

formulate a road map for the development of nanotechnology.

According to her, it was pertinent to note that the current trends in research and development have shown that nanotechnology has emerged as the next frontier for the exploration of science and the development of new technologies. She noted that experts have also projected that a multi-billion dollar global market would emerge over the next two decades from this technology that impacts such diverse fields as medicine, agriculture, energy, water purification, information technology and electronics.

She continued that the promise of creating super-strong and light materials for space exploration of restoring environmental systems on a molecular level, of injecting patients with machines to make repairs are all part of the promise of Nanotechnology. Every area of industry, health and environment can be improved by the inception of Nanotechnology- which is the ability to fabricate, repair and organize on atomic or molecular scales.

Furthermore, Prof. Osuji a Professor of Physics said that it was pertinent to note that the developed world and even some emerging economies have strong bases in nanotechnology within their research communities. Stating that rapid growth in interest in this field requires us in Nigeria to become globally directive and to achieve this there was need for the Nigerian government to put in place strong political will, relevant national policies and sustained research and development in the country.

It is our desire to fast tract development through human and infrastructural capacity building, consequently reducing the gap between the developed and the

emerging economies hence this conference and workshop.

She also commended the MD/CEO OilServe Ltd Group of Companies, Sir. Engr. Emeka Okwuosa for his continual sponsorship of the conference.

Delivering the first lecture, the former President, African University of Science and Technology Abuja, Prof. Wole Soboyejo in his paper titled: "New Frontiers for Materials for Health, Energy and the Environment" said that science and technology were the major engines of development. Adding that materials have always been a major driver in technological change. Where alloys and semiconductors are hard materials, polymers are soft materials.

He went further to explain that examples of Strategy for Systems-Based Interdisciplinary Approach to Research are Advanced Materials (Bio and Nano) which include Health and wellbeing and alternative energy and also societal development such as affordable infrastructure as in recycling of agricultural industrial waste and Energy harvesting from the walls of buildings.

Prof. Soboyejo stressed that his goal is to inspire young people to think beyond the box and make use of scientific approach to tackle issues.

The Chief Scientist & Research Group Leader, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa, Prof. Kenneth I. Ozoemena in his paper tagged: "Nanostructured Energy Storage Materials for Renewable Energy Technologies" disclosed that according to World Bank, 20% of Africans have access to electricity.

While stating the importance of energy, he said, "Energy is intricately linked to human prosperity; energy is pivotal to

economic growth and energy is the reason for most human problems and in order to have renewable Energy in Africa, the key drivers are Climate action (curbing environmental pollution) and Economics & improved quality of life (Africa, women and energy). While pointing that the implications would be clean mass transportation; clean energy generation (utility) and off-grid energy for the rural poor (Africa)".

Prof. Ozoemena quoted the *Chief Executive, Oando, Adewale Tinubu as saying*, "Africa does not have the time for traditional power roll-outs. The continent cannot transform without power. We are losing the opportunity to leapfrog out of poverty by failing to invest in energy" and *Kandeh Kolleh Yumkella (former UN under-S-G)* said that "Without access to affordable, reliable, sustainable energy, Africa cannot really take advantage of the 4th industrial revolution. Governments "should do for the energy sector what they did for mobile telephone: you deregulate, you privatise, you incentivise, private capital will come in".

It was a rare gathering of elites, scientists, physicists, intellectual power house, major industry players from across Africa, Asia and Europe and America.

In attendance were the Coordinator, Nano Research Group and Director, International office of UNN, Prof. F. I Ezema; Prof. Deji Akinwande; 3M Distinguished Professor & Fulbright Scholar, Prof. Peter N. Kalu; Senior Principal Researcher, CSIR, Prof. Hulda Shaidi Swai; Dr. M. V. Reddy; Senior Researcher, CSIR, Dr. Mesfin Kebede; Director, Energy Centre, UNN, Prof. Paulinus Ugwoke and Prof. Anthony A. Attama.

# Nigerian Army Resource Centre collaborates with UNN

Olanrewaju Mgboji



Senior Research Fellow, Nigerian Army Resource Centre, Major General Ijioma Nwokolo Ijioma with the Vice-Chancellor, UNN, Prof. Benjamin C. Ozumba.

In order to address security challenges that have bedeviled the nation through cutting edge research, the Director General, Nigerian Army Resource Centre (NARC), Major General J. G. S Hamakim paid a courtesy visit to the University of Nigeria, Vice-Chancellor, Prof. Benjamin Chukwuma Ozumba in a bid to seek for collaboration in the area of research, seminar, symposium, workshop and conferences.

Speaking during the visit, the DG who was represented by the Senior Research Fellow, Nigerian Army Resource Centre, Major General Ijioma Nwokolo Ijioma said that the centre was the youngest branch in the Nigerian Army.

According to him, the choice of UNN as one of the Universities to collaborate with was based on the position of UNN not only in Nigeria and Africa but in the world

with respect to research.

“UNN has made remarkable landmark with regards to her recent webometric ranking which placed her first in Nigeria, 14<sup>th</sup> in Africa and subsequently 1500 in the world” he said.

The Vice-Chancellor, Prof. Benjamin Chukwuma Ozumba while lauding the army pledged the University's support to collaborate with them in the area of research while stressing that the solution to the countries challenges lies in the institutions of learning.

It is worthy of note that the Nigerian Army Resource Centre (NARC) was established on 20th November 2015 as a national 'Think-Tank' aimed at furthering the interest in and knowledge of the art, science and literature of the Defence Services. It is responsible for proffering solutions to the Defence and security issues confronting the Nigerian Army (NA) in particular and the nation in general. This is actualized through research and issue-based discourses including but not limited to brainstorming sessions, seminars, symposia and

workshops involving serving and retired officers, scholars from the academia and researchers from related research institutions. To actuate this mandate, the centre was initially structured into 7 Directorates. However, the Chief of Army Staff (COAS) recently approved the inclusion of the Nigerian Army Museum as the 8th Directorate.

The Centre publishes Defence-related journals, organizes seminars and offers consultancy services in varied aspects of security. In addition, the Centre showcases new inventions, promotes inter-disciplinary studies and issues annual reports. Ultimately, the aim is to provide necessary advisory services to the COAS for improved decision-making and policy formulation. The Centre presently operates from a temporary site at No. 5 Lekki Close Garki II, Abuja but the permanent site is located opposite the Post-Service Housing Department at Mambilla Barracks Asokoro, Abuja..

The army general was accompanied by the Deputy Director Administration, Lieutenant Colonel Ugochukwu Vitus Unachukwu.

## Faculty of Veterinary Medicine UNN Ushers 73 DVM into Labour Market

Alika Choice



Doctors of Veterinary Medicine taking an oath to uphold the call of their Profession at the 37<sup>th</sup> Oath taking/ Induction Ceremony

The Faculty of Veterinary Medicine University of Nigeria, recently ushered 73 Doctors of Veterinary Medicine into the labour market during her 37<sup>th</sup> Induction/Oath taking ceremony. Speaking at the ceremony held at the Princess

Alexandra Auditorium, and Unity Hall, UNN, the Registrar of the Veterinary Council of Nigeria (VCN), Dr. Marcus Avong who represented the VCN President Prof Garuba Sharabutu, said that the Veterinary Oath taking is what guarantees the Doctors of Veterinary Medicine (DVM) the legal right to practice both in Nigeria and Abroad.



Dr Avong extolled the Faculty of Veterinary Medicine UNN, emphasizing that the Veterinary Council of Nigeria is proud of the Faculty for producing excellent Doctors. He urged the Faculty not to relent in their strive for excellence as Veterinary Medicine is a profession of discipline.

Also, the Nigeria Veterinary Medical Association President, Dr. Edgar Sunday, revealed that the Doctors are graduating at an auspicious moment, stressing that the Nation is in desperate need of their professional skills to boost her Economy.

The Vice-Chancellor University of Nigeria Nsukka, Prof Benjamin Chukwuma Ozumba, briefed the graduates that the principles of the Veterinary ethics were engrafted in their oath.

Moreso, Prof Benjamin Ozumba charged the graduands to use their scientific knowledge and skills for the benefit of the society by preventing animal diseases, reliving animal suffering, improving animal production, promoting public health and advancing veterinary knowledge.

Further, he urged them not to disembark on the improvement of their professional knowledge and competence through regular participation in formal and informal educational programmes. "your graduation from the University of Nigeria and induction into the Veterinary profession today should not signal an end but a beginning to your practical learning process and professional development", he said.

Also, Prof Benjamin Ozumba, admonished the graduands to always be good representatives and worthy ambassadors of their Alma Mater wherever they find themselves in the world.

## 2016 Jackson Lecture: Journalists Challenged on Professional Ethics

*Kelechukwu Iruoma & Gideon Arinze (Mass Comm. Students UNN)*

**N**igerian journalists have been urged to obey rules guiding journalism so as to provide solid reporting with precision and ethical considerations to boost the professional status of journalism.

This was stressed in speeches delivered at the 2016 Jackson Annual Lecture tagged: 'Journalism Today: the Realities of Professional Practice' organized by the Department of Mass Communication, University of Nigeria, Nsukka,

Senior Special Assistant on Media and Publicity to Niger State Governor, Mr Babajide Orintusin described the practice of journalism as an all-comers affair as a result of the hijack of the profession by people without formal journalism training.

He regretted that the integrity of contemporary journalists had been compromised by economic hardships and the struggle to survive. "Journalists are being exploited by their employers and the society", he said.

The media guru equally expressed disapproval with what he termed an "unholy allegiance of media Professionals to media owners", especially those working with government owned media. "This kills the ideas of investigative journalism because you will not want to say something that is contrary to the views of the govt.", he said.

Further, he revealed that sensationalism of news items and

headlines were other disturbing realities of journalism practice which many editors employ in order to sell their newspapers. He called on journalism gatekeepers to abide by the sacred norms which guide the practice of their profession.

Orintusin, acknowledged that journalists have played noble roles in the political, economic and social development and progress of the country. He however noted that, "We can make a difference by realizing that as journalists, we occupy a sensitive position in the society. We must at all times strive to uphold the professional ethics of the profession."

The Country General Manager (Public and Government Affairs), ExxonMobil. Mr Paul Arinze while delivering his lecture on Business communication noted that the study of journalism prepared one for leadership and opened up an endless world for journalists.

"Studying mass communication is one of the best decisions you can make as today's communicator must necessarily become tomorrow's business leader", he said.

The Vice-Chancellor, Prof. Benjamin Chukwuma Ozumba was at the event represented by the Deputy Vice-Chancellor (Administration) Prof Charles Igwe. The lecture was chaired by Professor Ndolo, while the then Head, Department of Mass Communication, Dr Greg Ezeah, led other staff of the Department to the occasion. Also in attendance was the former Dean, Faculty of Arts, Prof. path Okpoko.

## My Administration Has Zero Tolerance for Corruption -Ozumba

*Inya Agha E.*

**T**he Vice-Chancellor of the University of Nigeria, Prof. Benjamin Ozumba has called on staff and students of the

University to support his administration's stand on zero tolerance for corruption and other related offences to enable the



*Members of ACTU-UNN at their inauguration*

University uphold its culture of excellence through hardwork.

Prof. Ozumba made the call at the Inauguration of Anti-Corruption Transparency Monitoring Unit (ACTU) in the University by the Independent Corrupt Practices and other Related Offences Commission (ICPC).

The Vice-Chancellor, who was represented by the Deputy Vice-Chancellor (Administration) Prof. Charles Igwe, noted that ACTU would serve as an “in-house Check mechanism to monitor, identify and address corruption prone areas within the system”

He expressed hope that the programmes of ACTU-UNN would help transform the mindset of members of the university community on the issue of corruption and help stamp out the menace in the system.

ACTU-UNN was in compliance with the approval of the Head of Service of the Federation empowering the ICPC to inaugurate ACTU in all government Ministries Departments and Agencies (MDAs)

Hassan, who was represented by Nzebubachi Chukwuma, said that ACTU was meant to awaken the consciousness of workers on the effect of corruption on the educational system and the nation at large. “ACTU is the eyes of the Commission (ICPC) in the MDAs, so are other staff in various offices of the institution”, he said

The Commissioner advised ACTU-UNN members to live above board and to be role models to other staff.

Some of the functions of ACTU, according to Ikeoha Chukwuma,

The Commissioner of ICPC, Enugu Zonal Office, Prince Hassan Mohammed, said the Inauguration of

who presented a lecture on “The Role of Anti-Corruption and Transparency Monitoring Unit in the Fight Against Corruption in MDAs”, included; anti-corruption education and public enlightenment; monitoring budget implementation; developing code of ethics for staff and developing protection mechanism for informants and unit members.

The unit, according to Chukwuma, is also saddled with the responsibility of monitoring compliance with certain civil service rules such as suppression of records, false claim and falsification of records.

Members of ACTU-UNN included: Prof. Jonah Chukwuemeka Agunwamba-Chairman; Professor Ngozi Chinelo Ojinnaka; Prof. J.A Onwuka; Prof. Ikechukwu Emmanuel Onwurah and Prof. Joel Ojo Ademiliyu.

Others were Dr Mrs. Nnenna Ola Onuoha; Dr. Udensi Maduabuchi Igwebuikwe and Patrick Okechukwu Emeter.

Chairman of ACTU-UNN in his acceptance speech solicited for support and cooperation of staff of the university, promising not to betray the confidence reposed on him and members of his committee by the university administrations and the ICPC

## SERVICOM, FRSC Organise Sensitization Workshop on Road Safety

*Ebere Onyekwelu*

The Federal Road Safety Commission, (FRSC), in collaboration with the Servicom Unit, University of Nigeria, recently organised a two day sensitization workshop on how to apply safety on Nigeria highways while driving.

The Federal Road Safety Commission, Corps Marshal, Dr. Boboye Oyeyemi who was

represented by the Deputy Corps Marshal, Barrister Chidi Nwachukwu, disclosed that many road crashes which occurred in Nigerian were caused by reckless driving; hence he called on Nigerian road users to make use of the Highway Code in order to save lives while driving.

He made this remark during the Sensitization workshop for the

University of Nigeria Staff titled: "Vehicle Administration and Safety on Nigerian Road." He emphasised that in order to save lives and property on the road, FRSC had commenced and sustained special operations such as the 'Operation Scorpion' which was targeted at both tankers and trailers with special checks for safety valves, retro-reflective tapes



and tyres.

According to him as part of the Corps mandate which is to save lives and reduce fatalities in the event of Road Traffic Crashes-RTCs, FRSC have commenced an advisory enforcement on the use of rear seatbelts. He advised Nigerians to call #122# in case of any emergency on the road such as accident or overloading.

Dr. Boboye also stated that to reduce road crashes on the highway, the FRSC has introduced the Road Transport Safety Standardization Scheme (RTSSS), which would supervise and monitor the operations of Fleet operators and ensure strict adherence to standards and ultimately reduce RTC.

Furthermore, the FRSC had also established a Driving School Standardization Programme (DSSP) with the aim to standardize and create uniformity in driver education. According to him, the programme would ensure that only driving schools that meet the requirements of the FRSC are

certified for operations in Nigeria.

He advised road users to always purchase new tyres instead of "Tokunbo tyres" as they are expired. Vehicle owners are encouraged to always check tyre production dates and its expiring date because an appropriate life span for tyre replacement is 4 years from the date of manufacture (DOM).

Meanwhile, the Vice-Chancellor, University of Nigeria, Prof. Benjamin Chukwuma Ozumba, who was represented by the Deputy Vice-Chancellor (Administration), Prof. Charles Igwe, applauded the FRSC for her effort to reduce road crashes in



*The Federal Road Safety Corps and the Principal Officers of the University.*

Nigeria highways.

Prof. Ozumba, urged the FRSC to keep enlightening the public through sensitization and workshop programmes of this nature on the essence of Highway Code while driving on the roads.

He also appealed to them to find a lasting solution to the bad roads as these were the major cause of road crashes.

## VC Forges Collaborations with Swedish Universities

The Vice-Chancellor of the University of Nigeria, Prof. Benjamin Ozumba on June 26, 2016, led a delegation from the University of Nigeria to Swedish universities for discussions on possible collaborations in the areas of academic and research corporations.

The visit was on the invitation of Dr. Andreas Gothenberg, the Executive Director of Swedish Foundation for International Cooperation in Research and Higher Education (STINT).

In the Vice-Chancellor's entourage were Professor Kenneth Ofokansi, Director, Research and International Collaboration and Professor Joy Ezeilo of the Faculty

of Law whose earlier private visits to Sweden provided the initial impetus to seek collaboration with Swedish universities.

During the visit the delegation from the University of Nigeria was hosted first by Dr. Gothenberg who revealed to the UNN team that STINT had a number of programs to support academic cooperation in all fields of learning between Swedish and non-European universities.

Other Swedish universities that played host to the UNN delegation included Uppsala University, Stockholm University, KTH Royal Institute of Technology and Swedish University of Agricultural Sciences.

Fall out of the discussion with KTH Royal Institute of Technology required the University of Nigeria to nominate two post-doctoral researchers (from the Faculty of Engineering and Department of Economics) to work with Dr. Mark Howells of KTH with the view of developing fundable/bankable proposals for submission to funding Agencies including the African Development Bank. Dr. Howells is the Coordinator of Europe's Energy Modeling Group.

Also, the University of Nigeria is expected to nominate three members of staff to participate in a conference being organized by a team from KTH in Tanzania in September. The team will be



# PHOTO NEWS



New university Bursar, Mr Jude Kenekukwu Edeh (4<sup>th</sup> from left) and staff of the Bursary unit.



Former Dean, Faculty of Education, Prof. Uju Clara Umo (middle) unveiling one of the 18 laptop computers she presented to the faculty during the valedictory meeting of the Faculty of Education. With her is the DVC(Academic) Prof. James Ogbonna (right)



Prof Uju Umo, former Dean, Faculty of Education, presenting to the Deputy Vice-Chancellor (Academic) Prof James Ogbonna, a Sienna 2010 model car she bought for the faculty. With them are members of the Faculty of Education.



Principal Officers of the University with members of the Association of General and Private medical practitioners after paying a courtesy call on the Vice-Chancellor



The Vice-Chancellor, Prof Benjamin Ozumba, (middle) Obi of Onitsha, HRM, Alfred Achebe (5<sup>th</sup> from left) principal officers of the university, guests and faculty members after a courtesy call on the Vice-Chancellor to flag off Agbogidi Conference, on Igbo Culture and Leadership, held on 18<sup>th</sup> July 2016



Members of UNN, UNESCO-UNEVOC Centre marking 2016 World Youth Skill Day at Government Technical College, Nsukka on 15<sup>th</sup> July 2016



NDLEA Enugu State Commander, Anthony Ohanyere, presenting copies of books he authored to the Deputy Vice-Chancellor, (Administration) Prof Charles Igwe at the VC's Conference room , UNN



VC Prof Ozumba (3<sup>rd</sup> from left) with UNN debate team that clinched overall 2<sup>nd</sup> position at the Impact Africa International Debate and Public Speaking Contest for Tertiary Institutions held in Tamele, Ghana. With them is the team's coach, Prof Edith Nwosu (1<sup>st</sup> from left) .



# PHOTO NEWS



The Vice-Chancellor, Prof Benjamin Ozumba (middle), principal officers of the university, and members of the Board of Institute for Climate Change, University of Nigeria, Nsukka, after the inauguration of the board by the Vice-Chancellor.



Coach of UNN cricket team, Rev. Prof. Onyechi, (left) presenting 2016 Chuma Anosike trophy won by his team to the Vice-Chancellor. With them is the university's Director of Sports, Mr Godwin Ogbobe



The Vice-Chancellor, Prof Ozumba (2<sup>nd</sup> from left) presenting made-in-UNN pencil portrait to the Minister of State for Education, Professor Anthony Anwuka (left) during the Minister's visit to inspect STEP-B equipment donated to the Faculty of VTE, UNN. With the VC are the former Director of CETVETAR Prof Edhe and the then Dean, of Faculty of VTE, Prof. Igbo.



The Vice-Chancellor, Prof Ozumba (Middle), Principal Officers of the UNN, members of the Board of Institute for Climate Change, and ACCAI-UNN evaluators after their courtesy call on the VC.



VC, Prof Ozumba (Middle) flanked by DVC (Admin) Prof. Igwe (left); Prof Ogbonna (right) and Staff of the Faculty of Pharmaceutical Sciences during the 2<sup>nd</sup> International Polymer Conference



Principal Officers of the University of Nigeria; Headmistress, University School; Chairman, Board of Governors of the school and members of University School Old Friends after their courtesy call on the Vice-Chancellor to signal their 2016 homecoming.



The Vice-Chancellor, Prof. Benjamin Ozumba, delivering condolence message, on behalf of the university's administration, to Justice Enejere (Rtd) the widow of former Pro-Chancellor of UNN, during the burial of late Sir Emeka Enejere.



Cross section of participants at the leadership retreat organised for key functionaries of the University of Nigeria on August 9, 2016 at Niger Hall, CEC