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Developing Computational Physics in Nigeria GODFREY AKPOJOTOR, Max Planck Institute for Physics of Complex Systems, Dresden and Delta State University, Abraka, EMMANUEL ENUKPERE, College of Education, Warri, FAMOUS AKPOJOTOR, Federal Government College, Sokoto, SUNNY OJOBOR, Delta State University, Abraka — Computer based instruction is permeating the educational curricula of many countries oweing to the realization that computational physics which involves computer modeling, enhances the teaching/learning process when combined with theory and experiment. For the students, it gives them more insight and understanding in the learning process and thereby equips them with scientific and computing skills to excel in the industrial and commercial environments as well as at the Masters and doctoral levels. And for the teachers, among others benefits, the availability of open access sites on both instructional and evaluation materials can improve their performances. With a growing population of students and new challenges to meet developmental goals, this paper examine the challenges and prospects of current drive to develop Computational physics as a university undergraduate programme or as a choice of specialized modules or laboratories within the mainstream physics programme in Nigeria institutions. In particular, the current effort of the Nigerian Computational Physics Working Group to design computational physics programmes to meet the developmental goals of the country is discussed.

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