Dear Sir/Madam,

With this letter I hereby would like to state my motivation to participate in the "Summer School on Effective HPC for Climate and Weather". The Summer School theme is especially relevant to my professional area, and therefore I would high appreciate to be given an opportunity to attend this Summer School gathering professional from all over the World.

Regional climate models (RCMs) are widely used tools to produce high resolution regional climate simulations. Since I am an early career researcher at CRI (Climatological Research Institute), and currently we work on both dynamical and statistical forecasting of climatic variables, we need to strengthen or knowledge and update it to improve the performance of our predictions. Also, since my base field of study was applied mathematics, it is scientifically important for me to understand and learn the basic concepts of the regional modelling. I believe that the mathematical modeling and mathematical tools can definitely help me to best implement the regional climate models. There are several mathematical concepts that can help us in regional climate modelling. On the other hand, this Summer School provides an excellent opportunity for me to collaborate with other researchers in this field. Scientific collaboration is a primary advantage of participating the Summer School. Finally, since I am a teacher at universities in Iran, I can use the learned concepts form the Summer School in my classrooms and spread the knowledge. Thus, attending the Summer School can definitely help me in the career.

Best Regards

Morteza Pakdaman