

Mauro Perego
“Initialization of the thermo-mechanical state of an ice sheet”
10/14/2019

I. Presentation Style

As a caveat, Perego’s talk seemed to cater to the geophysicists in the room. I have no physics background, so I was considerably out of my element. His presentation style was great though. He seemed really knowledgeable about his work. The graphics were quite informative and helped me grasp his message a little clearer.

II. Intellectual Merit

His research seems to have solid intellectual merit. Optimal parameter and hyper-parameter selection is a tricky part of modeling in all fields. His approaches to finding and testing for these values felt rationale to me.

III. Broader Impacts

The broader impacts of his work has important implications for science and well as society in general. With the world is contending with global warming, we need accurate predictive modeling techniques to understand the effect that shrinking ice sheets will have on rising sea levels and temperatures. This will give us the best chance to react properly to these changing conditions and perhaps limit their effects.