



First of all, I would like to thank the Mineralogical Society to support my attendance at the *AGU Fall Meeting 2007*. I felt very pleased to have the opportunity to present my poster in the largest international gathering of geophysical researchers in the world. But also to represent a community of mineral scientists who seek answers to the major constraints of the Earth's deep interior.

I really enjoyed attending to the meeting because I could learn more about the most recent scientific advances, as well as the most innovative research projects in geophysics, in its widest sense. Furthermore, it provided me an excellent arena in which to present my results and draw the community's attention to my work in mineral physics simulations, which is particularly relevant to seismologists.

My research is focused on the implementation of force field simulations in order to understand structural, elastic and transport properties of mantle-related perovskites, for which extreme conditions are difficult to achieve experimentally. This could provide seismologists with new ideas and more information about the physical properties of these minerals and their influence on the amplitude attenuation of seismic waves when they travel through the lower mantle.

This meeting also allowed me to share different opinions about my project, as well as the opportunity to interact with other researchers in the same field, including the leading players in the mineral physics community.

I also had the chance to get involved in different activities as part of the Education and Careers section, where I could also meet other research students from different universities in the world, as well as other organizations where I could pursue my career interests in geophysics, particularly in rock and mineral physics, in the near future.

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