

# MASSIFICATION AND QUALITY: ICT IN THE SERVICE OF EDUCATION

3rd International Conference and Workshop on  
Innovation, Technology and Education  
Conference Programme

Abuja 2019

FCT, College of Education, Zuba, Abuja. Nigeria



Association for Innovative Technology  
Integration in Education

# **3<sup>rd</sup> International Conference and Workshop on Innovation, Technology and Education Abuja 2019**

## **Background**

The International Conference and Workshop on Innovation, Technology and Education is an annual gathering of academics, technocrats and stakeholders in the field of education. The conference stand to facilitating interaction towards meaningful discussion in 21<sup>st</sup> century technology integration in Education cum special hands-on workshop on the use of technology to facilitating teaching and learning. Abuja 2019, is the third of its kind. The first edition was held in the University of Ilorin, Ilorin while the preceding edition was held at the University of Port Harcourt, Port Harcourt. The two prior conferences attracted academia from across Nigeria, and giving birth to 5 sets of publications, under the journal arm of the Association for Innovative Technology Integration in Education (AITIE), International Journal for Journal of Innovative Technology in Education (IJITIE), a pair-review journal outlet. This year, the conference will take place at the Federal College of Education, Zuba and it promises to be an even bigger event.

## **Theme and subthemes**

The theme for this year's conference is Massification and Quality: ICT in the service of Education. With the current goal to “Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all”, it is imperative to see how technology can be integrated and facilitate the achievement of the SGD 4. Deliberations will be tailored to the conference's theme, and the following subthemes:

1. **ICT and Teacher Education**
2. **Evaluation & Assessment using ICT**
3. **Distance Learning and ICT**

4. **MOOCs- Potentials and Opportunities in Nigerian Educational System**
5. **Learning Analytics**
6. **Big Data for Educational Institution Management**
7. **ICT for Lifelong Learning**
8. **ICT in Early Childhood and Primary Education**
9. **OERs and Massification**
10. **Open Source Applications for Mass Education**

## PRE-CONFERENCE WORKSHOPS

### TRACK 1

#### AUGMENTED REALITY USING OPEN SOURCE APPLICATION

**Description:**

Augmented reality (AR) is an interactive experience of a real-world environment (classroom) where the objects (teachers, students, modules, etc) that reside in the real-world are "augmented" by computer-generated perceptual information, sometimes across multiple sensory modalities, including visual, auditory, haptic, somatosensory, and olfactory. This section will expose the participants to how to augment available tools in disseminating knowledge with effective retention.

**Notes:**

Participants should bring their own laptops/tablets.

**Facilitator:**



**Dr A. K. Shittu (Fountain University, Osogbo)**

<https://www.linkedin.com/in/abdul-jaleel-kehinde-shittu-phd-12824737/>

### TRACK 2

#### MOBILE LEARNING APP DEVELOPMENT FOR MASS EDUCATION

**Description:**

Teaching and Learning in the 21st century is taking a new dimension as there is a great influx in mobile technological devices. Mobile devices avail the learner the opportunity to access instructional content anytime, anywhere. Despite the proliferation of these devices among students, there have been a great shortage of software (mobile learning app) built to suite the working curriculum of the school. This workshop will equip the participants on developing instructional content for mobile learning applications. It will also focus on the technique required to create mobile learning apps that will run on the major smart devices? operating system (Android, IOS, Windows) using third-party platforms.

**Notes:**

Participants should bring their own laptops/tablets.

**Facilitator:**



**Olawale Koledafe (University of Ilorin, Ilorin)**

<https://www.linkedin.com/in/olawale-koledafe-029707a5/>

## TRACK 3

## AMOS STATISTICS SOLUTION

**Description:**

AMOS is statistical software and it stands for analysis of a moment structures. AMOS is an added SPSS module, and is specially used for Structural Equation Modeling, path analysis, and confirmatory factor analysis. It is also known as analysis of covariance or causal modeling software. AMOS is a visual program for structural equation modeling (SEM). In AMOS, we can draw models graphically using simple drawing tools. AMOS quickly performs the computations for SEM and displays the results.

**Facilitator:**

**Dr A. T. Shittu** (Federal University Kashere, Gombe)

<https://www.linkedin.com/in/abdul-jaleel-kehinde-shittu-phd-12824737/>



## Parallel Sessions

### Stream: ICT and Teacher Education

Chair: Dr Bamidele Ogunlade

1. Examining Performance Expectancy and Effort Expectancy as determinants of Secondary School Teachers' Behavioural Intention to use Mobile Technologies for Instruction in Kaduna State, Nigeria  
Speaker(s) BURAIMOH Oluwaseun Funmilola
2. Investigation of Students' Attitude towards Web-Quest Instruction among Pre-Service Teachers in Colleges of Education Katsina, Katsina State  
Speaker(s) Zaharaddeen Bala, NAMADI
3. Uses and Challenges of Information and Communication Technology in Teacher Education of Public Senior Secondary Schools in Katsina Metropolis, Katsina State  
Speaker(s) YERO, Musa
4. Information and Communication Technology (ICT) in the 21st Century Education: The Role of Google Application for Education (GAPE)  
Speaker(s) YAHYA, Saheed Olalekan

### Stream: Evaluation & Assessment using ICT

Chair: Ibrahim Taye

1. Technical Drawing Computer Aided Drawing (CAD) Package for Secondary School in Nigeria: Design and Development Process  
Speaker(s) LABAKE, Kathryn, Ojebgile
2. Effects of Blended Learning on Pre-Service Teachers' Achievement in English Language, Katsina State  
Speaker(s) Shehu, Yero
3. When the Foundation is Destroyed, what can the Teacher do?  
Speaker(s) ADEROJU, Musiliu Adekola
4. Development And Evaluation Of Mobile Learning-App On Selected Basic Technology Concepts In Ilorin Metropolis  
Speaker(s) Falade, Ayotunde Atanda
5. Evaluation of mobile learning digital game for teaching numeracy to adult learners in Lagos State  
Speaker(s) Oladimeji Festus Olafare

## Stream: Distance Learning and ICT

Chair: Dr Hammed Olalekan Bolaji

1. Teachers' Perceived Utilization of Electronic Media for Academic Enhancement Among Pupils in Upper Primary Schools in Lagos, Nigeria  
Speaker(s) MAKINDE, Semiu
2. Effectiveness of Mobile-Based Augmented Reality Instructional Technology on Geography Students Performance in State of Osun, Nigeria  
Speaker(s) ADEDOKUN-SHITTU, Nafisat A
3. Postgraduate Students' Mode of Study and Their Utilization Of Mobile Technologies For Learning In South-West, Nigeria  
Speaker(s) ADEBAYO Olayinka Lydia
4. Effectiveness of Skype Instruction on Mathematics Students' Achievement and Retention In Colleges Of Education, In Niger State Nigeria  
Speaker(s) JIMOH, Muili. Adeyi
5. Colleges Of Education Lecturers' Attitude And Intention Towards Using Social Media In Instruction In South-West, Nigeria  
Speaker(s) GANIYU, Rasidat Sade

## Stream: MOOCs – Potential and Opportunities in Nigeria Educational System

Chair: Dr Eno Asuquo

1. Assessment of Science and Technology Education Lecturers' Participation in Massive Open Online Courses (MOOC) at Federal University of Technology, Minna, Nigeria  
Speaker(s) BALOGUN, Sherifat Adepeju
2. Big Data: Next Level Educational Planning for National Development in ICT  
Speaker(s) SHOTAYO E. Olusola
3. Information and Communication Technology Tools for Institutional Massification of Higher Education  
Speaker(s) OLUSANJO, Michael Oluwole

# Programme

Monday, August 5	
Registration	8:00 AM – 5:00 PM
“Good Morning” Beverage	9:30 AM – 10:00 AM
Welcome, Opening General Session & Lead Paper Presentation ( <b>Dr Victor Odumuyiwa</b> )	8:30 AM – 9:30 AM
Workshops Morning Sessions	10:00 AM – 1:00 PM
FREE Lunch Special Interest Group (SIG) Meetings: Registration Required	1:00 PM - 2:30 PM
Workshops Afternoon Sessions	2:30 PM – 5:00 PM
Stakeholders’ Meeting	5:00 PM – 6:00 PM
Tuesday, August 6	
Registration	8:00 AM – 5:00 PM
“Good Morning” Beverage	9:30 AM – 10:00 AM
General Session	8:30 AM – 9:30 AM
Workshops Morning Sessions	10:00 AM – 1:00 PM
FREE Lunch Special Interest Group (SIG) Meetings: Registration Required	1:00 PM - 2:30 PM
Workshops Afternoon Sessions	2:30 PM – 5:00 PM
Stakeholders’ Meeting	5:00 PM – 6:00 PM
Wednesday, August 7	
Registration	8:00 AM – 5:00 PM
“Good Morning” Beverage	9:30 AM – 10:00 AM
Formal Opening Ceremony & Keynote Paper Presentation:	10:00 AM – 12 PM
Concurrent Sessions - Posters, Panels & Roundtable I	12:00 AM – 2:30 PM
FREE Lunch Special Interest Group (SIG) Meetings: Registration Required	2:30 PM - 3:00 PM
Concurrent Sessions - Posters, Panels & Roundtable II	3:00 PM – 5:00 PM
Executive Council Session	5:00 PM – 6:00 PM
Thursday, August 8	
“Good Morning” Beverage	8:30 AM – 9:30 AM
3 <sup>rd</sup> Annual General Meeting <ul style="list-style-type: none"> <li>i. Financial Report</li> <li>ii. Communique</li> <li>iii. Election of Officers</li> </ul>	9:30 AM – 11:30 AM
Departure	11:30 AM



## Keynote Speakers



### **Prof Is-haq Olanrewaju Oloyede**

**Registrar, Joint Admission Matriculation Board (JAMB), Nigeria**

Professor Is-haq Olanrewaju Oloyede began his tertiary education in the University of Ilorin in 1978 where he studied Arabic and was awarded a B.A. Arabic (First Class Hons) in 1981. In July 1982 he was appointed an Assistant Lecturer in the Department of Religions of the University. In 1991, he had his Doctorate degree in Islamic Studies also from the University of Ilorin.

Prof. Oloyede earned several scholarships and prizes during his student days. He was elevated to professorial rank in 1995. He was appointed Deputy Vice - Chancellor (Academic) on June 19, 2003 and Deputy Vice -Chancellor (Administration) on July 6, 2005. Professor Is-haq Oloyede was the Vice-Chancellor, University of Ilorin, from October, 2007 and Chairman Committee of Vice-Chancellors (CVC) from 2011 to 2012. Prof. Oloyede served as the board of many reputable university organisations. He has authored and co-authored several articles in reputable local and international outlets.



### **Prof Ismail Junaid**

**Executive Secretary, NERDC, Nigeria**

Professor Ismail Junaidu was Born on 3rd June, 1953 in Katsina, Katsina State, Nigeria. He obtained his qualifications in Linguistics and Language: PhD University of Indiana, USA; Master's Degree University of York, England and Bachelor's Degree, ABU, Zaria-Nigeria.

He is a Professor of Linguistics as well as Educator, Educational Administrator, Curriculum Developer, and Educational Policy Facilitator and Designer. He is a member of many scholarly and professional organizations. These include: Member and Member of Council of the International Association of Educational Assessment (IAEA); Association for Educational Assessment in Africa (AEAA) as Member and Immediate Past Regional Chair West Africa; Member Nigerian Academy of Education (NAE)etc. Professor Ismail Junaidu supervised and examined many theses and dissertations. He has many publications to his credit, both domestic and international as journal articles and books he authored or co-authored on various aspects of education, linguistics, Curriculum development, development of textbooks and learning materials, pedagogy, language education, and educational policy matters among others.



### **Prof Rasheed Gbenga Jimoh**

**Dean, Faculty of Computer and Information Science,  
University of Ilorin, Nigeria**

Rasheed Gbenga JIMOH, Ph.D. is a Professor of Computer Science in the Department of Computer Science, University of Ilorin. He is a member of the Institute of Electrical and Electronics Engineering (MIEEE), Fellow, Institute for Classical Entrepreneurship (FICENT), Member, Nigeria Computer Society, Member, Computer Professionals Registration Council of Nigeria, Member, Information Technology Systems & Security Professionals (MITSSP), Member, Academia in Information Technology, . Dr. Jimoh is the current Dean of the Faculty of Communication and Information Sciences, University of Ilorin.



### **Dr. Victor Odumuyiwa**

**Director, Centre for Information Technology and System,  
University of Lagos, Nigeria**

Dr. Odumuyiwa Victor is a lecturer in Computer Science at the University of Lagos, Nigeria. He combines computer and information sciences approaches in his research activities centered on information retrieval and collaboration systems, competitive intelligence, sentiment analysis and Web intelligence. He holds a PhD in Information Science from Université Nancy 2, France. He obtained a master's degree in Computer Science from the University of Ibadan, Nigeria. He was an ETT fellow at the Massachusetts Institute of Technology, Boston, USA from September to December 2013. He was a recipient of the Lagos state research and development grant. He currently serves as Director of Centre for Information Technology and System, University of Lagos, Nigeria.

## Conference Management

	<p><b>Prof Mudasiru Olalere Yusuf</b> Department of Educational Technology, University of Ilorin National President, AITIE</p>		<p><b>Dr Mohamad Gambo Hamza</b> Provost, FCT College of Education, Zuba Abuja (Chief Host)</p>
	<p><b>Prof Ruben Tunde Tolorunleke</b> Dean Faculty of Education Kogi State University, First Vice-President, AITIE</p>		<p><b>Dr Eunice U. Orji</b> Dean, School of Education, FCT College of Education, Zuba- Abuja (Host)</p>
	<p><b>Dr Eno Ndarake Asuquo</b> Department of Curriculum and Teaching University of Calabar Second Vice-President, AITIE</p>		<p><b>Dr Hameed Olalekan Bolaji</b> Department of Science and Technology Education, Al-Hikmah University Ilorin National Secretary, AITIE</p>

## Members of the Local Organising Committee (LOC)

<p><b>Dr. Lateef O. Kareem</b> Federal Ministry of Education, Abuja LOC Conference and Workshop Chair, ICWITE 2019</p>	<p><b>Dr. Bamidele Ogunlade</b> Veritas University, Abuja LOC Conference and Workshop Secretary, ICWITE 2019</p>
<p><b>Dr. Ajileye Mosunmola Ajibola</b> FCT College of Education, Zuba LOC Conference and Workshop Member, ICWITE 2019</p>	<p><b>Dr. Florence Olutunu Daramola</b> University of Abuja, Abuja LOC Conference and Workshop Member, ICWITE 2019</p>

**Mrs Shola Shotayo**  
Federal Ministry of Education, Abuja  
LOC Conference and Workshop Member, ICWITE 2019