



Genius in Africa



African School of Fundamental
Physics and Applications

GENIUS IN AFRICA

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ASP Online Seminars: Genius in Africa

by Jesutofunmi Ayo Fajemisin (University of South Florida, USA)

Tuesday Dec 21, 2021, 1:00 PM → 2:30 PM UTC

Description Abstract:

Genius in Africa (GiA) is a platform that searches out the best and most promising students in the rural areas of Africa. Our main mandate is to reach out to rural geniuses and also support them towards achieving their goals.

Rural geniuses in this context are both the reached (via technology) and the unreached talents across the continents that have mastered the art of doing much with the little resources available.

In their day-to-day activities, children can be subjected to misinformation under the disguise of religion and other organized philosophical ideas. The quality of information they are exposed to at an early age has a greater influence on who they will become in the future. Many of these children have skills in different vocations like hunting, cooking, and even arithmetic through buying and selling. The question here is, "How do we maximize these talents and, through them, raise the next generation of solution providers across all aspects of life?"

Through outreach, book support, and other promising media, GiA is designed with the purpose of reaching out to our rural geniuses across the continent. GiA proposes to develop an effective outreach and communication strategy for young pupils to channel them toward education and training, keep them away from bad influences and misinformation, and support their societal growth.



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Organized by

IOC
Jesutofunmi Ayo Fajemisin (ASP2018 Alumna)

Participants

- C Charles Kwame Bandoh
- E ebode onyie fabien
- E Emmanuel Olawale
- F FAICAL BARZI
- H Hadhemi Nfissi
- H Herman Winick
- J Jephthah Iyaro
- J Jespere Calderone Nzobadila Ondze
- J Jesutofunmi Fajemisin

Videoconference

ASP-Seminars [Please log in and register](#)

Contacts

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From Ideation to Execution



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Genius in Africa



*A platform that showcases the geniuses
in Africa and their unique abilities to the world.*



If 10 high school students are needed to represent your country in an international competition, what is the possible location of the students who will be selected?

UNESCO SDG Report

- SDG 4 ensures **inclusive and equitable quality education** and promotes lifelong learning opportunities **for all**.
- **By 2030**
 - Ensure that all girls and boys **complete** equitable, **quality** primary and secondary education that leads to relevant and effective learning.
- **Sub-Saharan Africa** has the highest out-of-school population and is the **only** region where this population is **growing**. Since 2009, the out-of-school population has increased by 20 million, **reaching 98 million in 2021**.

ABOUT US

GET TO KNOW US BETTER

- Genius in Africa is focused on building a child's inner self to choose education regardless of the challenges ahead. Get them back to school and keep them in school.
- Genius in Africa (GiA) is a platform that searches out the best and promising students in Africa. Our main mandate is to reach out to African geniuses and support them in achieving their goals.
- Geniuses in this context are both the **reached (via technology) and the unreached genius** across the continent that have mastered the art of doing much with the few resources available



Picture from Breaking Chains: 5 African Genius Inventors You Must Know

OUR PROGRAMS

Through outreach, book support, and other promising media, GiA aims to reach geniuses across the continent.

GiA proposes to develop an effective outreach and communication strategy for geniuses in Africa to channel them toward education and training, keep them away from bad influences and misinformation and support their societal growth.



OUTREACH

- Book Support to Schools in Rural Areas
- Three weeks Outreach to rural areas in Africa



GI A PEER ASSISTED LEARNING

- GiA Peer Assisted Physics Learning
 - GiA Peer Assisted Mathematics Learning
- Virtual and In-person



WORKING PRINCIPLE CHALLENGE

Poster Presentation on the working principle of any electronic device of choice.

GIA OUTREACH TO RURAL AREAS STRATEGY



Games Week

- Interactive games and activities to promote teamwork and problem-solving skills.
- Movie night for the community.



Science/Vocation Week

Workshops and training sessions on various science experiments, writing, arts, and vocations,



Career/Excursion Week

- Talks and mentoring sessions with professionals and motivational speakers,
- Excursion to tertiary institutions in neighboring cities.

GiA Book Support

First Edition 2023 - Apeiwosika village (Ghana)

Organized by Mrs Rosemary Adorm-Takyi

Objective:

To provide essential educational resources to students in rural high schools, enhancing their learning experience and academic performance.

Expected Outcomes:

- Improved access to educational materials for students
- Enhanced academic performance and engagement
- Strengthened relationships between GiA and local schools

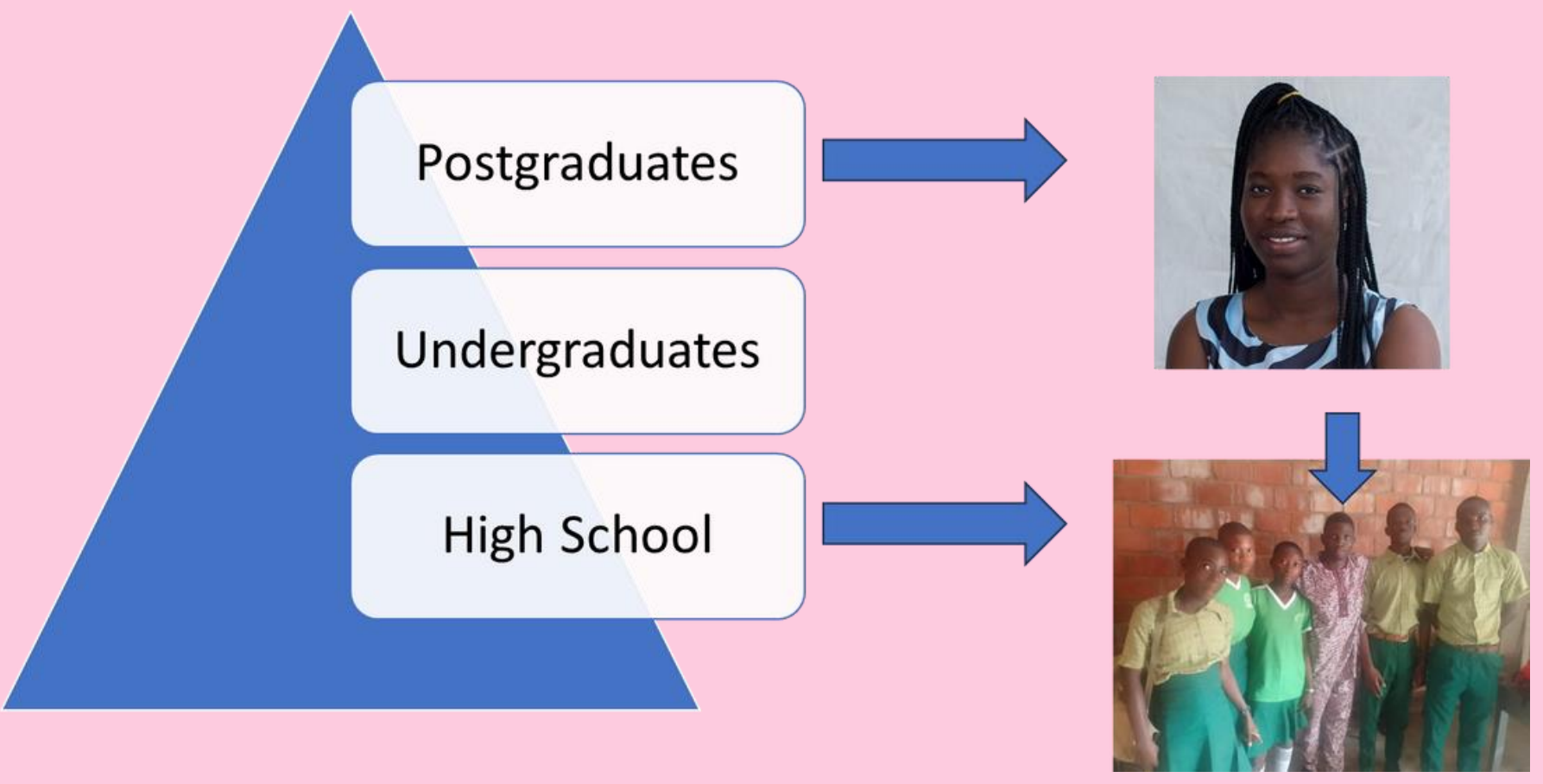


GiA Peer Assisted Learning

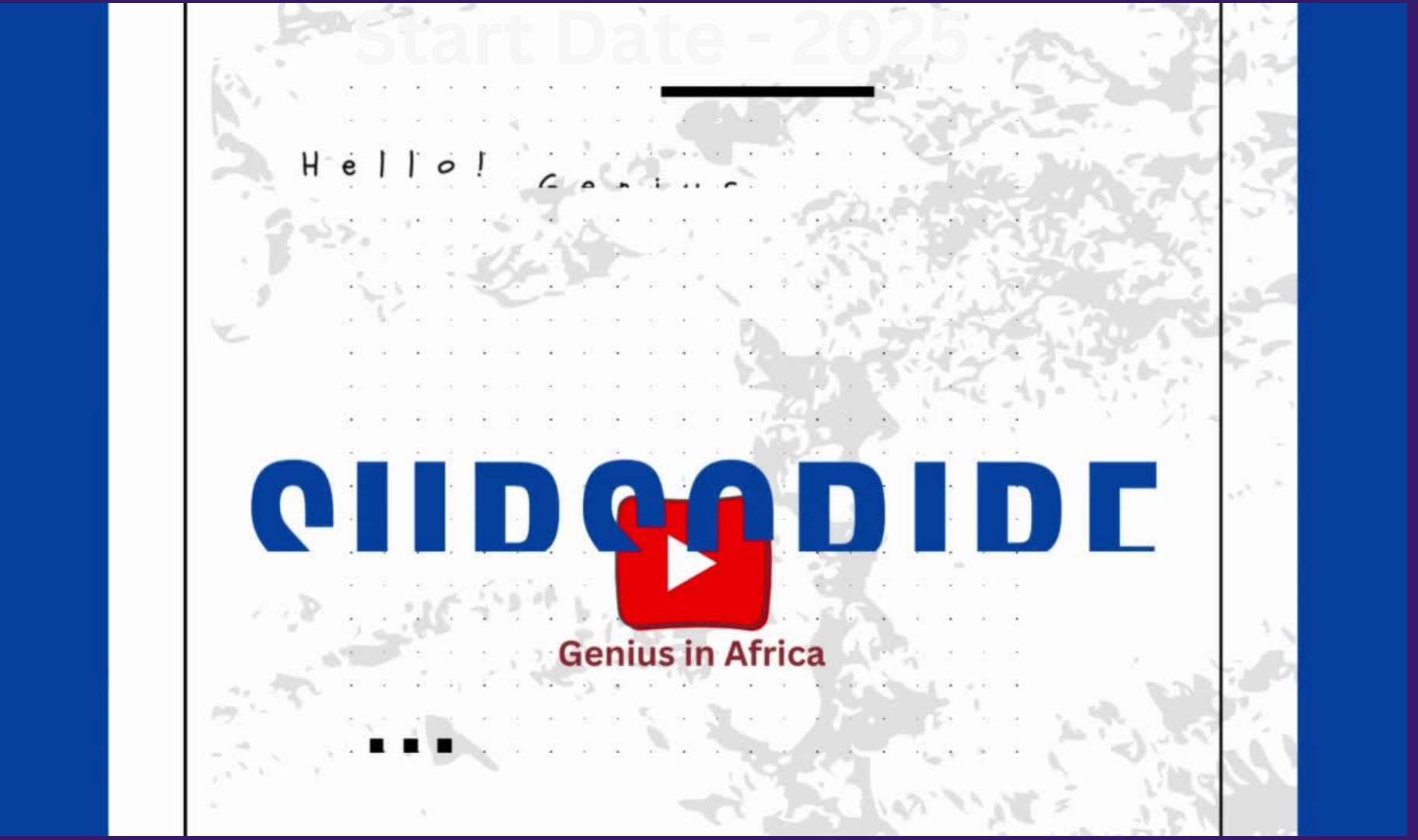
Submitted to Physics Education Working Group, ASFAP

Peer Assisted Physics Learning

TL Oyeshina Model School, Ibadan, Nigeria



Peer Assisted Mathematics Learning



Working Principle Challenge



The poster features the Genius in Africa logo and the African School of Fundamental Physics and Applications logo at the top. The main title is 'Working Principle Challenge 3.0' in a cursive font, followed by 'STAND A CHANCE TO WIN \$20' in large, bold, yellow and white text. Below this, it says 'Submit a poster presentation of the working principle of any electronic device of your choice'. There are two white boxes with eligibility and submission details. At the bottom, it says 'DEADLINE FOR SUBMISSION - MAY 31, 2024' and provides contact information: 'www.geniusin africa.org', '@geniusin africa', 'Genius In Africa', and 'geniusin africa@gmail.com'. The background is a blue gradient with a faint image of a group of students.

GENIUS IN AFRICA

African School of Fundamental Physics and Applications

Working Principle Challenge 3.0

STAND A CHANCE TO WIN \$20

Submit a poster presentation of the working principle of any electronic device of your choice

ELIGIBILITY:

- ✓ The participant must be an African
- ✓ High school student
- ✓ First-year undergraduate student

SUBMISSION:

- ✓ Visit <https://geniusin africa.org/wpc>
- ✓ Fill out the form and upload your poster

DEADLINE FOR SUBMISSION - MAY 31, 2024

www.geniusin africa.org @geniusin africa
Genius In Africa geniusin africa@gmail.com

Objective:

This challenge aims to create curiosity for knowledge in African teenagers. We use so many electronic devices in our day-to-day activities and are only concerned about learning how to use them rather than how they work. This challenge is designed to encourage African geniuses to search for this knowledge and creatively present it as a poster presentation.

Awards: 25 winners will be selected and awarded \$20 each

Expected Outcomes:

- Increased interest in electronics and engineering among students
- Enhanced understanding of research and practical applications of electronic principles
- Financial support for students.

WPC 1.0

13 Students

Nigeria
Kenya,
Cameroon

WPC 2.0.

10 Students

Nigeria
Kenya
Cameroon

WPC 3.0.

57 Students

Nigeria
Kenya
Uganda
Tanzania
Mozambique
Rwanda

Comments from Participants

I personally found the entire research journey quite interesting, and insightful. I actually didn't know that much about laptops. Now I could write a 2 paged essay of their functioning. I'm grateful for this experience.

Thank you for this opportunity. I am an apprentice in a hair dresser's shop using a hair dryer all the time. I now understand how it works.
.....
This is the first time I will get a prize in my life. I am a GENIUS

Partner with us

1. Volunteer

2. Contributions

3. Word of Mouth/Communications

4. follow us on social media

Instagram - @geniusinafrica

Facebook - Genius in Africa

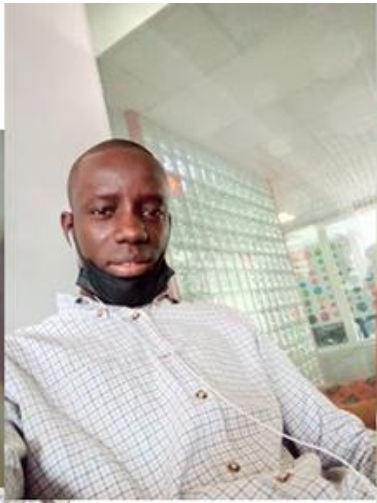


Genius in Africa



*A platform that showcases the geniuses
in Africa and their unique abilities to the world.*





GiA TEAM





Genius in Africa



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Thank you!

