

## **Modeling optical systematics for the Simons Observatory Large Aperture Telescope**

*Wednesday, 2 December 2020 17:20 (25 minutes)*

In this talk I will discuss the optical modeling efforts used to inform the design of the Simons Observatory Large Aperture Telescope. I will present some general aspects of this new and exciting telescope design and review expected performance. I will discuss various techniques that we have used in the analysis of this telescope and compare those to similar work for past and current generation experiments. I will conclude by highlighting efforts that can help patch gaps in our current ability to model optical systems for future experiments searching for primordial B-mode polarization.

**Presenter:** Dr GUDMUNDSSON, Jon (Stockholm University)

**Session Classification:** 9. method: analysis 1