



# -VOICE

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## CRYPTOCURRENCY CAN CORRECT FINANCIAL IRREGULARITIES

The ban of cryptocurrency transactions from Nigeria's banking and payment system has continued to raise concerns from technology experts.

Participants at a webinar conference organised by the Nigeria Computer Society (NCS) recently called on the Central Bank of Nigeria (CBN) to reconsider its stance and put in place, appropriate measures that will address the financial risk associated with cryptocurrency.



The CEO/Founder, Bitfxt and Boundlesspay, Mr. Franklin Peters, said cryptocurrency was designed in the first place to correct financial irregularities in any financial system.

Giving instances of the weak value of the naira, when compared with dollar, Peters said weak currency would always have negative impact on economy and the liquidity of individuals, adding that cryptocurrency can correct such financial irregularities that could lead to inflation and recession.

Speaking on the advantages of cryptocurrency, Peters said apart from having the ability to correct financial irregularities, it also increases profitability. He said since cryptocurrency is built to operate in a peer-to-peer manner, it eliminates middlemen

from every financial transactions, by sending digital money from one wallet to another, thereby saving time and money in terms of transaction fees.

"It also opens vista of business opportunities for people who trade in cryptocurrency because they have the opportunity to meet foreign investors and they can make purchases of all kinds without the involvement of a third party," Peters said.

Also, the Executive Director, Centre for Cyberspace Studies, Dr. Uche Mbanaso, while speaking on security issues around cryptocurrency, said it was the fear of the lack of central control of the country's central security architecture that forced CBN to pronounce outright ban on cryptocurrency.

According to him, "Nigeria is yet to harmonise its security architecture. So instead of outright ban of cryptocurrency, Nigeria should harmonise its critical infrastructure architecture in such a way that fraudulent financial transactions could easily be traced and addressed." He called for stricter measures on in the part of government and all individuals involved in cryptocurrency business, in order to, address its risks and challenges.

Chief Technical Officer, Digital Encode Limited, Dr. Oluseyi Akindeinde, said one of the major fears of CBN, was that cryptocurrency has no central operation and control, unlike physical cash that has central control from the CBN in terms of regulation.

He, however, said what the CBN needed to do was to create better regulation and control on crypto-trading, instead of outright ban, since the blockchain technology in which cryptocurrency runs, is fully secured with encrypted features. He advised CBN to focus more on the regulation of the virtual wallets, the exchanges and the users and not to regulate the cryptocurrency technology.

Blockchain Solution Architect for Sterling Bank, Mr. Charles Okaformbah, said crypto Adoption was growing fast in Nigeria, until the recent ban and that several persons have invested in crypto exchanges to offer cryptocurrency services to people.

He, however, advised Nigerians to consider the liquidity and transaction fees of cryptocurrency exchanges before patronage.

President of NCS, Prof. Adesina Sodiya, in his opening remarks, said: "Cryptocurrency, which has been in existence for over a decade ago now, is a unique development in the digital space that is based on blockchain technology.

"Cryptocurrency is now a big market all over the world. For example, when bitcoin was less than 1 dollar to a coin, many of us were not ready or unwilling to take the risk. Now the value of a bitcoin has risen \$60,000 and investors have also forecasted that the value will still continue to increase."

# NCS DIGITAL LIBRARY GOES LIVE

**T**he Nigeria Computer Society (NCS) under the leadership of Professor Adesina Sodiya FNCS has launched NCS DIGITAL LIBRARY as part of the administration determination to improve the membership benefits. The library was developed so as to enhance the research capacities of members of our dear society. The digital library has been one of the yearnings of members for several years now. This has now been delivered by Prof. Sodiya-led administration within few months in office.

The Digital Library ([www.library.ncs.org.ng](http://www.library.ncs.org.ng)) was launched for publication of academic articles

published in the NCS Conferences Proceedings; The Journal of Computer Science and IT Applications; and The Journal of Information Security, Privacy and Digital Forensics. Members and authors of the articles accepted and published in any of the NCS Academic Journals can now find and download the articles online on the NCS Digital Library ([www.library.ncs.org.ng](http://www.library.ncs.org.ng)).

Kudos to the current National Executive Council of Nigeria Computer Society.

**Taiwo Oyesanwo**

*For: Publicity Committee*



[www.ncs.org.ng](http://www.ncs.org.ng)

**ISDE** 2021

INTERNATIONAL CONFERENCE ON  
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3RD - 5TH AUG., 2021.



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# NCS CONGRATULATES PANTAMI ON WATRA

**N**igeria Computer Society (NCS) has congratulated the Minister of Communications and Digital Economy, Dr. Isa Ibrahim Pantami on the emergence of Nigeria to occupy the position of the Chairman and Chief Executive Secretary of the West Africa Telecommunications Regulators Assembly.

In a letter to the minister and signed by NCS President, Prof. Adesina Sodiya, NCC commended Pantami for the many achievements recorded by the telecoms sector, in his tenure

Part of the letter read: “On behalf of NCS President, Professor Adesina Sodiya, the National Executive Council and the entire membership of Nigeria Computer Society, we are felicitating with our hardworking and committed Minister of Communications, Dr. Isa Ali Ibrahim Pantami, on Nigeria emerging the Chairman of West Africa Telecommunications Regulators Assembly(WATRA) and won the position of its Executive Secretary. This is a laudable achievement for Nigeria and worthy of commendation. It calls for



celebration from all IT stakeholders.”

Aliyu Aboki, a staff of the Nigerian Communications Commission (NCC), emerged the winner of a keenly contested election between six countries.

Aboki’s nomination and endorsement by Pantami was strictly based on merit, considering his proven expertise and skills in the sector.

During the formal presentation, Pantami charged Aboki to be fair in his dealings and committed to the assignment and to work hard at being the best Executive Secretary to have occupied the office.

# PANTAMI: DIGITISING AGRICULTURE WILL CREATE BUSINESS OPPORTUNITIES

The Minister of Communications and Digital Economy, Dr. Isa Ibrahim Pantami has stressed the need for Nigeria to digitalise its agricultural sector in order to foster innovation and create new business opportunities.

Pantami who made the call at a recent webinar on smart agriculture, organised by the Nigeria Computer Society (NCS), said some countries like USA, Netherlands, Germany, Israel and Brazil, were already feeding the world because they have digitalised their agricultural sector.

Citing Netherlands, which has a land area of 41,865 square kilometers and rated as the world's second-largest exporter of food and agricultural produce, Pantami who was represented at the virtual conference by his Special Assistant, Dr. Femi Adeluyi, said seven states in Nigeria, like Niger, Borno, Taraba, Kaduna, Bauchi, Yobe and Zamfara, have land masses either greater than or comparable to that of the Netherlands.

He added that if Nigeria should embrace smart agriculture and digitalise her agricultural sector, the country could become exporter of agricultural products, outside of oil.



According to Pantami, "To adequately utilise digital technology as a platform for stimulating growth in all sectors of the economy through the development of a digital economy for the country, the Nigerian government through the Federal Ministry of Communications and Digital Economy, developed the National Digital Economy Policy and Strategy (NDEPS) anchored on eight pillars."

He said the target was to adopt farmers in all 36 States and 774 LGAs in the country, support and equip them with skills and resources that will make Nigeria one of the leading nations in food sufficiency, security and exportation.

He, however, said it was important for the private sector, academia, development partners and state governments to partner with federal government in the areas of capacity building, smart solutions

and services, research and development, finance, among others, in order to develop smart agriculture.

The Minister of Agriculture and Rural Development Alhaji Sabo Nanono, who was the special guest, but represented by Mr. Bejide Stephen, from the Federal Minister of Agriculture, said smart agriculture would require heavy initial investments, recurring maintenance cost, strong internet connectivity, as well as high cost of technology devices such as precision sensors, drones, gateways, bots, among others.

President of NCS, Prof. Adesina Sodiya, called on the federal government to provide necessary supports to small and medium scale farmers for efficient transformation to smart farming in Nigeria.

“Smart agriculture has been considered as an innovative technological-based solution for promoting large scale and economical agricultural production.

“It adopts precision agriculture techniques and technologies that aim at improving the efficiency of agriculture to maximise food production, minimise environmental impact and reduce cost,” Sodiya said.

The Director-General, Nigeria Communications Satellite Limited (NIGCOMSAT), Dr. Abimbola Alale, assured Nigerians, that with the satellite, all the smart agriculture technologies could be

implemented even in the rural areas. “NIGCOMSAT and its channel partners can provide broadband connectivity through VSATs and TV White Spaces (TVWS) for individual farmers or farmers cooperatives in rural areas,” Alale said.

Participants at the conference, recommended that relevant stakeholders within the smart agriculture industry should adopt IoT based technologies like Sigfox, Agrikoin, among others and collaborate with the indigenous Nigerian Companies championing them. They further called on organisations like Microsoft and others with products in the IoT, Smart Agriculture and Data Analytics domain, for flexible price regime that are region specific to support countries like Nigeria with several smaller holder farmers.

They advised government to set up a model smart farms in all the six geopolitical regions of the country, and called on the National Information Technology Development Agency (NITDA), to consider it as part of its innovation programme for this year and work with universities and agricultural research institutes to achieve it.

# NIGERIAN FIRM, NEWWAVES, LAUNCHES AFRICA'S FIRST VIRTUAL MEETING SOLUTION, KONN3CT

**A** Nigerian information technology company, Newwaves Ecosystems, has developed konn3ct, an online meetings Application that is about to etch the name of the country in the world's fastest-growing IT niche projected to be worth more than N30 trillion (\$75 billion) by 2030. It is also the first of such a development by any African information technology outfit.

The App, known as Konn3ct, is set for formal launch on Tuesday, April 7, at an event in Abuja, to be headlined by the Director-General, Nigeria Information Technology Development Agency (NITDA), Inuwa Kashifu Abdullahi, and comes with several unique features that differentiate it from many of the existing solutions in the market, and which could possibly help it cut a sizeable share of the market, currently dominated by China's Zoom Video Communications.

Interestingly, it was the NITDA Director-General that, in December 2020, had predicted that Nigerian IT start-ups were capable of generating \$30 billion by 2030, a target that is looking increasingly possible with the strides of companies like Newwaves Ecosystems.

Findings indicate that Konn3ct may likely provide for the largest virtual conferencing room in the world today, with capacity for a peak of 250 participants in a meeting and an unlimited number via live stream. The app boasts of top-quality audio and video



interface for smooth conferencing experience as well as a recording option that makes for documentation and sharing of meeting proceedings.

To make the App suitable for large conferences, the creators built in a feature that creates room for break-out sessions, the same way that is applicable in brick-and-mortar meetings of such size. By this, users are allowed as many as eight break-out meetings within the larger meeting. Another feature allows for private chats and group chats during the meeting, enabling the harmonisation of positions of interest groups even while the meeting is going on.

Konn3ct also comes with two security features; one is the Secure Socket Layer Encryption (SSL Encryption) a process undergone by data under the SSL protocol in order to protect that data during transfer and transmission by creating a

uniquely encrypted channel that gives the user a private communication link channel over the public Internet; the other is the Transport Layer Security, which primarily provides privacy and data integrity between two or more communicating computer applications.

The App also solves the problems of sponsorship of virtual events by providing a feature for the branding of meeting rooms.

On why the company went into the development of the new solution, given the popularity of Zoom and others, Chief Executive Officer of Newwaves Ecosystems, Femi Williams, said the idea was to enhance web conferencing experiences by adding features that facilitate interaction and which creates an exciting virtual workplace.

Mr Williams, who worked with Chams Nigeria for many years before founding Newwaves about a year and half ago, said Konn3ct was not initially conceptualized for internal purposes and not as a commercial App.

"We actually created this solution as an in-house virtual office when the Covid-19 pandemic forced everyone into a lockdown about a year ago. Because we couldn't shut down, even in the lockdown, we thought of a solution that could enable free and seamless communication and workflow in our company. But the growth of the virtual office and web conferencing market drew us to the commercial opportunities, especially since what we had, even at the

inhouse level, could beat most of the commercially available apps in this space," he explained.

He sounded upbeat about the opportunities the App has in a market dominated by Chinese and western tech companies, arguing that what the world wants is superior experience and not the country or origin of given solutions.

"In the world today, technology appears to be the only thing that does not recognize territorial and racial limitations. Technology is the same everywhere and there is nothing such as Nigerian or African technology. Today, the market leader was not the first to develop similar apps and will certainly not be the last. Konn3ct will carve its own niche, not because it is a Nigerian or African contribution to the technology pool, but because it is a best-in-class solution to the real needs of people," he said

Although North America dominated the web conferencing market between 2014-2019, owing to the early adoption of novel technologies and comparatively larger IT spending in the region, Africa is expected to register a high Compound annual growth rate (CAGR) in 2020-2025, because of the surging sales of smartphones, rising penetration of internet, and strong economic development in major countries in the region.



# NACOS APPOINTS JEGA, SODIYA, SEVEN OTHERS INTO NATIONAL ADVISORY BOARD

**N**ACOS, which is the umbrella body for students studying Computer Science, Computer Engineering, Information Systems, Cyber Security and all IT related courses in Nigeria's tertiary institutions has appointed the President of Nigeria Computer Society, Prof. Adesina Sodiya, as a member of the Board alongside Mr. Mohammed Ibrahim Jega who is a Nigerian entrepreneur and technology startup founder, Prof. Olumide Longe FASI a professor of Computer Science and Information Security and several others.

Speaking on the appointments, NACOS National President, Comrade Olamilekan Toyeeb Abolade, said the Members of the advisory Board were carefully selected in their respect to your immense contributions to the development of information technology development in Nigeria as they have all distinguished themselves.

The Association which can boast of its presence in almost all tertiary institutions in Nigeria, including privately owned, with a membership strength of about three hundred and fifty thousand (350,000) members in over two hundred and fifty (250) local chapters in various tertiary institutions across the six (6) geo-political zones of the federation.

The purpose of the advisory board is to oversee, advice and objectively assess the performance of the Association executives, while also assisting the National Executive Council and entire members in various ways to achieve the set aims and objectives of the association.

Mr. Jega who has been secret mentor to several computing and non-computing students in

Nigeria was appointed following his commitment and dedication in supporting members of the association.

He has been supporting the association in several ways in the past by providing an atmosphere where our members of the Association can outlive in the various endeavors.

It is believed that Jega's appointment alongside others into the advisory board will bring more development and impact to NACOS.

The list of the Board Members Includes:

- Prof. Adesina Sodiya FNCS – Chairman (President, Nigeria Computer Society)
- Prof. Olumide Longe FASI – Member (Interim Dean, American University of Nigeria, Yola)
- Mr. Mohammed Ibrahim Jega – Member (Founder, Startup Arewa)
- Dr. Nasir Daniya – Member (DG, ICT Directorate Sokoto State)
- Mr. Tim Akano – Member (CEO/MD New Horizon Nigeria)
- Dr. Yele Okeremi FNCS – Member (CEO Precise Financial Systems)
- Prof. Ebenezer Obey-Fabiyi – Member (Legend Musician)
- Dr. Ikechukwu Innocent Umeh – Member (Senior Lecturer, Nnamdi Azikwe University Awka)
- Citp. Adekunle Durosinmi – Secretary (Registrar, Dots ICT Institute of Technology Abeokuta)

# NCS KADUNA STATE CHAPTER EXCO COURTESY CALL TO THE HON. COMMISSIONER FOR BUSINESS INNOVATION AND TECHNOLOGY, KADUNA STATE

The EXCO together with some elders and members were received by the Permanent Secretary in person of Dr. Halliru Musa Soba, together with some management staff (DrbDikko David Director ICT, Dr Bulus N. Director Innovation , Dr Haliru Director Business leading other management Staff.) as the Hon. Commissioner was unavoidably absent at the ministry's conference Hall.

After self introduction by all those present, the NCS chairperson gave the opening remark extolling the commitment of the governor as a power ICT user which is evident in his interest and leverage on the use of ICT in running his administration.

She notified our decision to honour him with the award for Digital governor of the year during our last Dinner and Award night, which he couldn't attend. Thereafter she presented the award for conveyance to his Excellency.

The Chairperson highlighted the various programs and activities being carried out by the society including inter-tertiary academic exhibitions, inter secondary school ICT quize, advocacy visits, training of students on digital literacy etc.

The Permanent secretary expressed his delight in receiving the award on behalf of the governor, pointing out to the strides taken by the administration in the area of ICT including ICT policy to achieve digital transformation, Basic digital literacy for all Civil Servants which is currently at 50-60%, automation of Business Premises registration.



He noted that Kaduna State emerged best at recently exhibition National Council for Digital Economics

While hitting a Microsoft subscription of up to N1 billion.

Subsequently, the Chairperson extened the hands of collaboration to the state government and the permanent secretary promised to convey the message forward with a view to exploiting various ways the state government could work together with the NCS.

Group photographs were taken at the end of the visit.

## ADVOCACY COURTESY VISIT TO DG NARICT BY EXCO SOME SELECTED MEMBERS OF THE KADUNA STATE CHAPTER OF NIGERIA COMPUTER SOCIETY, ON THE 12TH MARCH 2021

The team took off from Kaduna and were joined later in Zaria by a team of members. On arrival we were well received by the DG, his management staff and other staff of the agency.

After a general introduction and briefing which took place at the conference hall, the DG took the team round some facilities and ongoing projects which include the e-gannary library which has been computerized to meet up with the demands of a research institute. The system which is currently offline has over 3,000,000 resources with the potential to scale up the database once the Optimized fiber optics network is in place.

The research Institute has Deployed ICT In the following area in

- Data Management.
- Building of an e-governance structure,
- In the fabrication and modelling of The Parolysis technology, which is one of the innovations targetted towards creating a home based solution for circular economy and digital economy.
- Hardware and Software is involved.
- They got an intervention of IT projects from NCC with the donation of 110 Computers to the institute.

The Chapter also presented an award of excellent service delivery to the DG.

The DG elated by the honour, made a commitment to pay for the registration for ICT professionals in the institute that are yet to

register and pay for this year's conference for registered members.





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- Local content development
- And many more

To register, visit [www.ncs-portal.org.ng](http://www.ncs-portal.org.ng)  
For further information, visit [www.ncs.org.ng](http://www.ncs.org.ng)

**Come, Let us promote IT together in Nigeria.**

NCS National Secretariat

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# STAY SAFE: PROTECT YOURSELF AND THOSE AROUND YOU

## THE COVID-19: WE WANT YOU TO STAY ALIVE

Dear professional colleagues, Nigeria Computer Society (NCS) as a Professional body in Nigeria are not oblivious of the pandemic ravaging the world called 'COVID-19.

We care for our members. Therefore, we wish to inform our precious and distinguished members of the need to pay utter attention to basic preventive measures against COVID-19.

Stay aware of the latest information on the COVID-19 outbreak, available on the WHO website and through your national and local public health authority. Most people who become infected experience mild illness and recover, but it can be more severe for others.

Take care of your health and protect others by:

- a. Constantly getting basic preventive measures and current updates from WHO (<https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public>). Kindly always follow the guidelines as outlined
- b. Paying attention to national and international information on COVID-19
- c. Being an health ambassador by helping to sensitise the public on preventive measures against the virus
- d. Ensuring you always take advice from healthcare professionals
- e. Taking general measures to improve your health conditions

Nigeria Computer Society (NCS) wants our members to always be strong and healthy. Together we shall continue to build strong and virile IT Profession.

Stay Alive!!!

**Executive Secretary**  
NIGERIA COMPUTER SOCIETY (NCS)  
[www.ncs.org.ng](http://www.ncs.org.ng)

<p><b>STAY AT HOME IF YOU ARE UNWELL</b></p>	
<p><b>WASH YOUR HANDS REGULARLY</b></p>	
<p><b>COVER COUGHS AND SNEEZES WITH FACE MASK OR DISPOSABLE PAPER TISSUES</b></p>	
<p><b>STAY 1.5 METRES AWAY FROM PEOPLE WHO ARE COUGHING OR SNEEZING</b></p>	
<p><b>AVOID TOUCHING YOUR FACE, NOSE AND MOUTH WITH UNCLEAR HANDS</b></p>	

**Husband:** You are upset  
from the last few days.  
What happened 🙄



**Wife:** There is a folder on  
your laptop with the name  
"My Documents". You could have  
named it "**Our Documents**"  
You don't care for me anymore  
I hate you 🙄

# UPDATE FROM MINISTRY OF COMMUNICATION AND DIGITAL ECONOMY

## PANTAMI TASKS STAKEHOLDERS ON ATTAINMENT OF NATIONWIDE FIBRE DEPLOYMENT

The Minister of Communications and Digital Economy, Dr Isa Pantami, has called for deliberate efforts by stakeholders toward achieving the target of nationwide deployment of fibre coverage.

Pantami made the call on Thursday in a paper he presented at the Virtual Structural Engagement with Stakeholders in Nigerian Telecoms and ICT Sector on the New Broadband Plan 2020 to 2025.

The virtual meeting was organised by the Association of Telecommunications Companies of Nigeria (ATCON), with the theme "Realising the New Set Target of 70 per cent of Broadband Penetration."

The minister's paper was entitled: "Enhancing the Contributions of the Stakeholders Toward the Nigerian National Broadband Plan Through Enabling Policies."

He said the plan targets was the deployment of nationwide fibre coverage to reach all state capitals, and provision of a point of presence in at least 90 per cent of Local Government Headquarters.

"It also targets tertiary educational



institutions, major hospitals in each state and fibre connectivity at statutory rates of N145 per metre for Right of Way (RoW).

"The journey is encouraging and significant progress has been made in realising some of the targets set in the new Broadband Plan, while most of the challenges are being addressed.

"This stakeholders' engagement is a good step in the right direction toward achieving this as we strive to position our country to enjoy the benefits that ubiquitous nationwide broadband will provide," Pantami said.

The minister said that to achieve the targets, the plan focussed on recommendations in four focus areas namely: Infrastructure, Policy, Demand



## Drivers and Funding/Incentives.

According to him, the focus areas are further broken down into 55 initiatives toward the actualisation of the targets (Infrastructure – 14; Policy – 23; Demand Drivers- 12; Funding and Initiatives- six.

“Infrastructure is focussed on building integrated infrastructure that is sustainable and resilient to close the gaps in addressing the broadband needs of the country and is geared toward extending broadband services to undeserved and underserved areas in Nigeria.

“ The policy pillar addresses issues relating to the efficient use of spectrum, Right of Way, site acquisition policies, availability of infrastructure and market efficiency.

“The demand driver addresses barriers to the low usage rate and adoption of broadband services in the country,” the minister said.

He also identified progress of drafting of the broadband penetration increase from 33 per cent in 2019 to 45.07 per cent in November 2020.

In his remarks, the ATCON President, Mr Ikechukwu Nnamani, said the aim of the virtual meeting was to ascertain the status of the implementation of the NNBP 2020-2025.

“It also aims at identify potential

bottlenecks that may negatively impact on the smooth implementation of the plan and proffer necessary solutions to mitigate against them,” Nnamani said.

He also said that it was to leverage on the wide spectrum of ATCON sub-groups for effective participation in the new Nigerian National Broadband Plan (NNBP) 2020-2025.

The ATCON president said this would be done by giving them the opportunity to access the plan and suggest various ways to speed up the realisation of the established target by the government.

Nnamani , however, commended the minister’s’ efforts toward resolving the key challenges facing the industry, and advocated speedy implementation of the national broadband plan.

“The fruits of his efforts can be seen in terms of broadband penetration and various policies that have been initiated, ratified, and issued to further encourage the growth of the industry,” he said.

The association president appealed to ATCON members not to rest on their oars to ensure the realisation of 70 per cent broadband penetration target.



# PANTAMI

## HACKATHON FOR DIGITAL ECONOMY

Organised by  
Nigeria Computer Society

**WATCH OUT!**



**PARTNERS**



CENTRAL BANK OF NIGERIA



# 2<sup>ND</sup> STAKEHOLDERS' FORUM ON CYBERSECURITY

**THEME:**

## ADDRESSING NIGERIA CYBERSECURITY CHALLENGES

**Venue:** Sheraton Hotel, Abuja

**Date:** January 7, 2021 | Time: 9.00am - 5.00pm

**Registration:** Free

(Visit [www.ncs.org.ng](http://www.ncs.org.ng) to Register)

**POSTPONED!**  
A New Date will be Announced Soon

Current local and international reports indicate that cyber attacks in Nigeria is still on the increase despite the fact that many of the incidences in Nigeria are not reported. Today, individuals, governments and corporate organisations are losing huge sum of money and properties as a result of cyber attacks. Threat landscape continue to change rapidly, and attacks are increasing in magnitude and sophistication. It is also believed that this trend will continue in the nearest future.

The potentials and trends of cyber attacks have also taken another dimension since the current pandemic (Covid-19) has forced many individuals, governments and corporate organizations to move most of their operations and activities online. We have also seen recently many reported attacks on public facing systems in Nigeria. Consequently, concerted effort is needed to enhance Cyber Security in Nigeria.

Nigeria Computer Society (NCS), the umbrella body for all IT practitioners and interest groups, has a core mandate of supporting government towards the realisation of a safe and secured deployment and use of IT resources. NCS intends to make this Stakeholders' Meeting a pungent platform for analysing the situation critically and provide reliable solutions to Nation's Cyber Security challenges. Experts from various aspects of the economy will be invited to lead discussions at the meeting. NCS remains committed to IT Development in Nigeria and has scheduled many programmes geared towards addressing the factors mitigating efficient use of IT for leapfrogging development.

**Talking Points:**

- Financial Frauds | Cyber Attacks | Social Media Hacking | Cybersecurity Education
- Formulating National Cybersecurity Strategies | Cybersecurity Regulations and Ethics
- Youths and Social Media | Fake News and Hate Speech

**For whom?**

- Financial Institutions | Regulatory Agencies | Governments | Corporate Organisations
- Telecommunication Institutions | Information Technology Professionals | Security Experts | Law Enforcement Agencies

**"Come, let us discuss Nation's Cyber Security Challenges"**

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WED. 7TH -  
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APRIL, 2021

# 2021

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**COMPUTER  
PROFESSIONALS**  
(REGISTRATION COUNCIL OF NIGERIA)  
[Established by Act No. 49 of 1993]



## CYBERCRIME DETECTION AND FORENSIC INVESTIGATION WORKSHOP

Date: 8th - 10th June 2021 || Venue: National Open University, Abuja.

### TOPICS

- Understanding cybersecurity and cyber crimes
- Mobile Application security
- Building strong authentication systems
- Network security
- Social media ming
- Fraud prevention and detection
- Mitigating strategies for social engineering attacks
- Detection of DDoS and other coordinated attacks
- Cyber policing
- Cyber threats intelligence
- Application of artificial intelligence in cybercrime detection
- Investigating and prosecuting cybercrimes
- Modern techniques for forensic computing
- Enforcement strategies for cybercrime laws and policies

### EXPECTED PARTICIPANTS

Administrators, Chief Executives, Technology Officers, Academia, Information Technology Professionals, Security Experts and Students

FROM:

- Government Institutions
- Financial Institutions
- Regulatory Agencies
- Corporate Organisations
- Telecommunication Institutions
- Law Enforcement Agencies



### ABOUT THE WORKSHOP

This workshop is aimed at providing technical skills in the areas of cybercrime detection and digital forensic. It will provide an in-depth practical knowledge in the prevention, detection and investigation of cybercrimes.

Various national and international reports have also revealed that there are still few cybersecurity experts in Nigeria. The workshop is intended to provide the needed capacity for information technology advancement of the nation and further develop cybersecurity professionals of international standard.



### BRIEF ABOUT NCS

Nigeria Computer Society, the umbrella body for all Information Technology professionals, has a core mandate of developing skills and expertise across all areas of Information Technology.

The Society will continue to support and promote the use of modern IT-based strategies and technologies for sustainable development of the nation.

### REGISTRATION FEES:

MEMBER – N50,000 (Early Bird, 30th April, 2021) and N60,000 (Late Bird, After April 30th, 2021)

NON-MEMBER – 60,000 (Early Bird, 30th April, 2021) and 70,000 (Late Bird, After April 30th, 2021)

FOR REGISTRATION & ENQUIRIES: Website: [www.ncs.org.ng](http://www.ncs.org.ng); E-mail: [ncs@ncs.org.ng](mailto:ncs@ncs.org.ng); Tel: 08097744600

NCS National Secretariat

ADDRESS: Plot 10 Otunba Jobi Fele Way, Alausa, Ikeja, Lagos State



For More Enquiries:

Visit: [www.ncs.org.ng](http://www.ncs.org.ng) or Email: [ncs@ncs.org.ng](mailto:ncs@ncs.org.ng) or Call 08097744600, 09038353783



www.ncs.org.ng



# INTERNATIONAL CONFERENCE ON INNOVATIVE SYSTEMS FOR DIGITAL ECONOMY

**A** 3RD - 5TH AUG., 2021. **UYO, AKWA IBOM STATE.**

## CALL FOR PAPERS AND PARTICIPATION

### PREAMBLE

The past decade has witnessed a major disruption in the way businesses are conducted globally. The digital economy is deeply changing the actions of both governments, businesses, and the citizen. Transforming a nation digitally is a daunting task that requires paradigm shift from the status quo. It is a journey that requires the right team with new mindsets and skills. At the core of digital economy is innovation. It drives growth and stabilizes the economy through a well-coordinated relationship between the interconnected businesses, consumers and machines, powerful computing technology, intelligent devices, and cyber intelligence. The international conference on **Innovative systems for Digital Economy** will provide opportunity for governments, businesses, Academia, the technical community and civil society to consider broad social, economic, and technical trends affecting the development of the digital economy and discuss policies that could respond to evolving societal demands.

### SCOPE AND TOPICS

Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, surveying works and industrial experiences that describe significant strategy in developing next generation digital economy relating to the theme and sub themes.

### SUB-THEMES

- Technopreneurship: Powering Creativity
- Regulation and Digital Consumer privacy
- Inclusive vs. Disruptive Innovation
- IoT and Robotics on customer Behavior
- Globalization and its effect on a digital economy
- Digital Economy: Governance, Policy and Regulatory framework
- Cyber Intelligence for National Security
- Broadband: Citizen and Digital Access Rights
- Digital Technologies in Agriculture
- Redefining Healthcare in Digital Economy
- Education: Beyond the Wall
- Agenda for Digital Gender
- Energy efficiency (end user energy demand)
- Behavioral research (Human response to digital integration)
- Cloud and Edge computing
- Data, information, and knowledge (New frontiers for Data production, capture, and processing)
- Design and Human Computer Interaction (How modern designs are impacting usage of new technology)
- Pervasive / ubiquitous computing and social acceptance
- Social computing/interactions (Understanding social processes towards digital technologies)
- Security, privacy, and trust

### REGISTRATION FEES:

<b>Early Bird January 01 – April 15, 2020</b>	<b>Late Bird April 16 – July 30, 2020</b>	<b>Registration at Venue</b>
Member fee is N50,000:00	Member fee is N55,000:00	Member fee is N60,000:00
Non-Member is N60,000:00	Non-Member is N65,000:00	Non-Member is N70,000:00
Student/NYSC: N15,000:00	Student/NYSC: N20,000:00	Student/NYSC: N25,000:00

For Registration and Paper submission, visit [conference.ncs.org.ng](http://conference.ncs.org.ng)

### IMPORTANT DATES

<b>Full Paper Submission Deadline:</b>	<b>Feb. 21, 2021</b>
<b>Notification of Acceptance:</b>	<b>April 15, 2021</b>
<b>Final Manuscript &amp; Registration:</b>	<b>May 30, 2021</b>

### FOR ENQUIRY, CONTACT ANY OF THE FOLLOWING

**The National Secretariat:** Plot 10, Otunba Jobi Fele Way, Behind MKO Abiola Gardens, Alausa, Ikeja - Lagos  
**Tel:** +234(0)8097744600, 09038353783 | **E-mail:** [conferences@ncs.org.ng](mailto:conferences@ncs.org.ng)  
**Chairman Conferences Committee:** Ayodeji Rex Abitogun on 08057323870  
**Taiwo** on +234(0)8098647348

**Abuja Office:** Plot 1321, Aderemi Adesoji Street, Cadastral Zone B1, by Hot FM, Gudu District, Abuja  
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**FOR SUBMISSIONS OF ARTICLE  
OR EVENT**

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