

Motivation Letter

I am writing this to apply for the participation in Summer School on Effective HPC for Climate and Weather which is to be held during 23-28 August, 2020 at University of Reading, Reading, UK. First, I will briefly introduce myself. Then, I will explain why I want to go for this program and after that I will clarify why I am suitable for this course.

My name is Soumyadip Ganguly, 29 years old and born on August 25, 1990. I have lived in Bankura district of West Bengal, India and finished high school(12th) there in 2009. Then, I decided to pursue Civil Engineering and got selected for a Bachelor of Engineering Degree in Jadavpur University, Kolkata. After finishing my graduation in 2013, I got a job in a residential project in Kolkata as a site engineer for almost one and half years. After that I decided to pursue higher studies and being motivated by the growing importance of climate studies in future, I joined the Master of Technology program in Climate Science and Technology in School of Earth, Ocean and Climate Sciences at Indian Institute of Technology(IIT), Bhubaneswar. After completing my post graduation in 2017, I worked briefly as a researcher in Centre for Atmospheric Sciences at Indian Institute of Technology(IIT), Delhi. Currently I am working as a model analyst in a catastrophe modelling organisation called RMS (Risk Management Solutions).

I am at an early stage of my career as a climate/weather modeling professional and I want to get exposure to technical knowledge related to computation of climate/weather models as I need to execute WRF and WRF-Chem simulations in high resolution(both temporal and spatial) for my research and my work efficiently. That is why this is a dream come true opportunity for me where I will get to learn about HPC environments dedicated to climate/weather studies. Furthermore, learning about post-processing techniques of model output will be rewarding for me. I also wanted to discuss and share experiences with the relevant community to handle the hurdles of computation technicalities effectively. Finally, this will be a wonderful opportunity for me to get my first ever international exposure where I can interact with the scientific community from all over the world.

I got acquainted with HPC environment basics while doing research in IIT, Delhi and while executing high resolution simulation in the current organisation. Though I learned a few basics about the HPC environment to run simulations, they are not enough to overcome the struggle of technicalities. The opportunity to learn from this program is valuable to me. Learning opportunities for modern concepts such as machine learning, analysis of climate/weather data using python etc. which are to be introduced in this program will boost my technical skill hugely. The scope of interacting with the experts and scientists, sharing their experiences will be a big advantage and unforgettable. I believe that my career path certainly matches with the experience I would be getting in this summer school and my will to grow my knowledge and skill through this program makes me a suitable candidate to attend this workshop.

Yours sincerely,
Soumyadip Ganguly
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