

Maximiliano Antonio Sacco
Buenos Aires, Argentina

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Summer School on Effective HPC for Climate and
Weather

March 5, 2020

Dear members of the selection committee.

I am writing to you in order to apply for a travel grant for the Summer School on Effective HPC for Climate and Weather.

I am a PhD student at the Department of Atmospheric and Ocean Sciences of the University of Buenos Aires, and I have a degree in Computer Science. I am currently working on the prediction of uncertainty and the correction of systematic error in weather model forecasts using neural networks.

I also work at the Research and Development Department in the National Meteorological Service performing code development and optimization tasks for the operational implementation of regional forecasting and data assimilation systems. As the only computer scientist in the team, I am the one who spreads good practices of programming and motivates the use of machine learning techniques.

Finally, for the academic group project, I am interested in *Machine Learning, Big Data, Extreme-Scale Computation, Code Development*

Yours faithfully.

Maximiliano A. Sacco