. With the theoretical & practical knowledge acquired in climate change science, mathematical modeling, & programming, I hope to contribute to future solutions in the climate field through advocacy & modeling.

#### **Emmanuel Haizel**

Ghana



It has been an exciting new learning experience at AIMS Ghana, shaping my thoughts, improving my problem-solving skills, & helping me to be swift in grasping new ideas. I look forward to developing a career in quantum information & quantum computing.

### **Emmanuel Yaw Nutsugah**

Ghana



My experience at AIMS has been exciting & educative. I aspire to be a Data Analyst & I believe AIMS has equipped me with the necessary skills as well as the foundation to go into that field."



### **Joshua Otis**

Ghana



AIMS has given me the mathematical skillset I need to make a difference in society. Through innovation creativity, I hope to use my knowledge to reshape Ghana's educational sector.

#### **Keneth Mayombwe**

Uganda



encapsulation of mν experience here, is exposure to different areas of mathematical sciences, several experts & the opportunity to network with people from all over the globe. I have improved my computer programming skills making me better suited to contribute significantly to global solutions.

# **Mercy Sarkodie Amponsah**

Ghana



In amazement AIMS has grown me into an assertive individual who approaches issues with an agile mindset. I hope to apply the mathematical skills acquired here to in modeling to solve reallife problems in the financial sector

#### **Mohamedahmed Mirghani Hassan** Mohamed Sudan



Through my experience here, I have acquired programming, skills especially improvement in Python programming.

This may help me to continue in applied mathematics.

Also, I learned better ways of communicating with which benefits you in life.

### **Prince Damien Dorcis-Akpaglo**

Togo



At AIMS being with like-minded students from all over Africa mе appreciate importance of collaboration. As a problem-solver & a change maker, I aspire to improve the education system in my country as well as contribute to quantum computing in Africa.

#### **Rhoda Terim Akparibo** Ghana



"AIMS has been a wonderful & a changing experience, sharpening & equipping me especially in problem solving and analytical skills, which I intend to use in solving real life problems in Africa."

#### **Richard Boadi** Ghana



Coming to AIMS has really increased mу scope understanding & has positively exposed me to diverse cultures. I hope to use the skills gained here, specifically the theories in Density Functional Theorem to study more chemical compounds that will be more efficient for solar cell production in the energy sector.

#### **Robert Adongo** Ghana



"I chose AIMS because of its innovative and interdisciplinary approach to problems. scientific computational skills I acquired at AIMS have helped me in creating a balance between my laboratory, and analytical skills."



#### **Steven Mphaya**

Malawi



"AIMS has acted as an eyeopener to my dreams of
becoming a Biostatistician. I
hope to use my mathematical
skills & problem-solving
abilities in health sector
modeling to provide solutions
to different diseases, improve
the well-being of Africans & the
world at large."

#### Volatina Rasoarimalala

Madagascar



AIMS was a great opportunity to improve my mathematical & problem solving skills. With interests especially in numerical analysis, I hope to be able to contribute to minimizing the impact of poverty in Africa using optimal control.

# William Wilson Lamptey Ghana



Progressive development in society requires strong mathematical foundation. At AIMS Ghana my passion for Math was ignited with a boost in interpersonal skills. Using my cornucopia of knowledge, I intend to go into financial analyst to make contributions to related industries in Ghana.

# Master's in Mathematical Sciences for Teachers

#### **Abigail Amankwah**



In equipping me as a better teacher, the AIMS experience has really ignited my passion for programming and realigned my interest for further studies. I can now boast ok improved programming skills even as a proud Mathematics teacher.

#### **Abigail Havor**



My time at AIMS Ghana taught me that with the right assistance & resources, anything is attainable.

I hope to reawaken children's innate creativity & curiosity to build a future we can all be proud of by providing opportunities in STEM education for Ghanaian children.

#### **Abubakar Wahab**



I have acquired the skills to work efficiently in LaTex as well as programming which has built a resilient attitude towards research. I believe this will aid my ability to make a positive impact on my students.

#### **Bernard Nkrumah Attobrah**



My experience at AIMS has taught me to strive for excellence regardless of the conditions. I hope to use the knowledge gained to make a significant contributions to atmospheric physics, particularly climate dynamics, modelling.

#### **Angelina Oppong**



I came to AIMS Ghana with little knowledge in mathematical concepts. I am however leaving with in-depth knowledge in mathematical problem solving, collaborative skills & a boost in programming language, which I would like to build on in further studies.

#### **Benedict Asare**



AIMS has instilled in me the ability to be time conscious & the desire to be determined in achieving my objectives regardless of my setbacks. I have gained exceptional skills in problem solving & computing which has helped me become a more well-rounded individual.

#### Benjamin Osei Tutu



At AIMS I realized that the definition of success in life can be well understood in a mathematics equation. In that if we are able to convert all our negatives into positives we can make meaning in life.

#### **Clement Asumah**



AIMS has been a life changing opportunity, exposing me to vast knowlege. I hope to be able to impart the knowledge gained to others through teaching.

#### Carl Ayayee-Adade



As an enthusiast for quality education, and building on the AIMS experience of optimum learning, I look forward to contributing to the educational sector to help in transforming and improving related needs in Africa.

#### **Charity Adu Amankwaa**



My stay at AIMS has taught me the importance of being focused and effective with my time. I have no doubt that these skills will assist me in achieving my goals of becoming a researcher in the future.

#### **Charity Lois Adoasi**



"AIMS has taught me to push harder in academia, focus and work independently aside building social capital and learning the importance of teamwork."

#### **Dora Okyere Eghan**



Confidence & time management are two skills I developed at AIMS. Aside becoming an excellent mathematics educator, in the coming years, I intend to establish a foundation to encourage & support young females to pursue mathematics opportunities at the basic level.

#### **Daniel Owusu**



Through AIMS I have been able to build skills that make me effective within the shortest possible time.

#### **Daniel Yeboah**



With the knowledge acquired at AIMS as a basis, I wish to teach my students to easily gain knowledge and skills that will help them not only succeed in the classroom, but also be empowered by mathematics to become productive citizens.

#### David Kwabla Deynu



AIMS has taught me grit which will spare me on through the vicissitudes of life. Looking forward, I aspire to be a mathematical physicist.

#### **Emmanuel Dapilah**



In the next five years, I hope to be contributing significantly to Ghana's STEM education and progress based on the knowledge gained.

#### **Edward Agyei-Sakyi**



Building on the AIMS experience of optimum learning, I look forward to contributing in ways that would work towards transforming & improving the educational sector in Ghana.

#### **Emelia Frimpong Kyeremeh**



Coming to AIMS has taught me how to relate teaching to real life situations and has helped me in my professional development.

With the knowledge gained, I hope to further my education.

#### **Emmanuel Aidoo**



AIMS has changed my perspective on Mathematics from the world of abstract to reality where I can now relate most of the things I teach with practical examples.

#### Irene Takyiwaa Mensah



knowledge The and skills acquired at AIMS has transformed my teaching skills positively. I am now able to help my students relate Mathematics to real life situations.

#### **Esther Boakye Yiadom**



My two years of study at AIMS has taught me that knowledge alone is not power. Knowledge has value only in the hands of someone who has the ability to be innovative and think outside the box.

#### **George Osafo**



My stay at AIMS Ghana was simply transformational. Meeting such an exceptional family of students & staff, I have had a feel of world-class teaching & learning. The topnotch facilities on campus, friendly tutors & lecturers together with quality daily meals makes stay at AIMS equal to home.

#### **Iman Mohammad Zeedabu**



Intensive learning, creativity and the ability to respond quickly within a limited time are the skills I acquired from AIMS. With great care and passion, I plan to instill these skills in the students I teach and in my future field of studies.

#### **Joyceline Dedokuor Kpabitey**



My study at AIMS Ghana has enabled me to continually strive for improvement. I must admit that it was beneficial to me both as a learner and a teacher & I hope to motivate my students to become lifelong learners, pursuing higher education.

#### **James Adumata**



AIMS has trained me to work hard & be an independent thinker. The knowledge acquired at AIMS will go a long way to impact other students, I may encounter in my work as a mathematics teacher.

#### **John Aning**



I intend to make extensive use knowledge mν mathematics to help reduce or possibly, eliminate the burden of students in the learning better process to ensure understanding & to help contribute Africa's to development."

#### Joshua Kofi Sogli



AIMS Ghana has taught me to effectively & efficiently manage my time in order to meet deadlines. At AIMS, I have acquired python programming & data science skills which will enable me to pursue my interests in Applied Mathematics, specifically Fluid Dynamics & Mathematical Modelling.

#### **Mercy Owusu**



With the knowledge acquired at AIMS as a basis, I aspire to be develop better teaching models to assist my students in ways that increase their interest and participation in Mathematics.



#### Kojo Nyankah



My stay at AIMS taught me never to give up no matter the situation but rather give off my best.

#### Kwadwo Gyamfi



I aspire to contribute in Ghana in terms of teaching Mathematics especially within the educational sector, to bring up leaders who can begin useful and relevant changes on the African Continent.

#### **Mark Dadzie**



Computing, communication, information search, & teaching methods are the skills I acquired at AIMS. Going forward I would venture into differential equations & be on a quest to find fun ways to teach mathematics using python beamer presentations.

#### Osei Bonsu Yeboah



AIMS has been a wonderful addition to my life in spite of the challenges. I hope to use the knowledge gained to make impact in schools.

#### **Monica Biisom**



With the skills I have acquired at AIMS, I am looking forward to develop my educational interests in Data Science. I wil remain grateful to AIMS Ghana for shaping my future.

#### Nana Ama Amponsah



At AIMS, you are taught to acquire skills independently while integrating teamwork. In the future, I hope to advance in the field of statistics, specifically through Rstudio computer programming.

#### **Ocloo Cyril Daniel**



"I chose AIMS because of its innovative and interdisciplinary approach to scientific problems. The computational skills I acquired at AIMS have helped me in creating a balance between my laboratory, and analytical skills."

#### **Samsford Atta Frimpong**



Being at AIMS has been challenging yet outstanding especially in terms of academics. I saw it as a refinery which enabled me to acquire knowledge, skills & experience in mathematics. AIMS Ghana has also taught me how to succeed is in hardwork.

#### **Patrick Soton Ampong**



AIMS is indeed a mathematics hub, a place of excellence where the brain is stretched to understand that everything is based on Mathematics. It is exciting to realize that now I can communicate with LaTeX, Python & R coding. I cannot wait to put these to use in advancing the educational sector.

#### Paul Komla Darku



AIMS has taught me to stay original in communicating my math ideas and I believe this is applicable to life in general, so that we do not chase in the shadows of others. Originality is what distinguishes us from one another and I have carried that with me.

#### Raphael Webakura Pwadam



My two years with AIMS Ghana has improved my computing and research skills. I believe the knowledge and skills acquired will serve as a solid foundation for my further studies in Data Science.

#### Stephen Paapa Kweku Oweredu Assefuah



"In the next few years, I hope to be making an impact in the teaching and learning models of STEM education in Ghana, leveraging on the knowledge, skills and contacts made at AIMS.

#### Samuel Adomako Bamfi



AIMS was an eye opener especially in terms of how I am able to critically think now and also use knowledge derived in computing skills to help my children as well as my students during lessons.

#### Samuel Coleman



From my experience at AIMS I have learnt that in life never get tired of aiming for the impossible for everything that has beginning surely has an end.

#### **Sebastian Tudzi**



My time at AIMS ingrained in me a sense of resilience and Pan-Africanism.

As I aim to pursue a high-level profession in mathematics, hence I can confidently state that these ideals have positively shaped my perspectives.

#### Sylvia Ofotsu



In future, I desire to use the knowledge acquired from AIMS, to further my interest in Mathematics Education, Graph Theory and Numerical Analysis.

# List of Mastercard Foundation Scholars

Adelaide Amegasi Alfred Mwugusi Ali Umar Hussaini Andy Minga Celestine Atieno Oliewo Chadrac Ntembue Charity Nyang-ure Bulus Christina Thompson Acquah Eugine Malama Wanjiru Esther Mary Ng'ang'a Wambui Medesse Angele Hounkonnou Miriam ElaÏsse Makodjou Wafo Nana Kojo Yaah-Nyarko Oliver Aol Patience Akatuhwera Prince Damien Dorcis-Akpaglo Steven Gracious Mphaya Tolulope Adeliyi

Volatina Rasoarimalala









# Congratulations Mastercard Foundation Scholars!





Reeta Roy, President and CEO, Mastercard Foundation

On behalf of all of us at the Mastercard Foundation: Congratulations!

All of your hard work—the late nights studying and hours of lectures and assignments — has paid off. You've done it! We could not be more proud of you. We join your families and friends in celebrating this important milestone in your life.

I know this is an exciting time, but it may also feel daunting—particularly in our rapidly changing world. Here is what I hope you'll remember: As you look out to the future, it's always looking back to you. It is as bright as your ambition is bold, as innovative as your imagination is wild, as strong as you are hopeful, and as secure as you are resilient. It's not pre-determined, it is pliable. It is yours to shape and you are ready for that task. I believe you're ready for that work.

This is what the Mastercard Foundation Scholars Program has been preparing you for: the work of leading and serving your communities and countries. The work of solving old problems, building new products, and scaling solutions. The work of leaving things better than you found them.

In this next phase of your journey, remember to hold on to the values that define you. Be kind. Honest. Humble. Courageous. Hold fast to the friendships that have carried you to this success—even as you forge new ones. Please stay connected to your fellow Mastercard Foundation Scholars through the Baobab platform, on Facebook and on Instagram (#MCFScholars). Remember, the path of leadership can't be travelled alone.

I look forward to seeing what you do with your education and how you shape your future. I know you will do something remarkable.

We're rooting for you. I'm rooting for you.

Reeta Roy, President and CEO, Mastercard Foundation







































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