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Untapped Potential of Computational Material Science In Kenya

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Computational material science is taking root in Kenya. Development of big data infrastructure, high-performance computing facilities and use of open-source-software will accelerate the growth of this field, develop competent manpower and improve the economy of the country. The role played by major public universities in Kenya such as Masinde Muliro University of Science and Technology, University of Eldoret, Kenyatta University and the University of Nairobi in tackling health, water, and energy-related issues using computational tools requires long-term funding support. The glaring gap in technology transfer from universities to industries in Kenya needs to be addressed in order to harness the full potential of computational material science.

Presenter Biography

George S. Manyali is a lecturer in the Department of Physics at Masinde Muliro University of Science and Technology, Kenya (www.mmust.ac.ke), as well as a member of the Computational Modelling and Materials Sciences (CMMS), a special interest group of Kenya Education Network (KENET). His research interests include computational modeling of materials with a current thematic focus on the thermoelectric materials and nitride-based thin films. George received Ph.D. in physics from the University of the Witwatersrand, Johannesburg. Contact him at georgemanyali@gmail.com or gmanyali@mmust.ac.ke.

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