

Dakar, February 27, 2020.

First Name: Ibrahima Kalil

Name: KANTE

Born: August 2nd 1987

Birthplace: Nzerekore (Guinea)

Position: Ph.D Student

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Motivation letter

Dear Sir,

My name is Ibrahima Kalil KANTE, I am from Republic of Guinea. I am informed about announcements and other things related to research by Met-jobs. By this way, I am writing to apply for ***Summer School on Effective HPC for Climate and Weather is 23-28 August 2020***. After my MSc's degree in Meteorology at the Faculty of Environmental Sciences in University of Nzerekore (Guinea), I opted to carry on further studies leading to a PhD thesis. Therefore, I obtained my Master's degree in Sciences of Meteorology, Oceanography and Management of arid Area at LPAOSF/ESP/UCAD. Afterwards, I started a PhD thesis, in the frame of a collaboration between UCAD and the Gamal Abdel Nasser University of Conakry. My doctoral dissertation is supervised by Prof. Daouda BADIANE and it examined **Characterization of the Atmospheric Boundary Layer (ABL) on Guinea Under of Deep Condition: Focus on Conakry Rainfall**. My thesis main objective is to explain the maximum rainfall observed in Conakry station during a deep convection by estimating the ABL thickness. And then, I have to defend it the end of this year, 2020. During this PhD degree and I made publishing three peer-reviewed (CV). I am passionate about meteorology, atmospheric science, climate and modeling. That is an opportunity for me to apply so that I can improve and develop my level from this summer school. I would be excited to have the opportunity to share and continue to explore knowledge in climate. It maybe can also create collaborate between me and your University for the future.

I have some knowledge on using Weather Research and Forecasting Model (WRF). In the perspectives of my thesis, I am currently working with this model to simulate rainfall's Republic of Guinea. This work is to explain the topographic effect on rainfall in Guinea. I inform you that, I have a very quick adaptation to new research tools and resist the work pressure. I am also ability to develop ideas and work independently. This training will allow me not only to deepen my knowledge on the atmosphere's mechanism and the climate but also to acquire new experiences about numerical simulations.

I would enjoy discussing this position with you during an interview. In the meantime, I am enclosing my curriculum vitae and motivation letter including capacities of research interests. I will also gladly provide any other supporting materials if requested too. Thank you for your consideration, and I look forward to hearing from you soon.

Sincerely,

Ibrahima Kalil KANTE

A handwritten signature in blue ink, featuring a stylized 'IK' monogram followed by a flourish.