

Abstract Submitted
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The Rainbow School of Fundamental Physics and its Applications CHRISTINE DARVE, Fermi National Accelerator Laboratory, BOBBY S. ACHARYA, ICTP, Trieste, IT, KETevi A. ASSAMAGAN, Brookhaven National Laboratory, JONATHAN R. ELLIS, CERN and King's College, London UK, STEVE MUANZA, CNRS-IN2P3, Marseille, FR, AFRICAN SCHOOL OF FUNDAMENTAL PHYSICS AND ITS APPLICATIONS TEAM — We have established a biennial school of physics in Africa, on fundamental subatomic physics and its applications. The “raison d’être” of the school is to build capacity to harvest, interpret, and exploit the results of current and future physics experiments with particle accelerators, and to increase proficiency in related applications. The school is based on a close interplay between theoretical, experimental, and applied physics. The first school took place in Stellenbosch, South Africa on 1-21 August 2010, with the general aim of fostering sciences in Africa. 65 students were selected to participate to this first school edition in the rainbow country. More than 50 of them had travelled from 17 African countries, fully supported financially to attend the intensive, three-week school. This project was supported by 15 different national & international organizations and institutes. We propose the second edition of the biennial school in Ghana in 2012. The inspirational enthusiasm of the students and supporting institutions at ASP2010, give a shining hope that international Programs, Collaborations and Exchanges for the future of fundamental science and technology can be achieved. We will describe the process and the accomplishments of the first school edition, with emphasize on the lessons learned to establish the future editions.

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