



May.03, 2024

Dear Professors , Cambridge, United Kingdom

I am writing this cover letter to express my interest to apply for the application position available in the “ **Space Weather Instrument Scientist BAS - British Antarctic Survey Cambridge, United Kingdom**”. **Employer: University of Washington.**

In 2021, I graduated from the Bahir Dar University in doctor of philosophy in atmospheric physics in department of physic and Ms.c in Geodesy in 2014 at Addis Ababa University. Through my years of studying, I became fascinated by the research field in Computational in the atmospheric and geoinformations studies. I had deep experiences on satellite and in-situe data analysis interpretation. I need this duoal-PhD position because of the following reasons, I graduated M.S.c in Geodesy at Addis Ababa university, Ethiopian in 2014 and I have good background skilled in satellite system and ground observation, remote sensing, GIS and Linux operating system. Moreover, I have very excellent skilled in GAMIT-GLOBK, GPS data analysis software. During my Ph.D, I got deep understanding of both theoretical and practical knowledge on atmospheric studies and I got 4.0 of 4.0 (all “A”) score during my pre-Ph.D courses and my Ph.D detestation, I got very good result. I had presented international conference:

I have presented different papers in different EU countries such as:

1. FIG 27 th international conference presentation that held in Helsinki-Finland in 2017 on Evaluation of ongoing urban cadaster practice in Ethiopia:
[http://www.fig.net/resources/proceedings/fig_proceedings/fig2017/papers/iss7b/ISS7B_yehun_reda_et_al_8804 .pdf](http://www.fig.net/resources/proceedings/fig_proceedings/fig2017/papers/iss7b/ISS7B_yehun_reda_et_al_8804.pdf)
2. 2nd Climate Observation Conference (GCOS, EUMESTAT) on 17 – 19 October 2022, Darmstadt, Germany, “Estimation of Precipitable Water Vapour Using Global Positioning System and Radio Occultation over Ethiopian Regions ” .
https://cdn.eventsforce.net/files/efxnn67yq56ylu/website/34/topic1_18_yehun_atmospheric_observations.pdf
3. EUMETSAT Meteorological Satellite Conference 2023, Malmö, Sweden on 11 to 15 September
4. Eighth Sentinel-3 Validation Team Meeting Darmstadt, Germany, 5-7 December 2023

Publisher Artciles and Books:

1. Yehun, A., Kassa, T., Vermeer, M. and Hunegnaw, A., 2020. Higher order ionospheric delay and derivation of regional total electron content over Ethiopian global positioning system stations. Elsevier, Advances in Space Research, <https://doi.org/10.1016/j.asr.2020.04.035>
2. Yehun, A., Kassa, T., Vermeer, M. and Hunegnaw, A., 2021. Estimation of Precipitable Water Vapour Using Global Positioning System and Radio Occultation over Ethiopian Regions. Taylor & Francis, International Journal of Remote Sensing <http://dx.doi.org/10.1080/01431161.2021.1939914>
2. Mekonnen, Daniel & Derby, Awoke & Chanie, Asmamaw & Shumet, Abebe & Biadlegne, Fantahun & Kassahun, Yonas & Bobosha, Kidist & Mihret, Adane & Wassie, Liya & Munshea, Abaineh & Nibret, Endalkachew & Yimer, Solomon Abebe & Tønjum, Tone & Aseffa, Abraham. (2019). Molecular epidemiology of M. tuberculosis in Ethiopia: A systematic review and meta-analysis. Tuberculosis. 118.101858. 10.1016/j.tube.2019.101858.
3. Yehun Asmamaw, Gogie Tsegaye, Erkihun Adisu, Martin Vermeer, “Modelling Atmospheric Parameters Using Ground-Based GPS and Radio Occultation: Estimating the precipitable water vapour using GPS” book, ISBN:978-9994981861, Published: 2022-08-06, Publisher, Eliva Press
4. PhD thesis title: Retrieving Atmospheric Parameters from Ground-Based Global Positioning System and Radio Occultation over Equatorial Regions for Improving Weather Prediction.

I am very talented and young researchers in the area of GNSS and atmospheric studies, I would like to be selected for this position because I think this project gives me the opportunity to develop and improve in a research field that is part of my professional goals. I think this position offers to me the possibility of receiving a complete training in computational and modeling applied to atmospheric systems as well as the opportunity to work in an interdisciplinary environment, of a highly qualified academic level.

I am aware of the dedication and perseverance that is needed to achieve the best results in this field and I believe that my experience will allow me to get it. I think that it is a great opportunity for me to demonstrate my abilities and acquire new skills, so I hope to be selected for this position.

I remain at your disposal for any further information, thanking you in advance for your attention.

Sincerely,

Asmamaw Chanie Yehun (PhD in Atmospheric Physics)

Tel: +4915566400997, +4917626315666 or +4915210510015 Mühlheim am Main, 63165, Lessingsr.78 , Germany , email : chanieasmamaw@yahoo.com

