

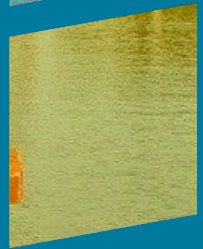
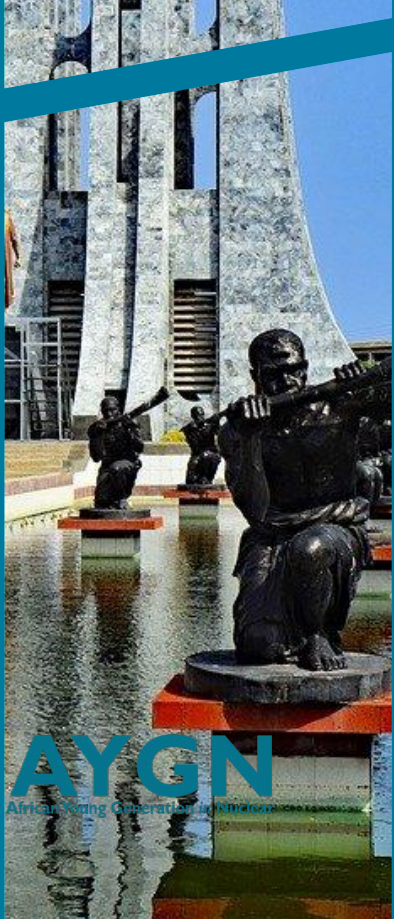
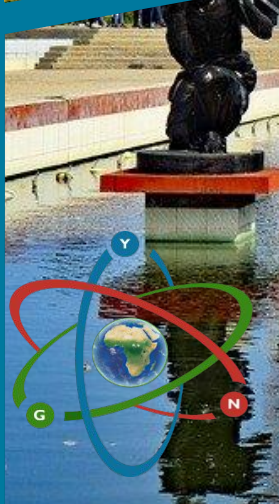
OBJ

# AFRICAN YOUTH NUCLEAR SUMMIT 2021

## TECHNICAL PROGRAMME



Ghana Young  
Generation in Nuclear

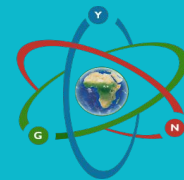


ACCRA, GHANA  
25-29 OCTOBER 2021

Theme:



*“The impact of nuclear science and technology applications on economic recovery in Africa post COVID-19 pandemic”.*



Time	Monday (25th October, 2021)	Tuesday (26th October, 2021)	Wednesday (27th October, 2021)	Thursday (28th October, 2021)	Friday (29th October, 2021)
07:00am - 08:00am	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
08:00am - 10:30am	Registration	Plenary Session	Plenary Session	Plenary Session	Guided Tour
	Opening Ceremony				
10:30am - 10:50am	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
10:50am - 11:35am	Opening Ceremony	Panel Session	Panel Session	Panel Session	
11:35am - 12:20pm		Technical Session	Technical Session	Technical Session	
12:20pm - 01:00pm					
01:00pm - 02:00pm	Lunch	Lunch / Poster Session	Lunch / Poster Session	Lunch / Poster Session	Lunch
02:00pm - 02:45pm	Plenary Session	Technical Tour	Technical Tour	Technical Session	Guided Tour
02:45pm - 03:30pm				Coffee Break	
03:30pm - 03:50pm					
03:50pm - 04:35pm					
04:35pm - 05:20pm					
07:00pm - 09:00pm	Night Event	Night Event	Night Event	Night Event	

# DAY ONE (October 25, 2021)

Time	Event
08:00am - 09:00am	Registration
09:00am - 09:10am	Opening Remarks
09:10am - 09:20am	Keynote Address - AYGN
09:20am - 09:30am	Keynote Address - IYNC
09:30am - 09:40am	Keynote Address - PCYES, Office of the President
09:40am - 10:00am	Cultural Interlude
10:00am - 10:10am	Keynote address - AfCONE
10:10am - 10:20am	Keynote address - ISTC
10:20am - 10:30am	Keynote address - IAEA
10:30am - 10:50am	Coffee Break
10:50am - 11:10am	Keynote address - GAEC
11:10am - 11:20am	Keynote address - NRA
11:20am - 11:50pm	Plenary Session - Effective Communication and Nuclear Outreach Programmes

# DAY ONE (October 25, 2021) Cont'd

11:50am - 12:20pm	Plenary Session - Role of Nuclear Power in Improving Africa's Economic Growth Post COVID-19
12:20am - 13:10pm	Plenary Session - The Role of Youth in Advancing AU Agenda 2063 with Nuclear as an Enabler
13:10pm - 13:40pm	Keynote address - Minister of Energy
13:40pm - 14:00pm	Group Photograph and Tour of Stands
14:00pm - 15:00pm	Lunch
15:00pm - 15:30pm	Plenary Session - Application of Nuclear Techniques in Agriculture
15:30pm - 16:00pm	Plenary Session - Role of Nuclear in Improving Food Security and Safety Post COVID-19
16:00pm - 16:30pm	Plenary Session - Role of Medicinal Applications of Nuclear in Improving Healthcare Post COVID-19
04:30pm - 05:00pm	Closing Remarks
07:00pm - 9:00pm	Gala Dinner (Ghana Young Generation in Nuclear Official Launch)

# DAY TWO (October 26, 2021)

Time	Event		
08:00am - 08:30am	Plenary Session - Training, Education and Knowledge Management		
08:30am - 09:00am	Plenary Session - Women in Nuclear: Gender Equality		
09:00am - 09:30am	Plenary Session - SMRs as Innovative Technologies for Africa's Energy Transition		
09:30am - 10:00am	Plenary Session - Management of Disused Sealed Radioactive Sources in IAEA Member States		
10:00am - 10:30am	Plenary Session - Challenges Facing Nuclear Medicine Practices in LMICs		
10:30am - 11:00am	Coffee Break		
11:00am - 12:00pm	Panel Session - Nuclear Medicine: Growth, Opportunities and Prospects in Africa		
12:00pm - 13:00pm	Room 1: Technical Session 1  Cancer Treatment, Diagnostic Imaging, Radiation Therapy and Nuclear Medicine Technology	Room 2: Technical Session 2  Nuclear Energy Systems	Room 3: Technical Session 3  Nuclear Reactor Engineering: Hydraulics; Reactor Safety; etc

# DAY TWO (October 26, 2021) Cont'd

13:00pm - 14:00pm	Lunch/Poster Session
14:00pm - 17:00pm	Technical Tour - Korle-Bu Teaching Hospital Radiological Facilities
19:00pm - 21:00pm	Night Event

# DAY THREE (October 27, 2021)

Time	Event		
08:00am - 08:30am	Plenary Session - The Role of Nuclear in Africa's Journey to Achieving UN Net-Zero Emissions by 2050		
08:30am - 09:30am	Africa for Nuclear Competition		
09:30am -10:30am	Panel Session - Public Acceptance of Nuclear Technology in African Countries		
10:30am - 10:50am	Coffee Break		
10:50am - 11:50am	Panel Session - Nuclear Policy and Regulatory Readiness in Africa		
11:50am - 12:50pm	Panel Session - The Role of Young Professionals in the Nuclear Programmes		
12:50pm - 13:10pm	Room 1: Technical Session 1  Nuclear Techniques in Animal production, Nutrition and Health	Room 2: Technical Session 2  Isotope and Irradiation Techniques to Combat Pests and Diseases	Room 3: Technical Session 3  Mutation Breeding for Food and Nutrition Security
13:10pm - 13:30pm	Room 1: Workshop 1  Media Training: Guidance for Practicing Good Communication	Room 2: Workshop 2  Communication Strategies: Development, Implementation and Evaluation	



# DAY THREE (October 27, 2021) Cont'd

13:30pm - 14:10pm	Lunch/Poster Session
14:10pm - 17:00pm	Technical Tour - Ghana Atomic Energy Commission Radiological Facilities
07:00pm - 09:00pm	Night Event

# DAY FOUR (October 28, 2021)

Time	Event		
08:00am - 08:30am	Plenary Session - Technology Advancements and Theranostic Approaches in Nuclear Medicine		
08:30am - 09:00am	Plenary Session - Economic Potential of Nuclear Power Introduction.		
09:00am - 09:30am	Plenary Session - Decommissioning and Nuclear Waste Management		
09:30am - 10:30am	Panel Session - Non-Proliferation Treaties		
10:30am - 11:00am	Coffee Break		
11:00am - 12:00pm	Panel Session - Nuclear Industry's Communication in the Dawn of 4th Industrial Revolution (4IR)		
	Room 1: Technical Session 1 Passive Safety Systems	Room 2: Technical Session 2 Global Nuclear Power Plant Development	Room 3: Technical Session 3 Corrective Approach to Non-Compliances
13:00pm - 14:00pm	Lunch/Poster Session		
14:00pm - 16:00pm	AYGN General Meeting		
16:00pm - 16:20pm	Coffee Break		
16:20pm - 17:10pm	Closing Session		

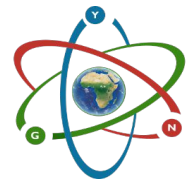
# DAY FIVE (October 29, 2021)

Time	Event
DAY Five (October 29, 2021)	
08:00am - 11:20am	Guided Tour - Kakum National Park
11:20am - 12:00pm	Lunch
12:00pm - 17:20pm	Guided Tour - Cape Coast Castle

# EVENT OVERVIEW

The Ghana Young Generation in Nuclear (GhYGN) under the auspices of the African Young Generation Nuclear (AYGN) will hold the 3rd African Youth Nuclear Summit (AYNS) in Accra, Ghana on 25–29 October 2021, dubbed, *“The impact of nuclear science and technology applications on economic recovery in Africa post COVID-19 pandemic”*. The motto for this summit is *“Defining Africa’s Agenda 2063”*.

AYNS2021 will bring together young people and professionals across the continent, from the academia; nuclear research institutions, nuclear service providers, prospective and current operators as well as regulators to share, exchange ideas and network on issues related to nuclear science and technology.

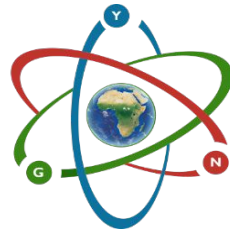


# ABOUT US

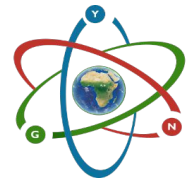
The AYGN and GhYGN are developed and diverse non-profit organizations that are committed to ensuring the youth engagement and support within the nuclear industry, and able to capitalise on numerous professional opportunities for careers, networking and development. The summit theme reflects a commitment to increasing youth participation while promoting the peaceful uses of nuclear technology within the African continent.



**Ghana Young  
Generation in Nuclear**



**AYGN**  
African Young Generation in Nuclear



**ADDITIONAL INFORMATION:**  
For more information please contact:  
[communications@africanygn.org](mailto:communications@africanygn.org)

