

**VICE-CHANCELLOR'S ADDRESS: JULY 2018 CONGREGATION
CEREMONIES**

Chairman of Council representing Chancellor
Members of University Council
Pro Vice-Chancellors
Registrar
Members of College Advisory Boards
Provost and Deans
Guest Speaker
Chairman and Members of the Advisory Board of the College of
Humanities
Members of Convocation
Staff and Students
Alumni
Graduands
Parents / Guardians
Invited Guests
Distinguished Ladies and Gentlemen

WELCOME

It is a great pleasure to welcome you all to this congregation ceremony. A total of **3,184** students will be graduating at various levels from the four Colleges of the University, namely: College of Health Sciences (365); College of Humanities (1,661); College of Education (34); and College of Basic and Applied Sciences (1,124).

This morning's ceremony will confer degrees on **341** students from the College of Health Sciences and the College of Education.

Another congregation ceremony will be held in November this year for students from all four Colleges, and a third batch, made up mainly of Distance Education students, will graduate in April 2019.

Let me use this opportunity to express my gratitude to faculty, administrators and other stakeholders for their support in keeping alive our role as custodians and making this day possible. I will also like to appreciate the time parents and invited guests have taken off their busy schedules to respond to our invitation to this ceremony.

Update on the State of the University

Distinguished ladies and gentlemen, kindly allow me to provide update on exciting developments at the University of Ghana.

Admissions

Our admissions process reflects the diverse nature of our student population. I am happy to note that during the 2017/2018 admission cycle, a total of **14,128** students, made up of **11,707** undergraduates and **2,421** graduate students accepted offers of admission and enrolled in various programmes run on the Main, Korle-Bu and Accra City Campuses, as well as by Distance Learning. These numbers include **389** international/visiting students from across the world.

Review of 4-Year Degree Programme

After eight years of implementation of our 4-year undergraduate programme, the University has set in motion a process reviewing the 4-year degree programme and the Grading System. The report from the Review Team has already been discussed by Management, Colleges, and the Business and Executive Committee. The composite report is being finalized for implementation.

New Programmes and Courses

A number of new courses and programmes have recently been approved by the University Academic Board. These include the

Executive Master of Science in Fisheries Administration and Management, Doctor of Philosophy in Health Physics and Radiation, and a functional law course for undergraduate students. The Academic Board has also approved revisions to the Doctor of Veterinary Medicine, Bachelor of Science, Master of Science and Master of Philosophy in Nursing and Midwifery programmes. The new courses would be made available once they receive accent by the National Accreditation Board.

The West Africa Centre for Crop Improvement (WACCI), has received international accreditation for its postgraduate programmes from the Agency for Quality Assurance through Accreditation of Study programmes (AQAS), Germany, a noted body for accreditation of higher education institutions and programmes. This accreditation opens the doors for strategic collaborations with other institutions.

Governance

National Accreditation Board Cyclical Review

The University recently underwent a statutory cyclical review by the National Accreditation Board. The four day review focused on governance, institutional development, internationalization, growth, research and grants, community service, academic matters, future outlook, information resources and finances. Meetings were held with university management, faculty and staff, as well as with students. Management of the University is committed to implement the recommendations from the review, which will enable us improve on our efforts at providing high quality teaching, learning, and research experience for our students and employees.

Review of Collegiate System

Chairman of Council, the University adopted the collegiate system of governance in the 2014/2015 academic year, mainly to promote

efficiency, reduce bureaucracy and free senior management to have time for the most important administrative functions. The statutes of the University were amended to make way for the creation of the four colleges, i.e. Basic and Applied Sciences, Education, Health Sciences and Humanities. Four years after the adoption of the system, a panel has been set up to review the collegiate system. The remit of the panel are to: review of the current collegiate system of governance with the view to identifying the short comings in the governance structure and making recommendations for improvement; make new proposals to improve the governance structure to achieve the twin goals of effectiveness and efficiency; and develop a set of governance principles, policies, standards, and practices that optimally support the university's strategic priorities.

The panel, chaired by a former Vice-Chancellor of University of Ghana, Professor Akilakpa Sawyer is currently interacting with major stakeholders of the University and will present its recommendations soon.

Strategy Execution

The nine strategic teams that were constituted in November 2016 to drive the transformational agenda of the University of Ghana have been working very hard and have already made some gains.

The Independent Power Supply Team: The University of Ghana currently spends about 29 million Ghana Cedis every year on electricity which is equivalent to 10 Megawatt amperes (10 MWA). The Strategic Team on Energy was therefore set up to find a sustainable way to reduce this huge cost by 40% using an energy mix (solar, biogas and others).

The Team in collaboration with the Electricity Company of Ghana has installed a net meter at the Noguchi Memorial Institute for Medical

Research (NMIMR), which provides data on the amount of energy used at the Institute and the excess energy made available to the rest of the University. I am delighted to inform you that the data from March 2018 indicates that NMIMR pumped into the University system excess energy of 4,498 Kwh from the solar cell facility.

On the issue of double billing, the University of Ghana Electricals Unit and the Building and Revenue Unit of the Electricity Company of Ghana have estimated a reduction of the University's energy bill by 13% every month. This is based on a reconciliation of energy bills paid directly by residents and commercial tenants of the University.

Through an initiative of VSL Holdings a demonstration of the impact of using energy saving devices has been completed. This would be used as a basis for scaling up at other residential facilities. All the traditional halls of residence at the University and some academic buildings are currently migrating from the use of CFLs to LED lamps.

The Danish Government is to provide funds towards the construction of a Biogas Facility at Livestock Production & Research Centre (LIPREC) to generate electricity to power the Research Centre and also for training purposes. This project if completed, will enable Livestock Production & Research Centre to properly manage its waste; produce manure, generate about 53,000KWh of electricity per annum and serve as a facility for teaching and research. The University is in the process of piping the biogas produced at the Alexander Kwapong Hall to the restaurant of the same hall for cooking purposes.

Arrangement for the refurbishment of streetlights (installation of 150 LED street lights) along major streets of the University of Ghana has been completed. Ministry of Energy is in the process of installing an additional 150 LED street lights from Okponglo to the link gate, GIMPA.

As part of efforts to complete the University Stadium, the Energy Strategic Team is exploring the possibility of roof top solar or solar car ports as potential energy sources for the facility.

Bui Power Authority is to install a 600 kW wind turbine on UG campus. A site has been identified and they are waiting for the arrival of wind mast to gather data (wind speed and direction) before the installation of the wind turbine.

University of Ghana is to be a key beneficiary of the ongoing Race to Retrofits & Renewables Program under Compact II, which seeks to promote Energy Efficiency Retrofits and Renewable Energy technologies in selected public institutions. Four (4) buildings (Academic Affairs, Vice-Chancellor's Office wing, Great Hall and UGCS) were selected for the exercise. Preliminary Energy Audits and Investment Grade Energy Audits for the 4 buildings were conducted. The first phase of the implementation involves changing of: non-LED light fixtures to suitable LED fixtures; existing air-conditioning and refrigerating systems to suitable minimum 3 star rated inverter type air-conditioning and refrigerating systems; existing fans to super energy efficient fans; and the installation of 15 smart meters at the feeder level and at different floors along with internet communication system and software. The second phase will see the installation of: Four (4) voltage stabilizers; and Solar PV modules for power generation.

I wish to take this opportunity to extend my sincere gratitude to the Ministers of Energy, Finance and Education and the Managing Director of the Electricity Company of Ghana Ltd., (ECG) for endorsing our initiative to migrate unto renewable energy. I would also like to acknowledge the technical support received from representatives from the Ministry of Finance, Ministry of Energy, ECG, Energy Commission and members of the team from the University.

University of Ghana Regional / World Ranking Team:

Through the hardwork of the Team, the University of Ghana has been ranked within the 101-150 band on the Times Higher Education (THE) Golden Age University Ranking 2018. The Golden Age ranking uses Times Higher Education data to cast a spotlight on the world's best universities established for more than 50 years, but less than 80 years. Institutions from 44 different countries were included in this year's edition of the world's Golden Age University Rankings. Thus makes the University of Ghana the only ranked university in Ghana and the number one ranked University in West Africa.

Institutional Advancement Team:

The Team successfully spearheaded the launched of the 70th anniversary of University of Ghana on Tuesday 20th February, 2018 at the Great Hall on the theme “Celebrating Excellence, Shaping Futures.” As part of the anniversary, the UG Endowment Fund was also launched by the President of the Republic of Ghana, His Excellency Nana Addo Dankwa Akufo-Addo on Monday 7th May, 2018. The endowment fund will be used to support scholarships, bursaries, tuition waivers, research grants for students and faculty, additional facilities and resources to enhance research and teaching through the provision of equipment, teaching aids and space, upgrading the quality of internet coverage in all University of Ghana campuses and improving on library resources.

I wish to cease this opportunity to reach out to all stakeholders to contribute generously to the fund.

The Green project Team is partnering a number of institutions to re-design our grounds to ensure that there are enough trees and green coverage, as well as develop and complete a waste disposal system that will rely on separation of waste, to serve as a model for Ghana. Some of the institutions and organizations that are supporting the University in this drive are; the Forestry Commission, ADRA, WECARE, Y & M Regeneration Limited and the Republic Bank. The

tree planting and landscaping initiatives were recently launched in separate events under the auspices of the Green Team.

Since the launch of the tree planting exercise on 1st December, 2017, the Green Project Committee and the PDMSD have led the University Staff (TEWU, GAUA, FUSSAG and UTAG) and some Student Groups to plant over 7,500 tree seedlings on the main campus of the University and the Staff Village. The Green Project Committee and the PDMSD are also supporting two students groups, CIYZOE-Legon and Technology without Borders, to implement the University of Ghana Plastic Recycling Project (UGPRP) which begins in the 2018/2019 academic year. The project involves awareness creation aimed at attitudinal and mindset change, and to effect waste segregation at source. Special bins will be positioned at vantage points at the halls of residence and hostels for students to drop empty water sachets and plastic bottles.

A unique feature of this initiative is that it is students-led. I will like to commend the groups and entreat the entire students' body to embrace the concept to facilitate the proper disposal of waste on campus. As a prelude to the implementation of the project, the student volunteers have already launched a programme to discourage littering during this congregation. I am appealing to you all to cooperate with them and drop waste in the bins that have been provided.

In addition, plans are far advanced to institute a comprehensive waste management system for the University to serve as a model for the country. This will involve compost production using litter fall from trees and biodegradable waste from commercial centres and eateries. The compost that is generated will be used for grassing, horticulture and crop production by the University.

The University of Ghana Mining Research Group: Our Director of the Institute of Environment and Sanitation Studies sent out a message to the University research community on the need for the University of Ghana to provide a holistic solution to the “Galamsey” issue. Over 50 researchers from all Colleges of the University responded and came together to form the University of Ghana Mining Research Group. The broad objective of the group is captured in the acronym STIMULATE: Solutions Targeting Illegal Mining Using Legislation, Appropriate Technology and Education. The Group, with the support of Office for Research and Development and the Center for Climate Change and Sustainable Studies, organized a symposium on the theme “*Engaging the Artisanal Mining Industry in Ghana: Practical Ideas toward Sustainable Livelihoods and Ecological Stability*”. An interaction between the group and a team from the University of York has yielded some dividend with the later agreeing to commit some core funding to support its staff to do research work in Ghana. Members of the mining research group have also been involved in the roll out of the Government’s flagship programme the ‘*Multi-Sectoral Mining Integrated Project*’ (MMIP) which is being implemented by the Ministry of Lands and Natural Resources.

Research, Innovation and Development

Distinguished ladies and gentlemen, the University of Ghana is committed to re-defining itself as a research intensive institution and actively encourages faculty to engage in research activities. We seek to engage in policy relevant research that will inform the development agenda of our dear nation and the African continent at large. The University’s investment in research is yielding fruitful results, and already the quantity and quality of research being carried out at the University of Ghana have improved tremendously. In addition, the University has won landmark research grants, which have been utilized to enhance its research profile. In view of this, the Office of

Research, Innovation and Development (ORID) is taking the lead in ensuring that we meet our set goals.

Research, Faculty Development and Conference Grants

ORID received a total of 148 applications for conference grants. Out of this number, 72 grants with a total value of approximately US\$ 118,000.00 (one hundred and eighteen thousand dollars) were awarded. The 11th call for proposals for research grants was made using the InfoEd Grants Management Software and yielded seventy-five (75) applications. Fifty-seven applications qualified for review and are currently being processed.

Agreements

From August 2017 to date, ORID has reviewed and signed 53 research agreements amounting to approximately Eighteen Million United States Dollars (US\$ 18,000,000.00). In addition, 13 MoUs, 1 copyright agreement, 2 Material Transfer Agreements and 1 non-disclosure agreement have also been signed.

The Noguchi Memorial Institute for Medical Research (NMIMR) won grants to initiate 16 new projects during the year. Altogether a total of 128 research projects were initiated at the Institute during the period under review. The Institute continued to function as the as World Health Organisation (WHO) recognised National Influenza Center for Ghana, the WHO Regional Reference Laboratory for Polio as well the WHO supported Reference Centre for the Identification of Rotavirus. It is also the Lymphatic Filariasis Support Centre for Africa, and host to the West African Centre for International Parasite Control (WACIPAC) project. It is worthy of note that the Institute continues to excel and has become a great icon in the world of health research.

Capacity Building

The University of Ghana and its consortium of five African partners have been awarded an amount of **€1.3 Million** (one million, three hundred thousand euros) from the European Commission within the framework of the EU-Intra Africa Mobility Programme to implement a project titled: ***Harmonization of Entrepreneurship Education for Sustainable Development in Africa (HEED-Africa)*** for a period of 5 years. The project seeks to facilitate academic mobility to enhance individual capacities and institutional capabilities in entrepreneurship across thematic disciplines in Africa. The programme will offer scholarships for Masters and PhD students as well as capacity building for academic and administrative staff of the partner Universities.

The West African Centre for Crop Improvement (WACCI) received a grant from the Alliance for a Green Revolution in Africa (AGRA) for the production of early generation seeds in partnership with a private sector player, the Legacy Crop Improvement Centre (LCIC). WACCI is currently undergoing production of breeder and foundation seed of the three improved hybrid maize varieties released in June 2017. The project “Commercialization of West Africa Centre for Crop Improvement released maize hybrids for increased productivity in Ghana” seeks to improve household food security by facilitating the commercialization of the three WACCI hybrids.

Additionally, WACCI has led a consortium to win a US\$1 million grant from the African Union (AU) to work with government and industry partners on ***Crop and Soil Health Improvement for sustainable Agricultural Intensification towards Economic Transformation in sub-Saharan Africa (SSA)***. The 3-year project aims to address issues related to the food and nutrition security

objectives of the African Union under its Competitive Research Grants Scheme supported by the European Union.

Faculty and Student Fellowships

Faculty members have also benefited from the Cambridge-Africa Partnership for Research Excellence (CAPREX), Canadian Queen Elizabeth II Diamond Jubilee (QES) Advanced-Scholars Grant, the Commonwealth Doctoral Scholarships and the Fox International Student Fellowship Scheme. For the CAPREX award five applications were recommended by University of Ghana to Cambridge for further matching, out of which three have been successfully matched to Cambridge-based collaborators with the remaining two likely to be matched with “South” collaborators with support from collaborators in Cambridge.

In collaboration with the University of Alberta (U of A), the School of Nursing and Midwifery (SoNM) won the Canadian Queen Elizabeth II Diamond Jubilee (QES) Advanced-Scholars Grant. The Grant will give 7 faculty members of the School the opportunity for a minimum of 90 days stay in Edmonton, Canada. The scholars will have the opportunity of mentorship for research and grantmanship.

Ladies and gentlemen, the University will continue to dedicate resources towards research as it strives to attain its vision of becoming a research-intensive university.

Innovation

The Institute of Applied Science and Technology (IAST) was established in 2012 to advance the development of Ghanaian industry through the conduct of industry-led research and serve as a vehicle for the transfer of knowledge, technology and innovation from the University to industry. The long term plan of the Institute is to establish a Science and Technology Park. This is intended to provide a holistic state of the art infrastructure for industrial research, transfer of technology and innovation.

The expected location will be at the link gate/GIMPA bypass which was originally zoned for a science park. This facility will be a property based development, providing the requisite infrastructure, associated services and modern amenities. The proposed Science and Technology Park will therefore be a master planned community with the establishment of specialized buildings and facilities to accommodate: Start Up businesses; Incubator Centres and Laboratories; Education/Research/Visualization Centres for programmes; “State of the Art” Office accommodation, facility and business to aid research and development among others.

The Institute has started helping students to set up their own ventures and develop skill sets in innovation and entrepreneurial training. This training shapes the mindset of students to holistically express themselves and act on their innate creative potential. It also creates sustainable model of environment where students are immersed into creative and entrepreneurial endeavors through collaborations, activities, and channeling their entrepreneurial potential into all facets of their lives. The Institute believes that today’s skills are not necessarily the ones needed tomorrow. Therefore, our students should be given first-hand experience of the link between academics and entrepreneurship/innovation. It is usually said that today’s digital natives are the most adept at using technology, but at the same time they are less certain of the

innovative processes that created them. The younger generation needs to learn how to create value in the digital economy, and embrace the opportunities that abound in science and technology.

Partnerships/Collaborations

Partnerships are very critical in the delivery of relevant and comprehensive knowledge and skill sets to learners in higher education institutions. Effective collaboration with external stakeholders from various fields of specialization provide unique platforms for sharing knowledge and skills that are mutually beneficial. In furtherance of this ideal, the University has forged new institutional partnerships to promote research, exchange of students and faculty with a number of institutions in North America, Europe, Asia, Australia and Latin America. New partnership agreements are currently underway and expected to be signed soon.

The School of Engineering Sciences, the CLUE Incorporated from Japan and the Noguchi Memorial Institute for Medical Research (NMIMR) are monitoring the performance of the solar panel farm at NMIMR. The monitoring process includes monthly recording of the kilowatt hour excess electricity pumped into UG by the solar panels using a net meter installed by Electricity Company of Ghana. In order to evaluate the current state of each solar panel, the School of Engineering Sciences and CLUE Inc., will employ the use of drones equipped with infrared sensor to study the surface of the solar panels by flying over the panels. This will help to identify damages and micro cracks on the solar panels that are not visible to the naked eye but affects the conversion efficiency of the panels.

Following the signing of an MOU between the University and Toyota Ghana Limited in April 2017, the parties have gone a step further to put together a project Partnership Agreement which is being finalized for signing soon. Under the partnership, Toyota will support the School of Engineering by building an ultra-modern training Centre to

train students, provide equipment worth \$2 million to the School over 10 years, provide a bus to convey students to the Centre as well as provide scholarship worth \$10,000 per year to brilliant but needy students.

A Memorandum of Understanding has been signed between the University of Ghana and Ghana National Petroleum Corporation (GNPC) to establish a Research Chair in Petroleum Geoscience at the Department of Earth Science, College of Basic & Applied Sciences. The Chair seeks to strengthen Petroleum Geoscience research and education capacity in the University of Ghana in order to support the optimal exploration, delineation and development of Ghana's hydrocarbon resources. Under the agreement, GNPC will commit \$1,000,000.00 (One Million US Dollars) to support the Chair.

Physical Development

Ladies and gentlemen, quality infrastructural facilities are critical to the achievement of the vision and mission of the University of Ghana. There are many ongoing projects on all our campuses, which will provide additional lecture halls, residential facilities and office spaces for our staff and students when completed. These projects include the multi-purpose School of Performing Arts facility, new blocks for the School of Pharmacy, multi-purpose GCB block, Faculty of Arts building, new blocks for Department of Earth Science, Extension to School of Public Health, Asphaltic Overlay of selected roads on campus and the UG Stadium. The following projects have been completed: Department of Economics Extension, Construction and Completion of 4 number B-Type Bungalows at Staff Village. The Confucius Institute building and the ultra-modern West African Centre for Cell Biology of Infectious Pathogens (WACCBIP) building have already been commissioned. The next in line for commissioning is the multi-purpose building for the West Africa Centre for Crop Improvement (WACCI).

We like to express our gratitude to our local and foreign partners who have contributed to funding for these projects, and as a University, we will continue to prudently source for funds to complete the ongoing projects.

The Graduate Students' Association of Ghana (GRASAG-Legon) has commissioned a number of projects as part of the Association's contribution towards the attainment of the University's vision of becoming a world class research-intensive institution. These include four refurbished reading rooms and one television room at the VALCO Trust Hostel, as well as the refurbishment of an ultra-modern Research Commons at the Korle-Bu campus. I commend these initiatives by GRASAG-Legon and hope that students will make good use of these facilities.

ICT

Distinguished Guest, Ladies and Gentlemen, the University has made some progress in the provision of ICT services. A total of about 950 Wi-Fi Access points have been installed in all the campuses of the University including the Research Centres and the Regional Distance Education Learning Centres. A progressive replacement and Wi-Fi network extension exercise is currently underway to address coverage and signal strength frustrations faced by students. The exercise is expected to be completed by the middle of the first semester of the 2018/2019 academic year. The University of Ghana Computing Systems (UGCS) has also received a 100 more Access Points to deploy at other critical places like the Library and departments in addition to some of the Halls.

The University has completed the deployment of a high-performance computing (HPC) infrastructure for West African Centre for Cell Biology and Infectious Pathogens (WACCBIP). This is mostly available

to the Centre but could be made available to other units based on agreement.

UGCS in collaboration with the University Archives has completed several digitization records. For the period under review, 455 items were added to the University of Ghana Institutional Repository.

Use of the SAKAI Learning Management System for the University's e-Learning programmes continues to improve with an average concurrent usage of 350 and an increase in courses created to 5, 611 as at the end of registration for second semester of 2017/2018 academic year.

Security monitoring of our infrastructure and services is currently ongoing. Security awareness bulletins are published weekly, and the UGCS has organized the first in a series of Cyber Security Awareness Workshops which aim at bringing awareness to the community on how to secure University and personal data.

Financial Aid to Students

Ladies and gentlemen, the Students Financial Aid Office (SFAO) has the mission of minimizing the financial barriers that prevent brilliant but needy students' access to studying at the University of Ghana. Donations to support needy students grew from approximately GH¢1,100,000.00 (One Million and One Hundred Thousand Ghana Cedis) in 2016-2017 to approximately GH¢3,000,000.00 (Three Million Ghana Cedis) in 2017-2018 academic year, representing about 155% increase over the previous year.

During the period under review a total of six hundred and fourteen students (614) out of nine hundred and twenty (920) applicants were awarded scholarships. This represented 66.7% of all scholarship applicants. The 614 scholarship awardees comprised 424 males representing 69.1% and 190 females representing 30.9%.

Management expresses its profound gratitude to all its revered donors for their regular support towards the reduction of the financial constraints of needy students.

Sporting Activities

University of Ghana Policy on Admission of Athlete Students (UG-PAAS), a policy that guides concessionary admission of students talented in sports who meet the minimum UG requirements is in its fourth year of operation. The first batch of students admitted through this policy would be graduating this year. The policy has so far admitted **200 students** of which **68 are female** and **132 are male**. Five students who were enrolled through this policy have obtained scholarships and are currently pursuing further studies in the United States.

The University of Ghana Sports Fund (UG SPORT FUND) is an initiative to motivate and support talented and needy student athletes of the University of Ghana, and to attract potential talents for admission into the University. It is the first and the only sport fund in any public university in Ghana. The fund has enabled the Sports Directorate to sponsor **20 students** comprising **4 female** and **16 male**.

Incoming Chancellor of the University

Ladies and gentlemen, the tenure of His Excellency, Mr. Kofi Annan as Chancellor of the University of Ghana, expires on July 31st, 2018. Mrs. Mary Chinery-Hesse, who has been elected as the next Chancellor, will be sworn in by His Excellency, the President of the Republic, on August 1, 2018.

I wish to crave your indulgence to join University management to thank H.E. Mr. Kofi Annan for a very successful term, during which he achieved so much for the University, particularly in the area of

fund raising, and paving the way for fruitful collaborations and partnerships. We wish H.E. Mr. Kofi Annan well, even as we welcome Mrs. Chinery-Hesse, as the tenth Chancellor of the University, and the first female to hold this high office.

Well Wishes to Graduands

And now, to the Graduating Class who are the reason we are here today, as well as their families who have provided for them throughout their study period. For you graduands, this is a moment that comes with a strong sense of achievement. Today, the University is officially dispatching you into the wide world as its able ambassadors.

I urge you and by extension, the youth of this nation to aspire for the values of discipline, integrity, honesty, modesty and contentment in all your endeavors. Seek excellence, believe in yourself, work hard, plan ahead, be ethical in all your dealings and these virtues will guarantee you success. Eschew greed, quick fixes and crave for money, which are the roots of many evils in our society today.

I wish you well in your journey ahead, and once again, congratulate you on your achievements!

Distinguished Guest, Ladies and Gentlemen, I thank you for your attention.

Professor Ebenezer Oduro Owusu
July 20-21, 2018