



Second African Conference on Fundamental and Applied Physics ACP2021

Contribution ID: 51

Type: **Invited Talk**

Condensed Matter and Materials Physics Capacity building and Research for African Development

Wednesday, March 9, 2022 12:25 PM (25 minutes)

Africa has abundant materials that have not been fully utilized to make a significant impact on the development of the continent. Given that Condensed Matter and Materials Physics deals with properties of matter at ordinary chemical and thermal energy scales, it has the largest number of direct practical applications. Condensed Matter and Materials Physics has played a key role in the technological advances that have changed our lives so dramatically in the last 50 years as evidenced by many associated discoveries ranging from the integrated circuit, magnetic recording disks to high performance composite materials. Consequently, Condensed matter and Materials Physics is seen as the key to unlocking the potential that the abundant materials in Africa have for continental development.

The presentation will give an overview of the status of education, capacity building and research in Condensed Matter and Materials Physics on the African continent. It will also show initiatives in place and proposed way forward to improve the status.

Abstract Category

Presenter: CHIGOME, Samuel (Botswana Institute for Technology Research and Innovation)

Session Classification: Physics Plenary (4)