

The Growth of High-Performance Computing in Africa

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Abstract—Much of Africa has limited experimental research facilities in many areas of fundamental and applied sciences. There are, however, cases where government support has made a difference in providing both infrastructure and funding to researchers as well as graduate students to carry out experimental work. This article describes continent-wide initiatives to grow computational sciences and high-performance computing work. These programs are expected to produce African researchers and scholars who will drive the materials science research agenda, thereby directly influencing their own economies.

Keywords—Computational Science in Developing Countries; high-performance computing; HPC; Africa; Kenya; South Africa; Ghana

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