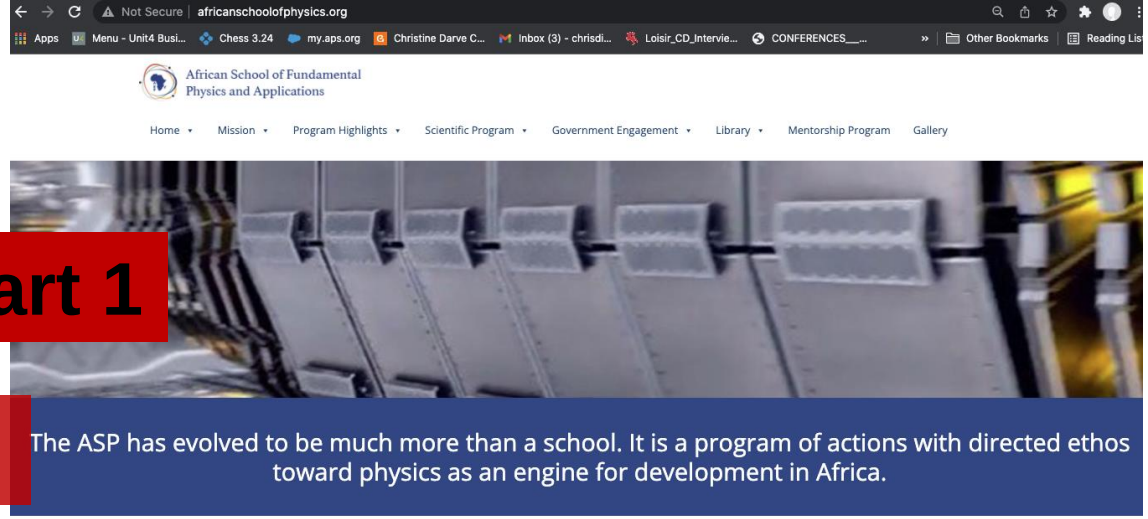
ASP Forum: Part 1

Welcome address

Christine Darve



ACP2021

ACP2021 and ASP2021

ASP2021 School Program and Recordings

The 6th biennial African School of Physics has been held online on July 19-30, 2021. The ACP2021 is planned as a Virtual Event on March 7-11, 2022.

Online Lectures

Library of Recorded Lectures

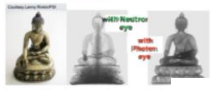
The online lecture series is a weekly seminar or colloquium to supplement the ASP term schools. It is organized continuously even when there is no term school. Experts are invited or volunteer to lecture on any topics in the areas of concentration of ASP students and alumni.

Information and recordings available **(here)**

Photons and *Neutrons* in the quest to solve societal challenges

ASP Study of COVID-19 Data from African Countries

ASP alumni have done a study to model COVID-19 data of various African Countries. The results are reported in two papers posted on arXiv, **arXiv:2007.10927** and **arXiv:2104.09675**.



PROJECT

IYBSSD2022

International Year of Basic Sciences for Sustainable Development

14:00 → 15:45 **ASP Forum: Part 1**

Convener: Mohamed Chabab (Cadi Ayyad University (MA))

14:00 **Welcome address** 10m

Speaker: Christine Darve (European Spallation Source, Sweden)

14:10 **The African School of Fundamental Physics and Applications (ASP)** 25m

The African School of Fundamental Physics and Applications (ASP) is a biennial school in Africa. It is based on the observation that fundamental physics provides excellent motivation for students of science. The aim of the school is to build capacity to harvest, interpret, and exploit the results of current and future physics experiments and to increase proficiency in related applications. The participating students are selected from all over Africa. The school also offers a workshop to train high school teachers, an outreach to motivate high school pupils and a physics conference to support a broader participation of African research faculties. ASP was started in 2010, but has since evolved to be much more than a school—it has grown to become a program of continuous activities with directed ethos towards physics as an engine for development in Africa. In this talk, we will present the school and discuss strategies to make it sustainable.

Speaker: Kétévi Adiklè Assamagan (Brookhaven National Laboratory (US))

14:40 **ASP2022 — South Africa** 25m

By September 30, 2019, South Africa was among four African countries that have submitted proposals to the International Organizing Committee(IOC) of the African School of Fundamental Physics and Applications (ASP) to host ASP2022. After reviewing all the proposals, the IOC in December of 2019 unanimously selected the bid from South Africa with the main aim of boosting capacity in smaller universities and in rural regions. The venue for ASP2022 in South Africa will be the Nelson Mandela University in Gqeberha (formerly Port Elizabeth) in the Eastern Cape Province.

This presentation will highlight the journey since the announcement, the host, supporting activities, and the current status regarding ASP2022 logistics & preparations.

Speaker: Azwinndini Muronga (Nelson Mandela University, South Africa)

15:10 **ASP Discussion** 25m

15:40 **Vote of Thanks** 5m

Speaker: Mohamed Chabab (Cadi Ayyad University (MA))