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Artificial Intelligence Summit

www.aisummit.ncs.org.ng
2022



Venue
Aliyu Akwe-Doma Banquet Hall,
Lafia, Nasarawa State, Nigeria
Date: 23rd - 26th March
Time: 8:00am

SPONSOR





CYBERSECURITY FORUM AND WORKSHOP 2.0

June 8th-10th, 2022 National Open University, Abuja 9am-5pm Daily

Talking Points:

- ✓ Financial Frauds
- ✓ Cyber Attacks
- ✓ Social Media Hacking
- ✓ Cybersecurity Education
- ✓ Formulating Nation's Cybersecurity Strategies
- ✓ Cybersecurity Regulations

Participation Fees

Forum (Day 1): Free
Workshop (Day 2 & 3): Member N50,000
Non Member: N60,000.

For Whom:

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

For Participation, Visit www.ncs.org.ng/cybersecurity

For Further Enquiries, Contact:

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Sunday on +234(0)7033020271 sunday@ncs.org.ng



International Conference on Smart, Secure and Sustainable Nation (S3N 2022)

Call for Papers

2nd-4th August 2022 June 12 Cultural Centre, Abeokuta, Ogun State, Nigeria

Preamble

The emergence of connected cities and data-driven nations is making planning and decision-making easier at the global level. Different studies have ranked Africa low in adopting technology to build a safe, secure, and sustainable economy. At the heart of the technology driving innovation is data and citizens engagement. In transforming our nation to meet future demand, we must use technology to create a more sustainable and liveable present and secure future for our citizens. We must change our approach and challenge the status quo. Our quest for innovation leveraging research and development must increase. We must develop effective strategies to achieve a Smart, Secure, and Sustainable Nation.

The government, the citizens, and the business environment must invest in relevant technologies to compete in the global space. This approach requires the right team with new mindsets and skills. The 2022 international conference on "Smart, Secure, and Sustainable Nation (S3N'22)" will bring together policymakers within the government, business leaders, members of academia, professionals, and practitioners to deliberate on broad social, economic, and technology trends relevant to the development and sustainability of our nation.

Scope and Topics

We, therefore, welcome authors and speakers to be part of the S3N'22 - The 2022 International Conference on Smart, Secure and Sustainable Nation, scheduled to hold from the 2nd to 4th of August 2022 at the June 12 Cultural Centre, Kuto, Abeokuta, Ogun State, Nigeria. Authors can now submit articles that present research results, innovative projects, critical literature reviews, and industrial experiences that describe the significant strategy in developing the next-generation digital economy relating to the theme and sub-themes.

Sub Themes

The thematic areas for this conference fall into three main areas: Smart, Secure, and Sustainable Nation. Authors are encouraged to align their submissions accordingly.

1. Smart Nation - Focus will be on design, regulatory, security, and auditing issues.

- Key thematic areas are:
 - Intelligent Cities- Design and Regulatory Framework
 - e-Governance And Policy Framework
 - e-Health and Smart Healthcare
 - Precision and Intelligence Agriculture
 - Regulation and Digital Consumer Privacy
 - Smart Security and Surveillance System
 - Software Systems and Architectures
 - Applications and Tools
 - Big Data Analytics and Applications
 - Artificial Intelligence and Applications
 - Computer Networks, Mobility and Pervasive Systems

2. Secure Nation - The focus here will be on the deployment of ICT solutions that handle issues relating to system security;

- Critical National Infrastructure
- Intelligent and Decision Support Systems
- Cyber Security
- Call Tracking & Counter-Terrorism
- Computer Forensics & Information Auditing
- IT Governance and Ethics (Suggestion)
- Virus/Antivirus
- 5G Technology and industrial revolution

3. Sustainable Nation - the focus here is on digital inclusiveness;

- Citizen Engagement: Security, Privacy, and Trust
- Digital Economy and Technopreneur
- ICT in Education- The Future of Learning
- Future of Work: Ergonomics and Smart Culture
- Innovative Skills, Youth Innovation and Sustainable Productivity
- ICT Regulation
- Media, Applied Technology, and Communication
- Social Computing/Interactions

Instructions to Authors:

- Authors are to submit full papers in English on original work intended for presentation at the conference. Only full papers submitted through **easyChair** will be considered. Please use the link <https://easyChair.org/cfp/S3N2022> to submit your paper.
- Paper submission must include full details of authors (names, addresses, and e-mails) and their affiliations.
- All Papers should not be more than 4,000 words, single-spaced in Times New Roman with 12 point font size using the American Psychological Association (APA) referencing style 7th Edition
- Where there are multiple authors, at least one author must pre-register to qualify for inclusion of the paper in conference proceedings.
- Selected papers may be considered for publication in International Journals, including the Journal of Computer Science and Its Applications; and the International Journal of Information Security, Privacy and Digital forensics published biannually by Nigeria Computer Society.
- All approved papers for presentation will be in NCS supported PowerPoint (.ppt) presentation format which will be communicated to Authors of approved papers.
- All submitted papers will be peer-reviewed by qualified reviewers. The authors are requested to submit their original and unpublished work in full not later than March 31, 2022
- Authors are advised to employ the IMRaD (Introduction, Methodology, Results and Discussion) format for their papers.
- Authors are also advised to check the plagiarism status of their papers before submission. Note that the maximum acceptable similarity index for the papers in this Conference is 15%.

All submitted papers must be previously unpublished and may not be considered for review or publication somewhere else during the period at which such articles are undergoing NCS review.

Selected papers will be published in *IFIP Advances in Information and Communication Technology*, indexed by SCOPUS, WoS, Google Scholar, ScImago, among others, and will be available in the Springer Link Digital Library.

Important Dates

Full Paper Submission Deadline: March 31, 2022
Notification of Acceptance: April 30, 2022
Final Manuscript & Registration Conference Date: June 15, 2022
August 02-04, 2022

Enquiries, adverts and Sponsorship:
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Ayodeji Rex Abitogun FNCS
Chairman Conferences Committee
E-mail: conferences@ncs.org.ng
Tel: +234-805-732-3870

Participation Fee

	Early Bird March 1 - May 30, 2022	Mid Bird June 01 - July 15, 2022	Venue
NCS Member	N50,000	₦ 55,000	₦ 65,000
Non Member	₦ 60,000	₦ 65,000	₦ 75,000
Student Member/(NACOS) NCS-Registered	₦ 15,000	₦ 20,000	₦ 25,000
Student Non NCS Member	₦ 20,000	₦ 25,000	₦ 30,000
Virtual Participants	₦ 40,000	₦ 40,000	-
Authors	₦ 70,000	₦ 75,000	-
International Authors	\$200	\$250	-

www.conferences.ncs.org.ng

ARTIFICIAL INTELLIGENCE CHALLENGE



Nuhu Samaila Samaila

HCI (Assisitive Technology) /
Assisitive Gesture Control System
for People with Paralysis Disability



Steven Kolawole

Sign-to-Speech Model for Sign
Language Understanding in
sub-Saharan Africa



Raphael Etaredafe

Education Technology



Umar Adam Ibrahim

Speech Technology



HIS EXCELLENCY, PROF. YEMI OSINBAJO SAN, GCON
VICE PRESIDENT, FEDERAL REPUBLIC OF NIGERIA

SPECIAL GUEST OF HONOR



HIS EXCELLENCY, ABDULLAHI SULE

GOVERNOR, NASARAWA STATE

HOST GOVERNOR

PROFILE & PICTURES OF SPEAKERS

Yau Isa Garba



Yau Isa Garba is currently the National Director, National Center for Artificial Intelligence and Robotics (NCAIR), a subsidiary of the National Information Technology Development Agency (NITDA), where he leads research and development on emerging technologies.

Mr Garba holds a bachelor's degree in Electrical Engineering and a master's degree in Computer Engineering and is an alumnus of Abubakar Tafawa Balewa University Bauchi (ATBU) and King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia.

He held several positions in academia and industry, with experience spanning both research and development in information technology and embedded systems. Mr Garba is certified by Microsoft, Cisco and CompTIA in areas related to systems administration, networking, and computer security.

He is a technology enthusiast, an expert on emerging technologies, with experience spanning both industry and academia. He is a pragmatic engineer with expertise in the development of both hardware and software systems, with applications in healthcare, agriculture, renewable energy, and educational technology. He has designed several tools to inspire young Nigerians to embrace technology using the popular 'Science Technology, Engineering and Mathematics' (STEM) scheme. He is also an ardent precision agriculturalist where he has been designing and deploying innovative systems to take Nigerian agricultural industries to new levels.

Before joining NITDA, he has been the co-founder and CEO of a technology startup developing cutting-edge products for the renewable energy sector. He is still a hands-on engineer, spending quality times with machines and tools in the NCAIR research and development labs.

PROFILE & PICTURES OF SPEAKERS

Professor Jude Kong

Jude Kong is a professor at York University (www.judekong.ca), Canada and the Director of the Africa-Canada Artificial Intelligence and Data Innovation Consortium (ACADIC) (<http://academic.org>).

Additional, he is a member of the Canadian Black Scientist Network, a member of the Scientific Advisory Committee of the Mathematics for Public Health Network, and a member of the Canadian COVID-19 Modelling Rapid Response Task Force. Kong is an expert in artificial intelligence, data science and infectious disease modelling. During the COVID-19 pandemic, he has been leading an interdisciplinary team of more than 50 researchers from key academic and government institutions in nine African countries that have been leveraging Artificial Intelligence to predict and forecast COVID-19 infections in Africa. In 2020, he won a York Research Leader Award.



Bolarinwa Kemisola

Bolarinwa Kemisola is the founder of Next wear Technology, the first wearable technology startup in Nigeria. She is a Robotics and Embedded system Engineer, with exceptional tech skills.

Her work in the field of wearable technology is significant. She developed a wearable solution for safety and invented a Smart Bra device that detects earliest stage Breast Cancer.

Kemisola advocates STEM Education mainly for girls rich is her special passion for bridging the STEM gender gap and attracting young women to choose careers in STEM-related fields.



DR. ISA ALI IBRAHIM PANTAMI, FNCS
MINISTER OF COMMUNICATIONS AND DIGITAL ECONOMY IN NIGERIA

GUEST OF HONOR



DR. OGBONNAYA ONU
MINISTER OF SCIENCE AND TECHNOLOGY IN NIGERIA

GUEST OF HONOR

PROFILE & PICTURES OF SPEAKERS

Dr. Chika Yinka-Banjo FNCs

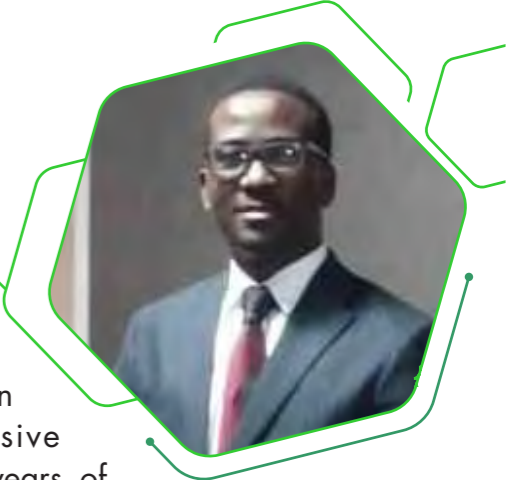


Chika Yinka-Banjo obtained her PhD in 2015 in the area of Artificial Intelligence and Robotics at University of Cape Town South Africa. She was an ETT fellow at the Massachusetts Institute of Technology, Boston, USA in 2019.

She is one of the two hundred most qualified young researchers selected by the Scientific Committee of the Heidelberg Laureate Forum Foundation (HLFF) from all countries to participate in the Heidelberg Laureate Forum, Germany, 2018.

She is the founder of Artificial Intelligence and Robotics Laboratory (AIROL) at the University of Lagos and a Senior Lecturer at the Department of Computer Science, University of Lagos, Nigeria.

Adewale Ashogbon, PhD, MS, CISSP, CISA, CISM, CGEIT, CRISC, CDPSE



Adewale is an Adjunct Professor at the Liberty University, Virginia, United States. He's also a Certified Information Security/Cybersecurity Manager with an extensive background in Banking Institution. He has over 10 years of industry experience spanning Information Security Audit, Enterprise Risk Management, and IT/Data Governance.

He's a performance driven and Subject Matter Expert with a research niche in Cybersecurity Governance, Risk, and Compliance (SOX, PCI-DSS, ISO 270xx, FFIEC, GLBA, NIST, COBIT, COSO, FISMA, and GDPR). He holds a PhD in Business Administration from Northcentral University, California, USA.

PROFILE & PICTURES OF SPEAKERS

Professor Oludele Awodele FNCS



AWODELE Oludele, is a Professor of Computer Science and Artificial Intelligence. He had his higher education at the University of Ilorin and Federal university of Agriculture, Abeokuta, Nigeria. He is trained to conduct programme accreditation in computer science, artificial intelligence.

He was the Head of Department Computer Science, Babcock University (2009-2016), Dean, School of Computing and Engineering Sciences (2016-2020), and currently the Director of Academic Planning, Babcock University. He is a Fellow of the Nigeria Computer Society, Member of the following professional bodies: Computer Professional Registration of Nigeria, Institute of Cooperate Administration, USA Informing Science Institute, He has published well over 150 papers both in International and Local Journals. He has Mentored and supervised 21 MSc, 12 PhD and several Undergraduate Projects.

From 2017-2021, he was the Editor-in-Chief of the following Nigeria Computer Society Journals: International Journal of Information Security Privacy & Digital Forensics and the Journal of Computer Science and Its Applications. Member, Governing Council, Association of Applied Information Management Professionals. Member, Governing Council of the Nigeria Computer Society, Member Governing Council of the Computer Professional Registration Council of Nigeria and the Chairman, Innovation, Research and Development Committee of the Nigeria Computer Society (2017-2021).

He has attended many international workshops and Conferences on AI and its Applications and was certified in 2021 by the Global University Network for Innovation (Africa) and the African Quality Assurance Network as a Certified Accreditor for Computer Science and Artificial Intelligence Programmes.



KASHIFU INUWA ABDULLAHI

DG, NATIONAL INFORMATION TECHNOLOGY DEVELOPMENT AGENCY (NITDA)

KEYNOTE SPEAKER



PROFESSOR ADESINA SIMON SODIYA, FNCS
PRESIDENT, NIGERIA COMPUTER SOCIETY (NCS)

PROFILE & PICTURES OF SPEAKERS

Dr. Victor Odumuyiwa



Dr. Victor Odumuyiwa is currently the acting Director of the NITDA IT Hub (NitHub) at the University of Lagos where he is building a technology innovation eco-system to enhance the digital economy of the nation. He was formerly Director of the Centre for Information Technology and Systems (CITS). He is also a senior lecturer in the Department of Computer Sciences, University of Lagos. Dr. Odumuyiwa is the current president of the West African chapter of the International Society for Knowledge Organisation (ISKO-WA).

He is also the current chairman of the Association of Massachusetts Institute of Technology Trained African University Lecturers (AMTAUL). He is a member of the Advisory Board of Data Science Nigeria. He is a member of Nigeria Computer Society (NCS) and also a member of Computer Professionals of Nigeria (CPN). He has been involved in several research projects and international collaborations.

He was appointed in 2014 as a stream coordinator in the applied computer science curriculum and learning content development project for the African Virtual University (AVU) sponsored by the African Development Bank. He is currently part of an international research team working on Digital Innovation for Transitioning to a Circular Plastic Economy (DITCh Plastic) –a UKRI funded project. Dr. Odumuyiwa also participated in the SIST (Scientific Information System) project, a Franco-African project comprising of France and 12 African countries aimed at federating researchers across Africa and ensuring global dissemination of their research output.

He was part of a Franco-Nigeria collaboration project on capacity building involving Université Nancy 2 France, French Foreign Affairs Ministry and four Nigerian universities (University of Ibadan, University of Lagos, Obafemi Awolowo University and Lagos State University). Odumuyiwa co-chaired the 9th International Conference on e-Infrastructure and e-Services for Developing Countries organized by the European Alliance for Innovation in December 2017 in Lagos.

He also chaired the 3rd Biennial International Conference on Transition from Observation to Knowledge to Intelligence (TOKI2019) – a platform for presentation of new research findings and results in Knowledge Management, Competitive Intelligence, Big Data, Semantic Web, IOT, Web Mining, Natural Language Processing and Data Science. He is passionate about enhancing the quality of education delivery in Nigeria.

PROFILE & PICTURES OF SPEAKERS

Timnit Gebru



Timnit Gebru is the founder and Executive Director of the Distributed Artificial Intelligence Research Institute (DAIR). Prior to that she was fired by Google in December 2020 for raising issues of discrimination in the workplace, where she was serving as co-lead of the Ethical AI research team.

She received her PhD from Stanford University, and did a postdoc at Microsoft Research, New York City in the FATE (Fairness Accountability Transparency and Ethics in AI) group, where she studied algorithmic bias and the ethical implications underlying projects aiming to gain insights from data.

Timnit also co-founded Black in AI, a nonprofit that works to increase the presence, inclusion, visibility and health of Black people in the field of AI, and is on the board of AddisCoder, a nonprofit dedicated to teaching algorithms and computer programming to Ethiopian highschool students, free of charge.

Umar Zubairu CEF, MCP, CFI



Certify Computer Forensic RIT – USA, Certify Ethical Hacker – KSOU

Umar zubairu is the founder Rumfa.ng. managing director Flash disc, Head of ICT, the Proposed Pen Resource University Gombe State, as well as a member of the planning and implementation committee, Pen Resource University. He is also a Microsoft partner for Africa

Umar Zubairu has led many projects in security Health, checks, web development, Robotics, fiber optics Networking, and many more.

He has delivered training, workshops, and Lectures to over 2000 staff of different organization including the Nigerian Police Force, Nigerian Army, EFCC, University Staff, and many more



MR. IYIOLA AYOOLA FNCS
EXECUTIVE SECRETARY, NIGERIA COMPUTER SOCIETY (NCS)

President's Welcome Address Protocol



Nigeria Computer Society (NCS), the umbrella body for all Information Technology practitioners, has continued to lead Information Technology development and digital transformation for many years ago. Recently, the society created many initiatives and programmes geared toward enhancing national development using emerging technologies. Today, we are witnessing another innovative programme of NCS that is aimed impacting on all areas of the economy.

It is with great pleasure and honour that I welcome you all to the maiden edition of Artificial Intelligence Summit of Nigeria Computer Society, holding in the scintillating and accommodating city of Lafia, Nasarawa.

Artificial Intelligence (AI) is a branch of Computer Science which involves the creation of applications, systems and machines that are as intelligent as human beings. Currently, AI is reshaping the world and making significant changes in different domains of life. AI is being implemented across the world to enhance the processes and activities of both public and private organizations.

Covid-19 has disrupted government and economic activities all over the world. Countries and businesses are now leveraging on emerging technologies for better performance. The focus of this summit is to generally enable, develop and expand Nigeria's capability in AI. Integrating Artificial Intelligence in government will trigger numerous opportunities such as better policy formulation, efficient decision making, enhanced quality of service, guaranteed citizens' trust, increased work output and generally promote good government. Ai-enabled private sector will boost revenues, remove bottlenecks, ensure smooth planning, increase output, increase market penetration, enhance service delivery, improve customer satisfaction; and increase production output and quality. Leveraging on AI will leapfrog economic transformation of any nation. In addition, AI can support and facilitate the realization of the 17 goals and 169 targets recognized in the 2030 Agenda for Sustainable Development.

The theme of this year's summit is 'Artificial Intelligent for National Development'. In Nigeria, we need to start building indigenous capacities in AI. Currently, about 3% of Information Technology in Nigeria are in the areas of AI and robotics. Nigeria Computer Society (NCS) has resolved to change the situation by providing enabling environment, technical skills and expertise for the development of AI in Nigeria. This summit was smartly structured to promote the adoption of AI in all spheres of life. The summit has seven components, namely Technical Session, Discussion Forum, Workshop, Demonstration, AI Challenge, Exhibition and Master Class for students. You will agree with me that this Summit will make significant impact on participants and Nigeria.

PROFILE & PICTURES OF SPEAKERS

Dr. Olusola Sayeed Ayoola Ph.D., M.Sc., MIET, MNSE



Resource person, Life Coach, and Inspirational speaker, Dr. Olusola Sayeed Ayoola is the founder of Robotics and Artificial Intelligence Nigeria (RAIN) where he leads research in Artificial Intelligence and Robotics and supports career progression of young Robot Developers. He is also the lead facilitator in the Robot Development and Automation - RDA full certification wing of RAIN.

He recently joined the prestigious University of Ibadan, Nigeria where he delivers robotics and advanced control theory modules to postgraduate students. Dr. Ayoola has been a recipient of local and international scholarship awards.

He holds a first-class bachelor's degree in Electrical and Electronic Engineering from the University of Ibadan. He also holds a masters' degree with distinction in Advanced Control and Systems Engineering as well as a doctorate degree in Electrical and Electronic Engineering from the University of Manchester, United Kingdom.

Dr. Ayoola served as a member of the robotics research group at the University of Manchester, UK from 2014 to 2019. During this period, and in partnership with Forth Engineering, UK, Dr. Ayoola focused on developing ground and underwater robots to support UK's Nuclear Decommissioning programme.

He also championed research in acoustics systems for underwater robot positioning and underwater wireless communication.

Dr. Ayoola is a member of the prestigious Institution of Engineering and Technology (IET). He has a proven passion for knowledge transfer and an extensive record of delivering robotics and STEM outreach programmes in the UK.

PROFILE & PICTURES OF SPEAKERS

Christopher Ighalo



Christopher Ighalo is an experienced PropTech and Innovations Manager, Digital Marketing Expert, Research and Development Executive, Customer Insights and currently the Head of Technical Services and Project Manager of HazanaCity Ibadan; a development project by SmartCity PLC with over 7 years' experience in the ICT space.

Prior to his appointment at SmartCity PLC, he was Product Manager (Digital Real Estate Solutions) at Chams PLC in collaboration with SmartCity PLC. Working with the department of Innovations & Marketing Communications, Chris drove some of Chams New Innovations and Solutions. He worked with a team of Executives in deriving 6 new products which are currently in the Chams products and solutions lab. He also brainstormed with a team of experts in deriving the new Real Estate Solution of which he was made the Product Manager, a solution to revolutionize the Real Estate sector in Nigeria today. He has also worked at ChamsAccess Limited (a subsidiary of Chams PLC) prior to his promotion to Chams PLC, to set up the first IT Department of the company. He also worked as the Digital Marketing Personnel, driving sales through social media, and lastly as an Innovations Executive for ChamsAccess Limited. Through his exceptional performance at Chams Access Limited, he was awarded the Most Innovative Staff of the company for the year 2015 and 2016 respectively. He also recently attained the award for the Most Inventive Staff of Chams PLC 2018.

Christopher is Procept Certified in Project Management Essentials, ITIL Foundations, Reports and Proposals Writing, Service Excellence by B.Adedipe, Microsoft Office tools by Wizer, Effective Social Media Marketing and Critical and Analytical Thinking with Enzo Crypton and Udemy MBA Certified. He has a degree in Mathematics and Computer Science from Ambrose Alli University, Ekpoma, Edo state. He is currently undergoing online Programming courses for Software and Web service development.

I wish to first honour and appreciate host of this Summit, His Excellency, the Executive Governor of Nasarawa. By our assessment, the governor is an amiable person, a man of the people and a core professional. He has continued to drive government processes using technology. No wonder he became the Nigeria Digital Governor in 2021. I wish to state categorically that we are having this Summit because of the immeasurable supports received from our Digital Governor. We pray for more guardianships and greater love from the Almighty Allah in your life. We also thank all the members of the Nasarawa State Executive Council for their supports and interest in NCS.

We sincerely appreciate our special guests for accepting to be part of this summit. In particular, the Vice-President Nigeria, Mr. 'Yemi Osibajo; Honourable Minister of Communications and Digital Economy, Dr. Isa Alli Ibrahim (Pantami); Minister of Science and Technology, Dr. Ogbonnaya Onu; Director General, National Information Technology and Development Agency (NITDA), Mr. Kashifu Inuwa Abdullahi; Executive Vice-Chairman Nigerian Communications Commission (NCC), Prof. Umaru Garba Danbatta; and Chairman / Chairman of Dangote Group, Mr. Aliko Dangote.

I must also specially recognized all the members of the National Executive Council (NEC) for supporting this wonderful initiative and participating at this event. The smart NEC 2.0 has been highly strategic and innovative in the conduct of the affairs of the current NCS. More grease to your elbow! Special thanks to the fellows and senior members of the society in attendance.

We also appreciate our partners – Computer Professionals Registration Council of Nigeria (CPN), National Information Technology Development Agency (NITDA), IBM, Oracle Plc., Microsoft, Zinox, The representatives of the international partners of NCS (International Federation for Information Processing and British Computer Society) are indeed recognised. We are really grateful for your interest in Nigeria Computer Society.

We recognized and specially thank our distinguished resource persons and guests: Engr. Yau Isah Garba, Director, National Centre for Artificial Intelligence and Robotics; Dr. Olusola Sayeed Ayoola – Founder, Robotics and Artificial Intelligence Nigeria (RAIN); Mr. Umar Zubairu – MD, Flash click & Head of ICT, Pen Resource University Gombe State; Mr. Chris Ighalo, – SmartCity Resorts Plc., Engr. Kemisola Bolarinwa – Founder/CEO, Nextwear Technology, Dr. Chika Yinka-Banjo – Founder, Artificial Intelligence and Robotics Laboratory (AIROL), University of Lagos; and Dr. Victor Odumuyiwa - Acting Director, NITDA IT Hub (NitHub), the University of Lagos. We are most grateful for accepting to be part of this event.

We sincerely appreciate the duo that attracted this programme to Nasarawa State: DG ICT, Mal. Shehu Ibrahim and SSA ICT, Mal Haruna Sanni, who also doubles as the NCS Chairman in Nasarawa.

I want to specially thank the past presidents and elders of this great Society. We appreciate your vision and unalloyed supports at all times.

Finally, I wish to appreciate those that worked assiduously to make today a reality - the National Organising Committee, Local Organising Committee and the secretariat for their commitments and dedications toward the success of this conference.

On behalf of the 21st National Executive Council (NEC) and the entire membership of Nigeria Computer Society (NCS), I want to assure all participants that we shall all have knowledge full and enjoyable time in Nasarawa.

Thank you and God bless you all.

Professor Adesina SODIYA FNCS
President, Nigeria Computer Society

AI SUMMIT NATIONAL ORGANIZING COMMITTEE

1. Prof. Adesina S. Sodiya FNCS
2. Dr. Mohammed S. Aliyu FNCS
3. Mr. Iyiola Ayoola FNCS
4. Mal. Shehu Ibrahim (DG, BICT)
5. Prof. Oludele Awodele FNCS
6. Prof. Adebukola S. Onashoga FNCS
7. Mr. Rex Abitogun FNCS
8. Dr. Olusoji Okunoye FNCS
9. Dr. Stanley Adiele Okolie FNCS
10. Dr. Yange T. Simon FNCS
11. Mrs. Margaret John-David FNCS
12. Mr. Bayo M. Onimode
13. Dr. Adewale Adesina
14. Mr. Omotayo Idowu
15. Mr. Kayode Akomolafe
16. Mr. Adekunle Durosinmi
17. Mr. Taiwo Oyesanwo
18. Mrs. Lilian U. Nkammuo

3.00 pm – 4.00 pm	LUNCH BREAK
4.00 pm – 6.00 pm	<p>SESSION 8: Technical Presentations</p> <p>Topic 1: Using AI to Accelerate National Development Speaker 1: Dr. Ayoola Olusola, Founder of Robotics and Artificial Intelligence Nigeria (RAIN)</p> <p>Topic 2: Harnessing Big Data and Natural Language Processing for decision-making and informing policies: the case of COVID-19 Speaker 2: Prof. Jude Kong, Director, Africa-Canada Artificial Intelligence and Data Innovation Consortium</p> <p>Topic 3: Distributed Artificial Intelligence Speaker 3: Dr Timnit Gebru, Founder, Distributed Artificial Intelligence Research Institute (DAIR), USA</p> <p>Topic 4: Building Risk Management into AI and ML Speaker 4: Dr. Adewale Ashogbon, Liberty University, Virginia, United States</p> <p>Questions & Answers</p> <p>Moderator: Dr. Olusoji Okunoye FNCS, University of Lagos</p>
	DAY 3: FRIDAY 25TH MARCH 2022
9 am – 11 am	<p>SESSION 9: Demonstration of NCS Unmanned Aircraft</p> <p>Demonstrator: Mr. Umar Zubair, Head of ICT, the Proposed Pen Resource University Gombe State</p> <p>Moderator: Prof. Adebukola Onashoga FNCS, University of Agriculture Abeokuta</p>
11 am – 11.30 am	BREAK AND TOUR OF EXHIBITIONSTANDS
11.30am – 1.00pm	<p>SESSION 10: Artificial Intelligence Demonstrations (I)</p> <p>Demonstration 1: Dr. Rashidah Funke Olanrewaju, Coordinator, Software Engineering Research Group, International Islamic University Malaysia Kuala Lumpur Malaysia</p> <p>Demonstration 2: Engr. Bayonle Fadayomi, CEO, Brainsoft Systems Limited</p>
1.00 pm – 2.00 pm	BREAK AND CLOSING FORMALITIES
5.00 pm – 7.00 pm	Closing Dinner

Chairman's Welcome Address



Dr. Olusoji B. Okunoye, FNCS –
Chairman, Innovation and Development Committee

The Executive Governor of Nassara state, Engineer Abdullahi Sule, the Federal Minister of Communications and Digital Economy of Nigeria, Professor Isa Ali Pantami, the Director general, NITDA, Kashifu Inuwa Abdullahi, the President of NCS, Professor Adesina Sodiya, (FNCS), Royal fathers here present, the Executive members of NCS, gentlemen of press, distinguished ladies and gentlemen. It is with great pleasure that I welcome you most warmly to this AI Summit, the first of its kind by the Nigeria Computer Society (NCS). NCS, through the able leadership of Professor Sodiya, FNCS, has been the umbrella body for all IT practitioners and interest groups in Nigeria with a core mandate of advancing, promoting, and developing computing education and practice for the benefit of everyone.

This AI summit is one of the numerous programmes organized by NCS as part of her renewed commitment to national development in Nigeria through Information Technology. It is a known fact that Artificial intelligence is currently presenting tremendous opportunities, leading to breakthroughs in all spheres of live as well as transforming every segment of global economy. This summit therefore, is a platform for gathering of professionals both in academia and industry, start-ups, investors, and relevant organisations to exchange ideas, seek opportunities and leverage on global advances in AI for national development. This summit promised to be very insightful.

We enjoin all to maximise various opportunities, networking and innovative ideas that will emanate from this summit. In order to provide a broad insight and perspective for this summit, we have included a keynote speech to be delivered by the expert in the field.

The keynote speech will be followed by high quality presentations by technocrats in AI field. Other activities in this summit include workshops, exhibition, discussion forum and AI challenge. Ladies and Gentlemen, once again I welcome you to this Summit and wish you a fruitful and rewarding summit.

Dr. Olusoji. B. Okunoye, FNCS

ARTIFICIAL INTELLIGENT SUMMIT 2022

PROGRAMME SCHEDULE

DAY 1: WEDNESDAY 23 RD MARCH 2022	
PRE-SUMMIT WORKSHOP	
8.00am – 9.00am	The arrival of Guests, Delegates & Registration
9.00 am – 9.30 am	Introduction of Guests and Opening Remarks: MC
9.30 am – 11.00 am	<p>Session 1: Discussion Forum</p> <p>Topic: Strategies for developing AI capacities in Nigeria</p> <p>Discussants:</p> <ol style="list-style-type: none"> 1. Engr. Yau Isah Garba, Director, NCAIR (NITDA) 2. Prof. Oludele Awodele FNCS, Babcock University, Ogun State 3. Engr. Kemisola Bolarinwa, CEO Nextwear Technologies 4. Mr. Christopher Ighalo, Head, Tech Services, SmartCity Plc 5. Dr. Sulaimon Adebayo Bashir – Federal University of Technology, Minna, Niger St. 6. Dr. Mrs. Amina Sambo-Magaji – National Coordinator, Office of the ICT Innovation and Entrepreneurship, NITDA <p>Moderator: Dr. Adewale Adesina, National Open University of Nigeria</p>
11.00 am - 12 noon	BREAK AND TOUR OF EXHIBITIONSTANDS
12 noon – 1.00 pm	<p>SESSION 2: Workshop 1 – Embedded Systems/Robotics</p> <p>Speaker: Dr. Chika Yinka-Banjo – Founder, Artificial Intelligence and Robotics Laboratory (AIROL), University of Lagos</p>
1.00pm – 2.00 pm	<p>SESSION 3: Workshop 2 – Modern Techniques in AI</p> <p>Speaker: Gbolade Shada</p>
2.00 pm - 3.00 pm	LUNCH BREAK
3.00 pm – 4.00 pm	<p>SESSION 4: Artificial Intelligence Development (Youths)</p> <p>Moderator: Dr. Terungwa Simon Yange, University of Agriculture Makurdi</p>
4.00 pm – 6.00 pm	<p>SESSION 5: Workshop 3: Artificial Intelligence Innovations</p> <p>Speaker: Dr. Ayoola Olusola – Founder, Robotics and Artificial Intelligence Nigeria (RAIN)</p>

DAY 2: THURSDAY 24TH MARCH 2022

9 am – 11 noon	<p>OFFICIAL OPENING:</p> <ul style="list-style-type: none"> ▪ Arrival and Introduction of Guests: MC ▪ Welcome Address: Dr Olusoji Okunoye FNCS, Chairman, Innovation, Research and Development Committee. ▪ Opening Remark: Prof. Adesina S. Sodiya FNCS, President, Nigeria Computer Society (NCS). ▪ Addresses by Guests of Honour: <ul style="list-style-type: none"> ○ Prof. Isa Ali Ibrahim (Pantami) FNCS, Honourable Minister of Communications and Digital Economy ○ Dr Ogbonnaya Onu, Honourable Minister of Science, Technology and ▪ Goodwill Messages <ul style="list-style-type: none"> ○ Computer Professionals Registration Council of Nigeria (CPN) ○ National Information Technology Development Agency (NITDA) ○ National Office for Technology Acquisition and Promotion (NOTAP) ○ Microsoft ○ IBM ○ Etc <p>KEYNOTE ADDRESS:</p> <p>Topic: Artificial Intelligence (AI) for National Development Speaker: Mr Kashifu Inuwa, Director-General, NITDA</p> <p>Host Governor's Address: Engr. Abdullahi A. Sule, Executive Governor of Nasarawa State</p> <p>Address by Special Guest of Honour: Prof. 'Yemi Osinbajo GCON, Vice- President, Federal Republic of Nigeria</p>
	11 noon – 12.00pm
12.00 pm – 1.30pm	<p>SESSION 6: Artificial Intelligence Challenge and Competition</p> <p>Moderator: Mr. Rex Abitogun FNCS, Lead Consultant/ Chief Executive Officer, Management Edge Limited</p>
1.30pm – 3.00pm	<p>SESSION 7: Workshop 4 – Additive Manufacturing Workshop (3D printing)</p> <p>Speaker: Dr. Victor Odumuyiwa, Ag. Director, NITDA IT Hub (NitHub)</p>