

**Rene Tato LOUA**

CB 201, Cite Conseil Général

20 Avenue Hippolyte Foucque, Saint-Denis

Tel: +262 (0) 69 241 15 10

Email: [rene-tato.loua@univ-reunion.fr](mailto:rene-tato.loua@univ-reunion.fr)

*Reunion Island 02/03/2020*

**University of Reading, Whiteknights Campus,  
Reading, UK, RG6 6UR**

Julian Kunkel, [j.m.kunkel@reading.ac.uk](mailto:j.m.kunkel@reading.ac.uk)

Luciana Pedro, [l.r.pedro@reading.ac.uk](mailto:l.r.pedro@reading.ac.uk)

**Subject:** Motivational letter to participate in the Summer School on Effective HPC for Climate and Weather.

Dear M/Ms,

I hereby submit to you my application and express my motivation to participate in the Summer School on Effective HPC for Climate and Weather to be held at the University of Reading, UK, from 23 to 28 august 2020.

I am currently preparing a PhD in the Lab of Atmosphere and Cyclones (LACy), at the University of Reunion Island on the thesis: *Variability and Trends in Meteorological Parameters in Guinea: Analysis of forcings by numerical methods*. Within the framework of my thesis, I published some results of my research in international journals (Loua et al., 2019; Loua et al., 2017) and I am actually writing another one. The defense of my thesis being planned for April 30th, 2020, after my defended my thesis, my primary intent is to generate insight in climate and weather. But I often struggle the technical nature of the tools and environments that enable my computer-aided research: computation, integration, and analysis of relevant data. It is for that purpose I apply for a full Package Registration in order I can participate in this school to be organised by your prestigious institution. Indeed, I am confident that after this school, I will be delighted to be prepared for large scale simulation runs and data processing, of modern concepts such as machine learning, domain-specific languages, containerisation, and analysis of climate/weather.

My participation in the Summer School on Effective HPC for Climate and Weather represents for me a real challenge for the future in which I expect to multiply the gathered information through the capacities strengthening of the meteorological and hydrological services of my country but also by teaching in the universities of my country and of the West African sub-region.

French and English are the two languages that I practice regularly in my research context and my travels. I would like to point out that I have a personal laptop which I expect use during the training. I undertake to attend all the modules of this school and respect all the principles assigned to its good progress.

Thank you for your time and consideration.

Sincerely,



**Rene Tato LOUA**