

THE  
**AFRICAN PHYSICS**  
NEWSLETTER



**Iyabo Usman (Southern Africa Editor)**

**School of Physics, University of the Witwatersrand, Johannesburg.**

# AFRICAN PHYSICS NEWSLETTER (APN)

THE VOICE OF PHYSICS IN AFRICA

A MEDIUM FOR COMMUNICATION  
NETWORKING IN AFRICA

54 countries ...  
Physicists across the  
continent



# Outline

- Introduce the African Physics Newsletter (APN)
- Give examples of the types of articles it has been publishing
- Encourage you to subscribe and contribute articles about your physics activities
- Ways to subscribe and contribute articles.



# Introduction to the APN

- Survey of African physics
  - the African Physics Project:
    - Collaboration APS, IoP, EPS, SAIP and ICTP
    - A significant finding:
      - Need for physicists to communicate across the African continent
- APN's goal
  - bridge communication gaps between African physicists in a country,
  - among countries and
  - between the continent and its outside.
- 2019 : Publication started
- The newsletter is created by and for the African physics community.



# Introduction to the APN

- Working Model:
  - *Each quarter*
  - *news articles*
    - *solicited by or submitted through...*
    - *all-volunteer Editorial Board of African physicists*
    - *collected and delivered to the APS.*
      - Each issue has 8-12 two-page articles, a newsletter not a journal
  - *APS volunteers review, format, and distribute them.*
    - The APS plays no role in the solicitation or identification of the articles published.



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- Distribution:
  - *Subscribers*
    - Subscriptions are **free** and open to anyone, even non-physicists.
  - *Websites: African Physical Society, Ethiopian Physical Society (North American)*
  - *Selections: Newsletter of the APS's Forum on International Physics Education*  
*the AfriSciTech.org webpage*



# Editorial Board

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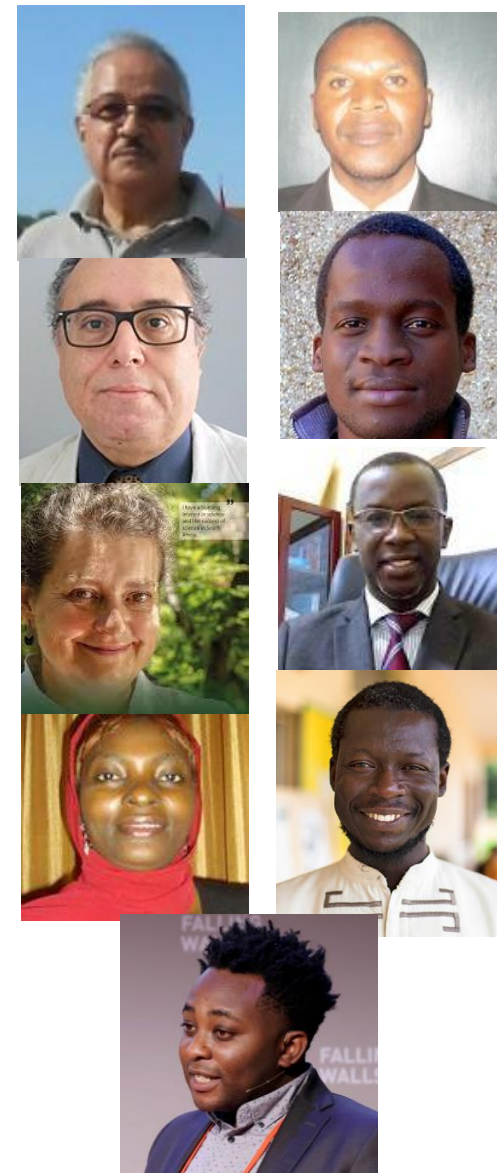
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Prof. Lat Grand Ndiaye ( [lgndiaye@univ-zig.sn](mailto:lgndiaye@univ-zig.sn), U. Assane Seck, Ziguinchor, Sénégal)

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# Communication and Networking

- The APN is a mechanism to communicate with a broad group of physicists in Africa, in the diaspora, and outside of the African physics community.
- The selected highlights are examples of the spectrum of communications that occur within any physics community.
  - While activities and countries are diverse and disperse, the newsletter is showing that Africa has a **vibrant physics community!***
    - The whole is greater than the sum of its parts!



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    - The whole is greater than the sum of its parts!
- Specific opportunities for the ASP community include posting
  - Calls for applications*
  - Announcements of upcoming Alumni events,*
  - Networking and funding opportunities*



# Highlights from Past Issues

- Twenty-five Years of Laser at Cairo University
- Special focus: Medical Physics in Africa
- Special Focus: Quantum Computing and Information
- Science Camp for High School Girls in Tanzania
- Excellence in Africa: 100 PhDs for Africa Program with The Swiss Federal Institute of Technology (EPFL).

<https://www.epfl.ch/research/domains/exaf/>

- The Physics Association of Botswana



3D-HDR GammaMed iX Plus Brachytherapy with GE-Brivo Ultrasound device. ]  
Dr. Maika Takita in the Thomas J. Watson Research Center IBM Quantum Lab.  
*Science camp for high school girls in Tanzania*

# Highlights from Past Issues



■ Building Quantum Skills and Community in Africa

■ University of Tunis El Manar Launches a Master's in Nanophysics and Nanotechnology

■ Interview: Dr. Solomon Assefa, Vice President, IBM Research -Africa & Emerging Market Solutions

■ African Strategy for Fundamental and Applied Physics (ASFAP)

■ The Alumni of the African School of Fundamental Physics and Applications (ASP)



Zara Randriamanakoto and radio telescope of Arivonimamo in Madagascar

# Highlights from Past Issues

■ "QPythonist" Students Learn Computational Science and Engineering through Android Smartphones

■ The Dawn of Physics Community- Kenya (PC-K) Group

■ The International Centre for Theoretical Physics (ICTP) opens the first African partner institution in University of Rwanda, Kigali

■ Women in Science in Africa; A Silent Revolution

■ The Physics Department at the Federal University of Agriculture, Abeokuta, Nigeria



# How and Where:

## ■ How to subscribe?

– Go to

<https://go.aps.org/africanphysics>

– The next issue will be in March 2023.

– Past issues are accessible by clicking a tab in the top left corner of any issue.

– Latest issue

[https://mailchi.mp/f3e90202da1f/african-physics-newsletter\\_120921-15543738?e=818773bdde](https://mailchi.mp/f3e90202da1f/african-physics-newsletter_120921-15543738?e=818773bdde)

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## ■ How to contribute news articles?

– Whether a subscriber or not,

– Email Prof. Stéphane Kenmoe  
Universität Duisburg-Essen, Essen, Germany)  
[stphnknm@gmail.com](mailto:stphnknm@gmail.com),

– Or follow the instructions given in the newsletter.

■ Length ~2 pages, plus links, & a graphic or two

■ Template available

