



# Covenant University Newsflash

A weekly update of News and Events in Covenant University October 17-21, 2016

## VC, DG Hopeful as CU, FIRO Sign MoU on Collaboration

The Vice-Chancellor, Covenant University, Professor AAA. Atayero and the Director-General, Federal Institute of Industrial Research, Oshodi (FIRO), Dr. (Mrs) Gloria Elemo were full of enthusiasm and expectation as both on Friday, October 14, 2016, signed a Memorandum of Understanding (MoU) on a mutually beneficial partnership.

Speaking at the MoU signing ceremony, which took place inside the Senate Chambers of Covenant University in Ota, Ogun State, the FIRO DG said that though the synergy between the two organisations was long overdue, the collaboration with Covenant University is strategic at this point of Nigeria's national development.

While acknowledging Covenant University's reputation as an

entrepreneurial university, Dr. Elemo revealed that FIRO has trained over 500,000 technopreneurs, many of which have established profitable enterprises generating millions of employments through direct and multiplier effect.

"FIRO is well positioned in terms of human and Research and Development facilities to engage on this collaboration drive," said the DG. "We shall bring to fore in this collaboration our experience of successful collaborations with other tertiary institutions and research organisations."

Highlighting the scope of the MoU, the Director, Covenant University Centre for Research, Innovation and Discovery



VC, Professor AAA. Atayero in a warm handshake with DG FIRO, Dr. Gloria Elemo

(CUCRID), Professor Olawole Obembe, said the initiative involves FIRO entering into collaboration with Covenant University: to establish, develop and operate high integrated technologies; to undertake joint research projects of mutual interest to both parties;  
**Contd. on Pg 2**

## CU Faculty Develop Vehicle Speed Limiters

Covenant University, Ota, Ogun State, has launched itself into the upper reaches of history with innovative speed limiters developed by two members of its faculty, Professor James Omoleye and Dr. Victor Matthews.

A speed limiter is a device that prevents a vehicle from being driven above a specified speed.

Presenting his invention to the Management of Covenant University on Monday, October 17, 2016, Professor Omoleye, a professor of Chemical Engineering, said his work was prompted by a challenge given in April 2016 by the Nigeria Committee of Vice-Chancellors to Nigerian University Researchers to develop vehicle limiter.

Armed with the objective of



Professor James Omoleye

developing a speed limiter that can prevent vehicle speed above the set safe speed limit, Professor Omoleye said he has come up with a speed limiter that has the ability to prevent speed beyond the programmed speed limit.

He explained: "By operation, the Speed Limiter gives red light warning to the driver when the programmed speed limit is approached. The driver is expected to either stop acceleration or maintain current speed for safe driving. If the driver, however, continues to accelerate despite the warning light, the speed limiter will start a continuous buzzer sound just about three seconds before the speed limit is exceeded. If the driver stops acceleration at this point and maintain the level of speed, the buzzer continues to sound. If however the driver decelerates, the buzzer sound will stop.

"But if the driver still neglects this buzzer sound warning, as soon as the speed limit is exceeded, this Speed Limiter will slow the vehicle down to a halt and prevent movement for a programmed period of time. After the programmed time of halt, the driver can resume normal operation of the vehicle pending subsequent violation."

The advantages inherent in the invention, said Professor Omoleye, is the cultivation of a safe driving habit on the

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## CU Student Wins Best Architecture Graduate Award

Postgraduate student of Covenant University, Ota, Ogun State, Anuoluwapo Temilola Oyenuga, has emerged recipient of the 2016 Female Architects of Nigeria (FAN) Best Student Award.

The award is given by the Female Architects of Nigeria to the overall best graduating female student at B.Sc. level in all the Schools of Architecture in Nigeria.

Miss Oyenuga, currently an M.Sc. I Architecture student at the School of Postgraduate Studies of Covenant University, had last session obtained her B.Sc. in Architecture with a Cumulative Gross Point Average (CGPA) of 4.80.

The Female Architects of Nigeria, in a letter addressed to the Head, Department of Architecture, Covenant University, informed the university about the development and also revealed the invitation of Oyenuga to FAN's Biennial General Meeting in Abuja, where she is expected to participate fully and receive the award.

The FAN award for Miss Oyenuga comes few months after another product of Covenant University, Abiola Samuel Oluwaseyi, emerged the Best Engineering Graduate of the Year in the 2016 COREN (Council for the Regulation of Engineering in Nigeria) Assembly competition featuring graduates of engineering programmes from all Nigerian universities.

Abiola, who graduated from the Civil Engineering Department of Covenant

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## CU, Florida Varsity to Break New Grounds in Collaboration

Apparently satisfied with the level of success in their existing collaboration on research into how to curtail the scourge of cancer, Covenant University, Ota, Nigeria, and the University of Florida Health Cancer Center, United States, have agreed in principle to explore new areas.

The desire to widen the scope was made known on Monday, October 17, 2016, when the Director of University of Florida Health Cancer Center, Professor Folakemi Odedina, led a team to pay a courtesy call on the Management of Covenant University.

Speaking at the meeting, where she and her team were received by the Vice-Chancellor, Professor AAA. Atayero, and other members of management, Professor Odedina expressed her appreciation to Covenant University for its outstanding support for cancer awareness over the years since it signed a Memorandum of Understanding (MoU) with the Florida University.

The collaboration, she said, required an excellent support to thrive, and "Covenant University has put us on the map. However, we look forward to expanding from cancer to other areas".

Professor Atayero, in his remarks, who said he was happy to see Professor Odedina again, described the current MoU between Covenant University and the University of Florida Health Cancer Center as very good and assured that both organisations would strive to move it forward, especially as CU

has a very strong Engineering Faculty.

"We'll take the MoU and Research to the next level, particularly with the new CUCRID (Covenant University Centre for Research, Innovation and Discovery) facility. We'll do everything possible to make sure your efforts are not in vain," said the Vice-Chancellor.

Professor Odedina and her team, which included a professor of Translation Genomics from the University of Southern California, Professor John Carpten; a Radiation Oncologist with the Lagos State University Teaching Hospital, Dr. Omolara Fatiregun; Dr. Kofi Gyan from the United States; and Dr. Titilola Akinremi, also from the United States, were primarily in Covenant University to organise the International Cancer Genomics and Informatics Workshop.

A Covenant University faculty, Professor Emeka Iweala, who was part of the team, said Professor Odedina and her



VC, Professor AAA. Atayero with the team from the University of Florida Health Cancer Center

entourage were in Nigeria to impact Covenant University and the Nigerian community on new ways of tackling cancer through lectures, seminars and meetings.

Other CU representatives at the event were the Registrar, Pastor Olamide Olusegun; Director, Financial Services, Pastor Bayo Oladehinbo; and Head of Department, Biological Sciences, Professor Adesola Ajayi; and Deputy Director, Research, CUCRID, Dr. Obinna Mwinyi. ■

## VC, DG Hopeful as CU, FIRO Sign MoU on Collaboration *Contd. from Pg 1*

engage in staffs and students' capacity building and exchange; engage in staffs and students' entrepreneurship development; and joint patenting and commercialisation of patented and non-patented breakthroughs.

The Vice-Chancellor, Covenant University, Professor AAA. Atayero and the FIRO Director-General, Dr. Gloria Elemo, then signed the Memorandum of Understanding, which was supervised by the Legal teams of both organisations.

Professor Atayero, in his remarks, described as a great pleasure and an honour being the substantive Vice-Chancellor when the MoU was signed.

Covenant University, he said, is a vision-driven university with the immediate goal of being one of the top 10 universities in the world by the year 2022.

The university, he promised, will give the MoU all the drive it needs to be successful as it has taken a proper route, making its realisation a matter of semantic. "It is another platform for driving the change that is in the air," he added.

The FIRO Chief Executive Officer was at the signing ceremony in company of five Divisional Directors and Deputy Directors, as well as staff of the institute's Extension and Linkages Directorate and the Public Relations Officer, Mr. Chris Olumuyiwa.

Other representatives of Covenant University at the event were the Registrar, Pastor Olamide Olusegun; Director, Financial Services, Pastor Bayo Oladehinbo; Dean, School of Postgraduate Studies, Professor Samuel Wara; Dean College of Engineering, Professor Christian Bolu; Director, Vice-Chancellor's Office, Dr. David Omole; and some Heads of Departments. ■

## CU Student Wins Best Architecture Graduate Award *Contd. from Pg 1*

University in June 2016 with a 4.90 CGPA, emerged overall tops by virtue of his result being superior to that of his peers from both the private and the public universities. ■

## CU Faculty Develop Vehicle Speed Limiters *Contd. from Pg 1*

driver who actively participates in controlling the speed of the vehicle; and within a short period of using the Speed Limiter, the driver would have developed a subconscious attitude of driving within safe speed limit even if the speed limiter is absent.

Professor Omoleye's invention was subsequently installed in a car and its effectiveness put to test on the roads within the Covenant University campus. Its operation, as analysed by Professor Omoleye, was validated by the testing crew comprised of the CU Road Safety Chairman, Professor Daniel Gberebie; Dean, College of Engineering, Professor Christian Bolu; and Deputy Director, Research, Covenant University Centre for Research, Innovation and Discovery

(CUCRID), Dr. Obinna Nwinyi.

Dr. Matthews, Head, Department of Electrical and Information Engineering, on his part, has invented a Speed Limiter with special devices which can automatically change the speed of a vehicle wherever it is. The speed limiter, which he said was invented three years ago, has a brain, link to GSM antennae and GPS receiver. "The moment the vehicle wants to move, you can send a speed limit from your phone," he explained.

According to him, the device is programmed to any limit and has a voice communication in three Nigerian languages, which notifies the driver he is approaching his speed limit about 10 kilometers beforehand. "There would be

installation of signposts to alert drivers of speed limit and if it is ignored, it sends a message to the FRSC (Federal Road Safety Corp), and the purpose is to fine you", Dr. Matthews added.

The Covenant University Vice-Chancellor, Professor AAA. Atayero, who was visibly impressed by the presentations, said the devices will help to stop carnage on Nigerian roads as what is required in traffic is free flow. With the speed limiters, he enthused, everybody becomes law abiding automatically because they cannot go beyond a particular speed limit. ■