COMMONWEALTH *of* LEARNING

PhET INTERACTIVE SIMULATIONS

— WEBINAR —

# Building Teachers' Capacity to Teach STEM with PhET Simulations in Africa:
## EXPERIENCE OF THE UNIVERSITY OF ABUJA, NIGERIA

## Overview

STEM (Science, Technology, Engineering, and Mathematics) education is widely recognised as a key driver of national sustainable development and innovative socioeconomic transformation. Information and Communication Technology (ICT) is also seen as a vital tool for advancing this development. This global emphasis on STEM and ICT is reflected in the national priorities of most African countries. In line with these priorities, the Commonwealth of Learning and the University of Abuja have been collaborating to enhance learning outcomes in STEM education both in Africa and beyond.

## Objective

This webinar introduces participants to the University of Abuja's experience in building the capacity of STEM teachers and educators, highlighting the effectiveness of using Physics Education Technology simulations and Massive Open Online Courses (MOOCs).

## Date & Time:

**Wednesday 19 June 2024**
4:00 PM (GMT)
9:00 AM (PDT)

## To register:

https://bit.ly/PhETAfricaWebinar

## Panellists

**Dr Evode Mukama**, Adviser in Teacher Education at the Commonwealth of Learning, Burnaby, Canada. Enhances government and institutional effectiveness in teacher education through Open Distance Learning. Dr Mukama holds a PhD in ICT in Teacher Education from Linköping University, Sweden, a MEd in Curriculum Studies from the University of Natal, South Africa and a BEd from the National University of Rwanda.

**Professor Hauwa Imam**, PhD, is the Director of the Institute of Education at the University of Abuja. Leads the development of Teaching Science with Technology MOOC. A versatile researcher, administrator, and educator, she is an ardent promoter of blended learning, integrating online technology into teaching and learning. Professor Imam has more than 40 years of diverse experience in teaching and administration.

**Professor Olumide Owolabi**, PhD, a seasoned Professor of Computer Science & Technology, brings over 30 years of teaching experience. Specialising in databases, intelligent systems, machine learning, and data mining, he directs the Centre of Competence in Digital Education at the University of Abuja, contributing to innovative educational systems and engaging in professional development initiatives.