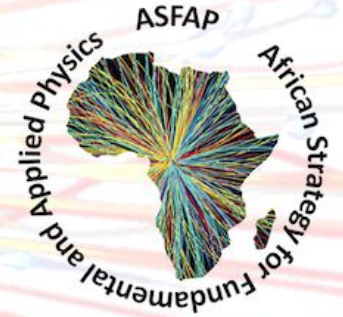


African Strategy for Fundamental and Applied Physics



ASFAP—Young Physicists Forum

An overview

June, 9th – 2021

www.africanphysicsstrategy.org/

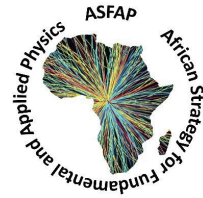
For the audience:

- Please use the raise hand function or chatbox to ask questions or comment
 - There is 25 minutes of open time at the end for more freeform discussion
- Be empathetic, Share the space
 - Code of Conduct: [ASFAP < Code of Conduct](#)
 - Guidelines for Working Groups: [Guidelines for Working Groups](#)

The agenda:

- **Introduction** (15:00-15:05 UTC)
- **African Strategy for Fundamental and Applied Physics (ASFAP)** (15:05-15:15 UTC)
- **ASFAP—Young Physicists Forum** (15:15-15:30 UTC)
- **Q&A** (15:30-15:55 UTC)
- **Closing** (15:55-16:00 UTC)

What is ASFAP?



The African Strategy for Fundamental and Applied Physics

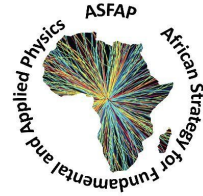
ASFAP is a scientific study. It provides an opportunity for the entire *Fundamental* and *Applied Physics* community to come together to identify and document a scientific vision for the future of Fundamental and Applied Physics in Africa.

www.africanphysicsstrategy.org/



- *16 Physics Working Groups*
- *6 Engagement Committees and Fora*

The ASFAP initiative is co-founded by the Pan African and African Diaspora physicists



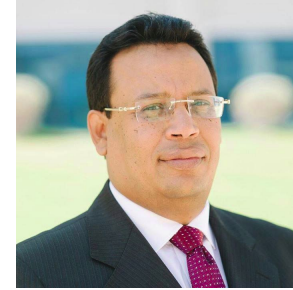
Dr. Kétévi Assamagan
Brookhaven National
laboratory, USA



Prof. Simon Connell
University of Johannesburg,
South Africa



Prof. Farida Fassi
University of Mohammed V
in Rabat, Morocco



Prof. Shaaban Khalil
Center for Fundamental
Physics, Zewail City, Egypt



Dr. Fairouz Malek
CNRS and Grenoble
University, France

Steering Committee: ASFAP-SteeringCommittee@cern.ch

[Proposal and Founding Document:](#) [AfricanStrategy/AfFoundingDocument](#)

ASFAP: Vision



- **Develop a Strategy to foster the growth of research in Physical Science;**
- **Especially in support of excellence and conduct research at the highest international standards;**
- **Develop high-level scientific programs engaging African scientists;**
- **Promote Science as a Fundamental Force for African Social progress;**
- **Provide an international forum of scientific contact for scientists from all countries in the Strategy development to improve collaborations;**
- **Notify African Policymakers, International Partners, Sponsors on the foreseeable Strategic directions to impact African development;**

ASFAP Launch and Cycle

- **ASFAP's process will last few years to end up releasing the Final Report**
 - Report will suggest the direction -with actionable items for the next decade
 - Strategy will be repeated periodically, every **7-10 years** for the following decades with a review of the impact from previous strategy

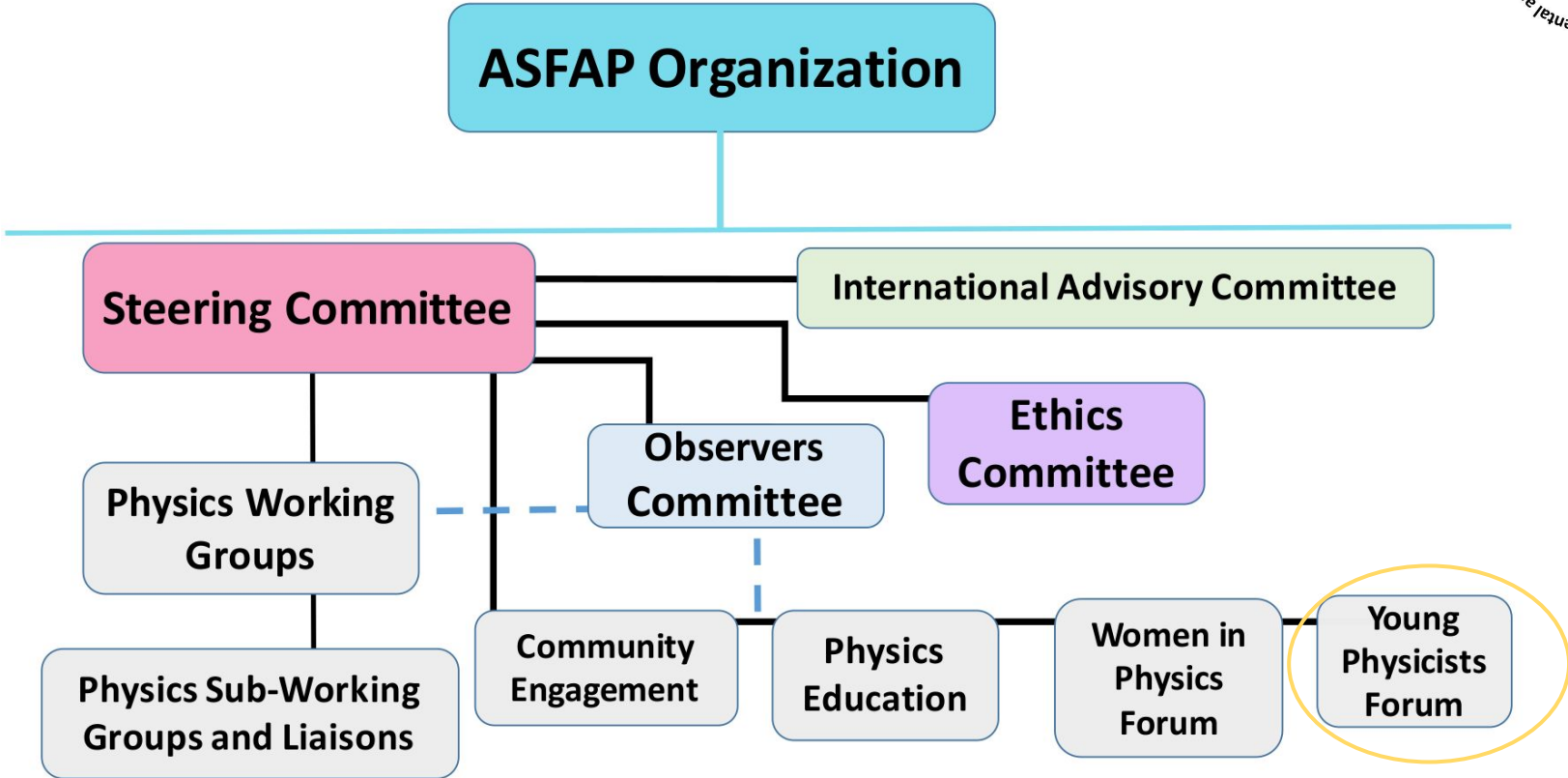
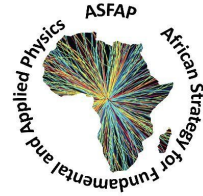
- **ASFAP was launched during the Online workshop organized jointly by *the African Physical Society* and the *African Light Source* in November 2020**

- **ASFAP was presented at the General Assembly of *the African Academy of Sciences* in Dec. 2020 And at the Plenary meeting of *the European Committee for Future Accelerators (ECFA)***

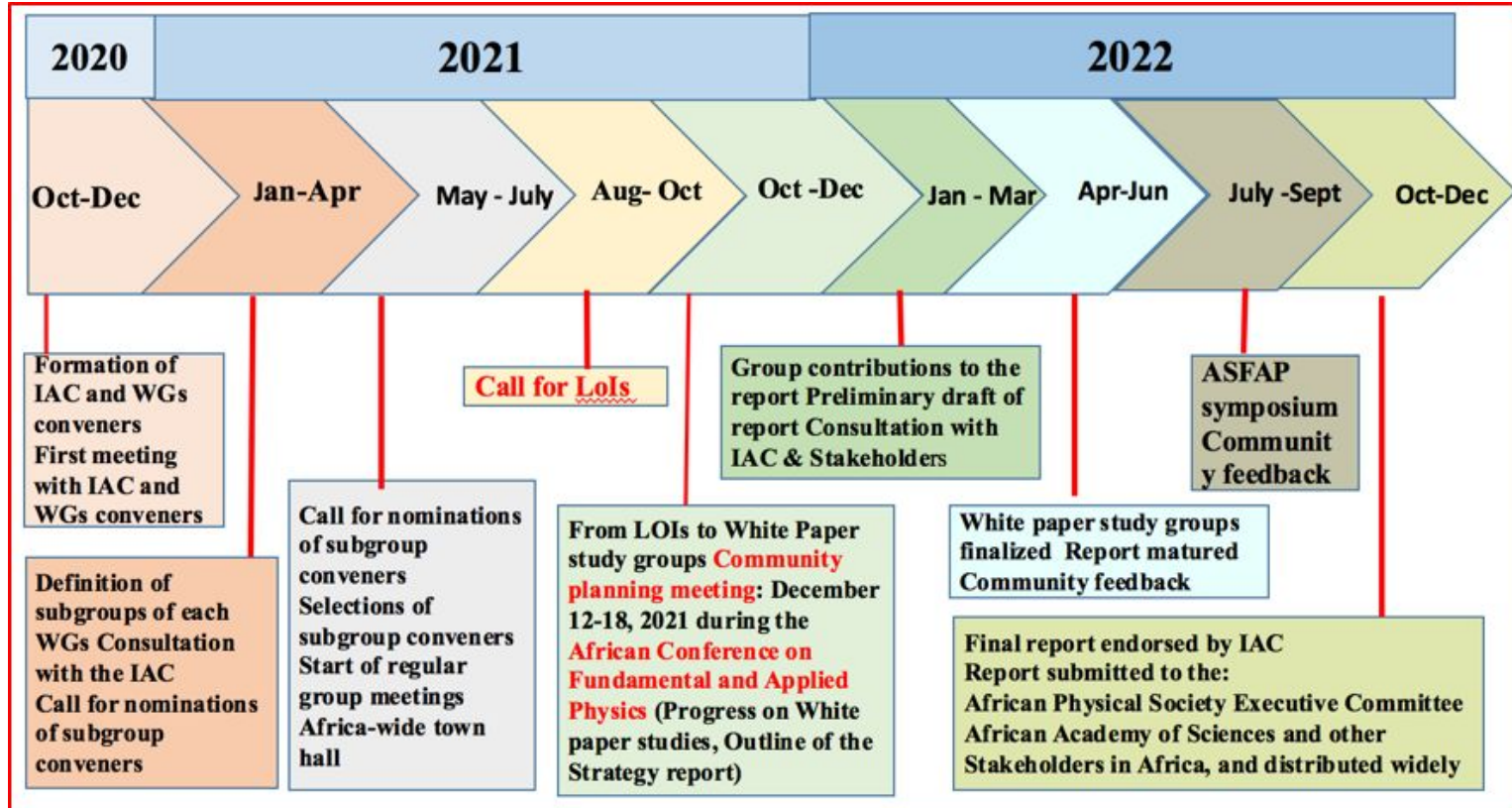
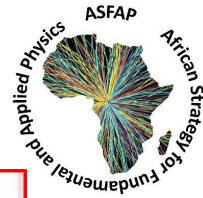


Our Aspiration is to set up the foundation and framework to draw the participation of African Physicists in defining Education and Physics Priorities most impactful for Africa.

ASFAP Organization



ASFAP Timeline

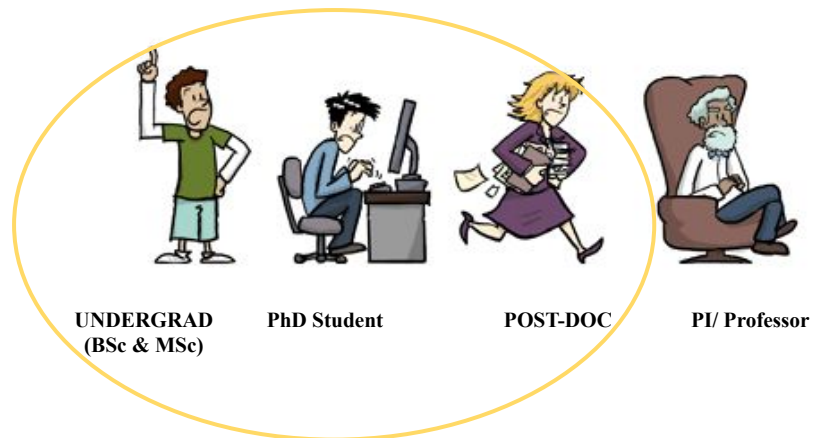


Young Physicists Forum (YPF) at a glance

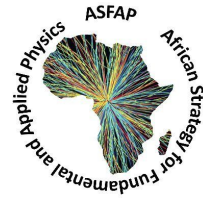
The **Young Physicists' Forum (YPF)** will be an opportunity for Young African Members of the Fundamental and Applied Physics community to gather, study and debate major issues which face the field over the next decade.

Discussions will be organized around three major topics: **outreach and education**, **impact of globalization**, and finally **building a robust and balanced field**.

- ✓ **Encourage** leadership in young researchers in physics
- ✓ **Foster** physics among local communities and institutions
- ✓ **Connect** young scientists in Africa

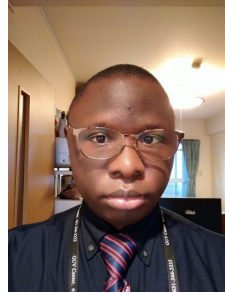


ASFAP-YPF Conveners



Dr. Amani M. Ebrahim
SLAC
USA

Light Sources and their applications



Dr. Benard Mulilo
University of Zambia
Zambia

Nuclear and High Energy Physics



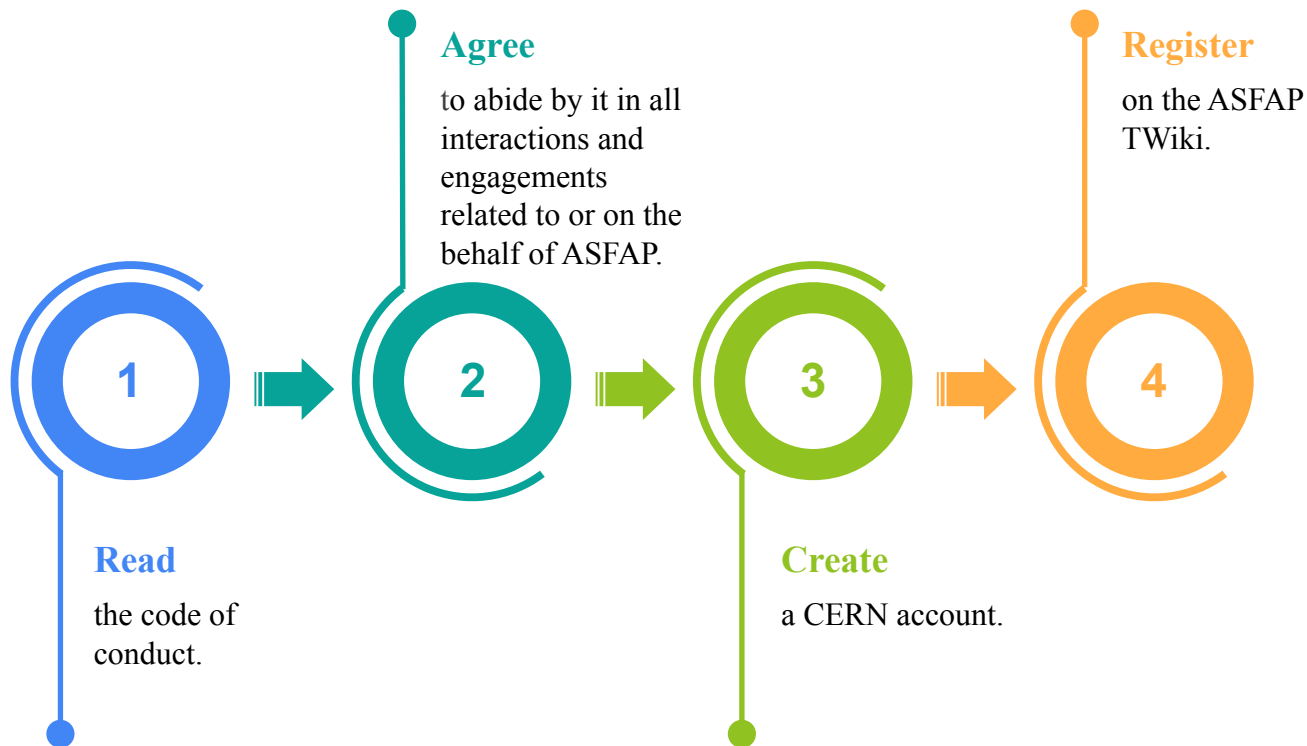
Dr. Diallo Boye
Brookhaven National laboratory
USA
Particle Physics



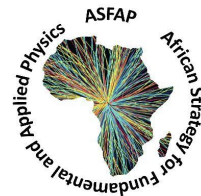
Dr. Mounia Laassiri
Mohammed V University
Morocco
Energy and Nuclear Physics

Young Physicists Forum: ASFAP-YoungPhysicists@cern.ch

How to become a YPF member



The instructions for registration as a member are available at: [AfYoungPhysicists < AfricanStrategy < TWiki \(cern.ch\)](https://afyoungphysicists.africanstrategy.cern.ch)



Benefits of joining the YPF

OUTREACH

Increase the awareness for the importance of scientific research amongst the young African Students.

PROFESSIONAL DEVELOPMENT

Acquire new skills and knowledge both for professional and career advancement.

NETWORKING

Bring together the community to design ways to enhance the young scholars in Africa.

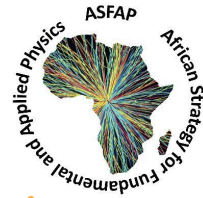
We can take each problem and tackle them to the best of our ability; this can be done via a communication, a letter or a video conference.

YPF— Topics of interest



- Give information on the actual difficulties and how to go about them, in terms of **applying for funds, scholarships, graduate school navigation**;
- Bring together the community **to design ways to enhance the young scholars in Africa**;
- Introduce Young African Physicists to **exciting research opportunities**;
- **Encouraging a dialogue** between young graduates, enterprise and academic research institutions to close the gap between industry and academia.
- **mentor/mentee relations**;
- **Brain drain** and how to counter it;
- **How to make Africa attractive** for Young African Physicists;
- How can young researchers **drive change**?
- ...

Logistics



Website, Twiki pages for working groups, repository, mailing lists, discussion forums, meeting Agendas and workshops...

www.africanphysicsstrategy.org/



Twiki
Twiki Page

DOCUMENTS
Founding Document
Strategy Report

SUPPORTS
Endorsement
Financial & In-kind

ORGANIZATION
Steering Committee
Advisory Committee
Group Conveners

PHYSICS GROUPS

MISSION

MISSION ORGANIZATION TIMELINE SUPPORT TWIKI SITE WG DOCUMENTS NEWS PUBLICATIONS

FOLLOW US ON SOCIAL MEDIA

Jump Search
 AfricanStrategy All webs

INTRC
MouniaLaassiriExternal
Log Out
AfricanStrategy

DOCUMENTS
Founding Document
Strategy Report
WG Guidelines

SUPPORTS
Endorsement
Financial & In-kind

ORGANIZATION
Steering Committee
Advisory Committee
Group Conveners

Twiki intervention Wed 2-June 18:00 - 20:00. There will be interruptions during this time.

Twiki > AfricanStrategy Web > WebLeftBar > WebHome (2021-04-23, GopolangMohlabengExternal)

AFRICAN STRATEGY FOR FUNDAMENTAL AND APPLIED PHYSICS (ASFAP)

Scientific and technological achievements have become commonplace. As remarkable as these achievements are for other regions of the world, enormous challenges and opportunities remain to be addressed in Africa. Although vital for development, Africa's science, innovation, education and research infrastructure, particularly in fields such as Fundamental and Applied Physics, has been over the years under-valued and under-resourced. The vision is that Africa should take its equal place as a co-leader in the global scientific process, along with all the social-economic benefits thereto. The necessity of initiating ASFAP has become essential for Africa, hence our ambition and motivation to jump-start this process.

[The ASFAP website](http://www.africanphysicsstrategy.org/)

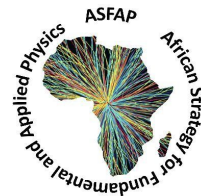
<https://twiki.cern.ch/twiki/bin/view/AfricanStrategy/>

www.africanphysicsstrategy.org/

FORUM MEMBERS

NAME	AFFILIATION	EMAIL	Gender	African origin/Diaspora
Dr. Chilufya Mwewa	Brookhaven National Laboratory	chilufya.mwewa[at]cern.ch	F	Zambia
Dr. Rufai Odotayo Raji	NASA	odotayoraji.rufai[at]nasa.gov	M	Nigeria
Dr. Gopolang Mohlabeng	Queen's University	gopolang.mohlabeng[at]queensu.ca	M	South Africa
Dr. Salah-Eddine Dahbi	Wits University	salah-eddine.dahbi[at]wits.ac.za	M	Morocco

Contacts



ASFAP-YoungPhysicists@cern.ch

ASFAP



[@StrategyAsfap](https://twitter.com/StrategyAsfap)



www.africanphysicsstrategy.org/



<https://twiki.cern.ch/twiki/bin/view/AfricanStrategy/>

